Texas State University

2019-2020

Graduate and Undergraduate Catalogs

TEXAS STATE UNIVERSITY®

The rising STAR *of Texas*

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HOME

Welcome to Texas State University.

Located in San Marcos, Texas State's campus climbs up the Balcones escarpment to the Hill Country. It's a setting that is unique among Texas universities, enhanced even further by the beauty of the crystal clear San Marcos River (https://www.flickr.com/photos/txstateu/sets/72157661036133102) and many large oak, (http://www.facilities.txstate.edu/grounds/trees.html) cypress and pecan trees (http://www.facilities.txstate.edu/grounds/trees.html). Some are the largest in the state. Although the metropolitan centers of Austin and San Antonio are nearby, San Marcos has managed to retain the charm of a smaller community. Texas State, with its nearly 39,000 students, still has kept a friendly small campus atmosphere. And it is a place where faculty, staff, and students take the processes of teaching and learning seriously.

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Texas State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, masters, and doctoral degrees. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Texas State University.

Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) accreditation is institutional in nature. Although many programs are accredited by other agencies, SACSCOC accredits the university as a whole, not specific degrees or programs.

For information concerning the Texas State University Catalog, please contact us at mycatalog@txstate.edu.

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UNDERGRADUATE

This catalog is a general information publication only and is not intended to nor does it contain all regulations that relate to undergraduate students. The information in this version of the Undergraduate Catalog is subject to change without notice. Texas State reserves the right to withdraw courses at any time, to change its fees or tuition, calendar, curriculum, degree requirements, graduation procedures, and any other requirements affecting students. Changes will become effective whenever authorities determine and will apply to both prospective students and those already enrolled. The provisions of this catalog do not constitute a contract, expressed or implied, between any applicant, student, faculty member, or staff employee and Texas State University or the Texas State University System. In the event of conflict between the provisions of this catalog and the Texas State University System Rules and Regulations, the latter shall govern. Questions regarding current information should be addressed to the office of the Provost and Vice President for Academic Affairs.

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General Information

As an Emerging Research University, Texas State provides opportunities for discovery and innovation to faculty and students. The university offers bachelor's, master's, specialist, and doctoral degree programs in the colleges of Applied Arts (http://www.txstate.edu/appliedarts), McCoy College of Business Administration (https://www.mccoy.txstate.edu), Education (http://www.education.txstate.edu), Fine Arts and Communication (http://www.finearts.txstate.edu), Health Professions (http://www.health.txstate.edu), Liberal Arts (http://www.txstate.edu/liberalarts), Science and Engineering (http://www.txstate.edu/science), University College (http://www.txstate.edu/ucollege) and The Graduate College (http://www.gradcollege.txstate.edu).

Texas State's main campus is in San Marcos, a growing community of 58,000 people in the southern Austin metropolitan area. Its Round Rock Campus (http://www.rrc.txstate.edu) is located north of Austin. Students there can take upper-level courses leading to several bachelor's degrees and selected complete master's degree and certificate programs.

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Accreditations

The following Council on Higher Education Accreditation (CHEA) and/or U.S. Department of Education (USDE)-recognized accrediting organizations accredit Texas State degree programs.

- ABET - Accreditation Board for Engineering and Technology
- Accreditation Council for Education in Nutrition and Dietetics Academy of Nutrition and Dietetics
- Accrediting Council on Education in Journalism and Mass Communications
- American Council for Construction Education
- American Physical Therapy Association, Commission on Accreditation in Physical Therapy Education
- Commission on Accreditation for Health Informatics and Information Management Education
- Commission on Accreditation for Respiratory Care
- Commission on Accreditation of Athletic Training Education
- Commission on Accreditation of Healthcare Management Education
- Commission on Collegiate Nursing Education
- Council for Accreditation of Counseling and Related Educational Programs
- Council for Interior Design Accreditation
- Council for the Accreditation of Educator Preparation
- Council of the Section of Legal Education and Admissions to the Bar, American Bar Association
- Council on Academic Accreditation in Audiology and Speech-Language Pathology American Speech-Language-Hearing Association
- Council on Social Work Education, Commission on Accreditation
- Joint Review Committee on Education in Radiologic Technology
- National Accrediting Agency for Clinical Laboratory Sciences
- National Association of Schools of Music, Commission on Accreditation
- National Recreation and Park Association, Council on Accreditation of Parks, Recreation, Tourism, and Related Professions
- Network of Schools of Public Policy, Affairs, and Administration Commission on Peer Review and Accreditation

The following organizations not recognized by either the Council on Higher Education Accreditation (CHEA) or the U.S. Department of Education (USDE) accredit or certify other Texas State degree programs.

- AACSB The Association to Advance Collegiate Schools of Business - International
- American Chemical Society
- American Society of Biochemistry and Molecular Biology
- Association of University Programs in Health Administration
- Foundry Education Foundation
- International School Psychology Association
- National Association of School Psychologists
- Teacher Education Accreditation Council
- Texas Certified Public Manager Program

The following Council on Higher Education (CHEA) and/or U.S. Department of Education (USDE) - Recognized accrediting organizations accredit Texas State academic support services.

- American Psychological Association Commission on Accreditation
- Commission on English Language Program Accreditation (CEA)

History of the University

Authorized by the Texas Legislature in 1899, Southwest Texas State Normal School opened its doors in 1903. During the first century, the Legislature retained the regional designation in the name, but as its mission changed it became first Normal College, then successively Teachers College, College and University. These changes reflected the change from a teacher-preparation institution to a regional university. In 2003, the Legislature dropped the regional designation and the institution became Texas State University-San Marcos, and in 2013 the place name was eliminated as Texas State University became an emerging research university within the state.

Though Texas State originally became renowned for preparing public school teachers, today it does far more. Texas State, a major institution of higher education approaching an enrollment of 40,000, currently offers programs not only in the College of Education, but also in the College of Applied Arts, Emmett and Miriam McCoy College of Business Administration, College of Fine Arts and Communication, College of Health Professions, Honors College, College of Liberal Arts, College of Science and Engineering, and University College. University College oversees freshman advising as well as other activities of the freshman year experience in addition to housing students who have not yet chosen a major. The Graduate College provides opportunities for continued intellectual growth through advanced and specialized education that develops leaders in the professions and in research up through the doctoral degree.

As Texas State's student population has grown — from 303 in 1903 to nearly 39,000 in 2017 — the campus, too, has expanded and today Texas State is the fifth largest public university in the state. Overlooking the campus from Chautauqua Hill and serving as a landmark since 1903 is Old Main, a red-gabled Victorian building restored to its original grandeur.

In 1979, after adding a number of classroom buildings and residence halls, Texas State purchased the former San Marcos Baptist Academy adjacent to the original campus. In 1981, South Texas entrepreneur Harry M. Freeman donated a 3,500-acre ranch to Texas State to be held in perpetual trust as the Harold M. Freeman Educational Foundation. The working ranch is used as a laboratory for students in agriculture, animal science, anthropology, biology and a variety of other academic disciplines. In 1990, the university opened the seven-story Albert B. Alkek Library. The building, conveniently located in the center of campus, is named for the noted Texas rancher, oil man and educational philanthropist who died in 1995.

Texas State acquired one of the most unique ecosystems in the world in 1994 when it purchased the former Aquarena Springs resort and theme park. The purchase allowed Texas State to serve as steward of the headwaters of the San Marcos River, preserving and protecting one of the oldest inhabited spots in North America for future generations of Texans.

Now called the Aquarena Center, the 90-acre property is the site of a wide variety of educational and research pursuits. Aquarena Center is home to eight endangered species of plants and animals that exist nowhere else in the world.

In 1998, as the lead institution, Texas State joined forces with other area universities to establish the Round Rock Higher Education Center, now known as the Texas State University Round Rock Campus (RRC). The RRC, located on 101 acres north of Austin, offers upper-division and graduate educational opportunities in Williamson County and Austin.

Texas State's main campus is located in San Marcos, a Hill Country community about halfway between Austin and San Antonio. Its location on the banks of the San Marcos River provides recreational and leisure activities for students throughout the year.

Texas State became part of the Texas State University System in 1911. The System, governed by a nine-member Board of Regents, also includes Lamar University, Lamar Institute of Technology, Lamar State College–Orange, Lamar State College–Port Arthur, Sam Houston State University, Sul Ross State University and Sul Ross University Rio Grande College. The first president of Texas State was Mr. T.G. Harris, who served from 1903 to 1911. He was followed by Dr. C.E. Evans, 1911–1942; Dr. J.G. Flowers, 1942–1964; Dr. James H. McCrocklin, 1964–1969; Dr. Leland E. Derrick, 1969; Dr. Billy Mac Jones, 1969–1973; Mr. Jerome C. Cates, 1973–1974; Dr. Lee H. Smith, 1974–1981; Mr. Robert L. Hardesty, 1981–1988; Dr. Michael L. Abbott, 1988–1989; Dr. Jerome Supple, 1989–2002, and Dr. Denise M. Trauth, 2002–present.

Mission Statement

Texas State University is a doctoral-granting, student-centered institution dedicated to excellence and innovation in teaching, research, including creative expression, and service. The university strives to create new knowledge, to embrace a diversity of people and ideas, to foster cultural and economic development, and to prepare its graduates to participate fully and freely as citizens of Texas, the nation, and the world.

Shared Values

In pursuing our mission, we, the faculty, staff, and students of Texas State University, are guided by a shared collection of values:

- Teaching and learning based on research, student involvement, and the free exchange of ideas in a supportive environment;
- Research and creative activities that encompass the full range of academic disciplines--research with relevance, from the sciences to the arts, from the theoretical to the applied;
- The cultivation of character, integrity, honesty, civility, compassion, fairness, respect, and ethical behavior in all members of our university community;
- A diversity of people and ideas, a spirit of inclusiveness, a global perspective, and a sense of community as essential conditions for campus life;
- A commitment to service and leadership for the public good;
- Responsible stewardship of our resources and environment; and
- Continued reflection and evaluation to ensure that our strengths as a community always benefit those we serve.

Diversity and Inclusion Policy Statement

Texas State believes that freedom of thought, innovation and creativity are fundamental characteristics of a community of scholars. To promote such a learning environment, the university has a special responsibility to seek diversity, to promote inclusion, to instill a global perspective in its students, and to nurture sensitivity, dialogue and mutual respect. Discrimination against or harassment of individuals on the basis of race, color, national origin, religion, sex, sexual orientation, age, disability, veterans' status, gender identity or expression are inconsistent with the purposes of the university.

Students' Rights, Privileges, and Expectations

Texas State is committed to the value of a racial and ethnic diversity and believes that the primary purpose of higher education is to promote learning for all and to stimulate inquiry for truth in an atmosphere of freedom. Accordingly, Texas State encourages students to exercise the rights of citizenship. However, these rights are subject to reasonable limitations necessary for the orderly operation of the university. Texas State expects students to accept their responsibilities as citizens and members of a scholarly community. Paramount among these responsibilities is respect for the rights of others, academic and personal integrity, and adherence to federal, state, and local law as well as university regulations.

The faculty and administration are genuinely concerned with the physical and ethical welfare of students. To that end, Texas State has established rules of conduct and has published these in a Code of Student Conduct and Honor Code. These regulations guide students in achieving personal and academic goals and help the university function in an orderly way. Since students voluntarily associate themselves with Texas State, they should know that these rules are honestly and faithfully enforced. The rules include clear prohibitions against sexual or discrimination and racial harassment.

Texas State has established a grievance procedure for the prompt and equitable resolution of complaints related to illegal discrimination or harassment. Texas State, to the extent not in conflict with federal or state law, prohibits discrimination or harassment on the basis of race, color, national origin, age, sex, religion, disability, veterans' status, sexual orientation, gender identity, or expression. This grievance procedure is described in University Policy and Procedure Statement 04.04.46 (http://www.txstate.edu/effective/UPPS/UPPS-04-04-46.HTML), *Prohibition of Discrimination*. The Texas State University System Sexual Misconduct Policy outlines our policy and procedure related to Title IX (sexual misconduct). Students should follow the procedures for reporting instances of discrimination or harassment.

The administration and faculty encourage students to participate in managing Texas State through its system of advisory councils and committees. Students are invited to serve as voting members on many of these groups, and are expected to contribute actively to their success. Students may submit recommendations for changes in policy, not only through the committee structure, but also through their own student government.

Student Right-to-Know and Campus Security Act

The Student-Right-to-Know and Campus Security Act was enacted in 1990 by federal law. The law requires institutions that receive student aid assistance to prepare and distribute an Annual Security Report (Campus Watch). The Campus Watch for Texas State University at San Marcos and Round Rock campuses includes descriptions of campus crime prevention programs, procedures for reporting crimes and information about the number and frequency of crimes reported to the University Police Department for the last three years. It also provides Texas State's policies for campus security and law enforcement related to sexual offenses, liquor law violations, and controlled substance offenses. In addition to publishing crime statistics, the act requires the institution to provide timely warnings to the campus community of certain crimes reported to the University Police Department or local law enforcement which may be considered a threat to the campus community. The Campus Watch is available on the Texas State website at https://www.police.txstate.edu/public-records/clery-act-and-campus-security.html, in the offices of Undergraduate Admissions, The Graduate College, Human Resources, and the University Police Department.

For a hard copy of the Campus Watch, contact the University Police Department, Nueces Building or to have a hard copy mailed free of charge call 512-245-2890.

Student Data, Privacy, and Communications

Correct Data

All students are responsible for making certain Texas State has correct demographic data. A student's name will appear on official records as it is stated on the application for admission, unless a student has previously attended Texas State under a different name. Changes in name, local and/or permanent address, telephone number, marital status, etc. should be reported immediately to the office of the University Registrar. Texas State is not responsible for loss of correspondence credits due to unreported name changes. Address changes can be submitted at http://www.registrar.txstate.edu/our-services.html.

Family Educational Rights and Privacy Act of 1974 (FERPA)

FERPA protects the privacy of educational records, establishes the right of students to inspect and review their educational records, and provides guidelines for the correction of inaccurate or misleading data. Students also have the right to file complaints with the FERPA Office concerning alleged failures by Texas State to comply with the Act. University policy explains in detail the procedures to be used in complying with the Act. The policy is available at http://www.registrar.txstate.edu/legislative-policies/ferpa.html. The Dean of Students and the University Registrar both presume that each student is independent of his or her parents when dealing with the student's educational records. Procedures for establishing dependency status are available in both offices.

Communications

Most university offices use Texas State email as the official means of communication. Students are expected to set up and read their Texas State email frequently.

Occupational License Notification

As required by the Texas Occupations Code, Section 1, Chapter 53, Sections 53.151 – 53.152, amended in 2017 by House Bill 1508, if you are applying for admission to or currently enrolled in an educational program that may prepare an individual for an initial occupational license as defined under Texas Occupations Code Section 58.001 and/or if you later decide to change to an educational program that prepares you for an initial occupational license as defined under Texas Occupations Code Section 58.001, in accordance with state law, please be advised of the following:

1. An individual who has been convicted of an offense may be ineligible for issuance of an occupational license upon completion of the educational program.
2. Each licensing authority that may issue an occupational license to an individual who completes an educational program must establish guidelines that state the reasons a particular crime is considered to relate to a particular license and any other criterion that affects the decisions of the licensing authority.
3. Local or county licensing authorities may issue additional guidelines related to criminal history. Applicants should contact their respective local or county licensing authority for more details.
4. A person may request a criminal history evaluation letter regarding the personal eligibility for a license issued by a licensing authority under Texas Occupations Code Section 53.102.

Applicants are encouraged to review all applicable eligibility requirements related to the respective occupational license. Questions related to eligibility requirements should be directed to the applicable licensing authority.

A list of the Texas State University degree and certificate programs that prepare a student for an initial occupational license as defined under Texas Occupations Code Section 58.001 is available here. (http://www.txstate.edu/curriculumservices/programs/occupational-license-HB-1508.html)

Abandoned and Unclaimed Personal Property

Abandoned and unclaimed personal property discovered on campus is turned over to the University Police Department (UPD) for safekeeping and standard handling. Property is considered abandoned if it appears that the owner has thrown it away, has voluntarily left it, or has lost it without any intent or expectation to regain it.

Abandoned and unclaimed personal property is held by UPD for a minimum of 120 days from the time the department acquires the property. A reasonable effort will be made to notify the owner and UPD will facilitate the return of unclaimed personal property to the proper owners. If the property is reclaimed during the 120-day period, the university may charge the owner a reasonable storage fee.

If not reclaimed after 120 days, the property will be declared abandoned and, the property may be sold as part of a normal surplus property

sale. For specifics on the handling and processing of abandoned and unclaimed property, please refer to University Policy and Procedure Statement 05.01.20.

Undergraduate Academic Advising

Academic advising is a student-centered, collaborative process that engages students in educational planning to promote academic, personal, and professional development, while considering diverse interests, abilities, and goals. Academic advising is an integral part of teaching and learning at Texas State.

Purpose

Academic advising is an educational process that, by intention and design, facilitates students' understanding of the meaning and purpose of higher education and fosters their intellectual and personal development toward academic success and lifelong learning (National Academic Advising Association, 2004).

At Texas State, academic advising provides students with the opportunity to meet with an advisor for assistance in planning their educational careers, in developing the skills needed for academic success, and in learning how to access the variety of resources and services available to them on the Texas State campus.

Academic advisors at Texas State University adhere to the standards and guidelines published in *CAS Professional Standards for Higher Education* by the Council for the Advancement of Standards in Higher Education (CAS). Their membership in the National Academic Advising Association (NACADA) provides professional guidance in their advising philosophies.

Academic advising is a partnership between a student and an academic advisor to develop meaningful educational goals and plans that are consistent with the student's personal values, interests and abilities. This is a collaborative approach in which the student and the advisor have clear responsibilities for ensuring that the advising partnership is successful.

Professional academic advisors are located in each college and are available to assist students throughout the year. Technological tools such as the Degree Works degree audit system provide additional resources to assist students in defining the path to graduation.

Students may visit http://www.registrar.txstate.edu/resources/degreeworks.html for more information about degree audits and a video tutorial.

Student Responsibilities

Students have clear responsibilities in the advising partnership in order for it to be successful:

- Clarify personal values and goals.
- Provide accurate information regarding interests and abilities.
- Schedule timely, regular appointments with an advisor during each semester.
- Come prepared, bring student ID, and be on time for each appointment.
- Bring questions and materials for discussion, such as a degree audit, degree worksheet, and/or other relevant documents, to your appointment.
- Participate fully in the advising experience - ask questions when an issue is not understood or there is a specific concern.
- Know the requirements of the degree program and make sure the courses needed for graduation are being taken.
- Gather and understand all relevant decision-making information (e.g., deadlines, prerequisites, policies).
- Organize official documents for convenient access.
- Follow through with all advisor recommendations.
- Keep a personal record of progress toward meeting goals.
- Comply with all university and college policies, procedures, and deadlines.
- Adhere to the Texas State Honor Code when interacting with others.

Advisor Responsibilities

Advisors can be expected to:

- Be accessible for advising appointments.
- Provide assistance in understanding the purposes and goals of higher education and its effect on life and personal goals.
- Assist the student with learning decision-making skills and assuming responsibility for educational plans and achievements.
- Encourage and guide the student to define and develop realistic goals.
- Understand and effectively communicate the curriculum, graduation requirements, and university and college policies and procedures.
- Provide information and strategies for using available campus resources and services.
- Encourage and support students as they gain the skills to develop clear and attainable educational plans.
- Accurately document the student's progress toward meeting goals.
- Maintain confidentiality as required by the Family Educational Rights and Privacy Act.

Locate academic advisors and other student resources at http://advising.txstate.edu/.

Using the Undergraduate Catalog

Glossary of Terms

Academic Advising Center

Located in each College, the Academic Advising Center houses most of the undergraduate advisors for that College.

Classification

Academic level based on hours earned: 1–29 freshman, 30–59 sophomore, 60–89 junior, and 90+ senior.

Contact Hours

Clock hours spent each week in the instruction process. Contact hours are not course credit hours. Lecture contact hours are the hours per week students are required to spend in contact with faculty in a lecture setting, e.g., class, conference, seminar, individual instruction, private lesson, thesis or dissertation discussion, or independent study. Laboratory contact hours are the number of hours per week that students are required to spend in contact with faculty in an experiential situation, e.g., laboratory clinical, practicum, internship, or student teaching.

Core Curriculum

Serves as the common foundation for all majors and accounts for about 35 percent of the approximately 120 semester credit hours required for a bachelor's degree. See the Academic Services (http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum) section of the catalog for more detailed information.

Co-requisite

A directive from a School or Department that requires a certain action be taken while enrolled in a certain course. A corequisite may be a course, permission from a faculty member, a specified classification, or additional requirements as determined by the faculty.

Course Description

Summarizes the content of the course. May include repeatability information as well as pre-requisites or co-requisites.

Course Number

Courses listed in this catalog and in the Schedule of Classes follow a four-digit numbering system. The first digit indicates the level of the course: 1-freshman, 2-sophomore, 3-junior, 4-senior, 5- and 6-masters, and 7-doctoral. The second digit indicates the number of semester credit hours. The last two digits usually indicate the sequencing of the course in the curriculum. The letter (A, B, C, etc.) at the end of a course number usually indicates a topics course whose content may vary from semester to semester.

Course Prefix

Letters preceding the course number that indicate the subject of the course. For example, CJ = Criminal Justice; ANTH = Anthropology.

Credit Hour

For purposes of this catalog and in accord with federal regulations, a credit hour is:

- not less than one hour of classroom or direct faculty instruction and a minimum of two hours out of class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time;
- at least an equivalent amount of work as outlined in the item above for other academic activities including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

A semester credit hour is defined by the Texas Higher Education Coordinating Board as a unit of measure of instruction consisting of 60 minutes, of which 50 minutes must be direct instruction over a 15-week period in a semester system. Credit hours must be presented in whole numbers. Academic administrative units are responsible for ensuring that credit hours are awarded only for work that meets this requirement. Students should expect to invest a minimum of two hours of additional work for each hour of classroom or faculty instruction per week. Additional work often includes reading, studying, writing, conducting research, meeting with tutors, and other learning activities.

Degree Audit

An advising report, through *Degree Works software*, that shows students progress towards their degrees. Students can request a degree audit report through the Self Service Banner for the degree program(s) in which they are enrolled or for degree programs in which they are interested. Visit http://www.registrar.txstate.edu/resources/degreeworks.html for more information and a video tutorial or contact an academic advisor.

Degree Plan

Set of Texas State University courses that a student may follow in order to achieve the desired bachelor's degree. The degree plan is a sequence of courses generally recommended for undergraduate students to ensure completion of the degree or certificate program within a four-year time frame.

Free Elective

Course(s) available to students, which are not prescribed, and are selected by students from any undergraduate course in the inventory (unless prerequisite exists).

Grade Point Average (GPA

Texas State uses a four-point system. The GPA is the total number of grade points earned divided by the number of semester hours attempted. Semester grade symbols have the following values: "A" = 4 points; "B" = 3 points; "C" = 2 points; "D" = 1 point; "F" = 0 points. Neither hours nor grades are calculated for "I" (Incomplete), "CR" (Credit), "PR" (Progress), or "W" (Withdraw). "U" (Failure Unearned) and "N" (Failure Never Attended) grades are the same as an "F" and equal 0 points.

Graduate Student

A student who has graduated with a bachelor's degree and is returning to the university to pursue either a master's or doctoral degree.

Graduation with Honors

Students earning a GPA of 3.40-3.59 will graduate *cum laude*; 3.6-3.79 will graduate *magna cum laude*; 3.8-4.0 will graduate *summa cum laude*. To be eligible for graduation with honors a student seeking a baccalaureate degree must have completed a minimum of 54 semester credit hours preceding graduation at Texas State. Graduation in the Honors College is described on p. 47.

Multicultural Course

Course identified in the catalog and schedule of classes that offers students an opportunity to enhance their multicultural competence.

Post Baccalaureate Student

Student who has completed a bachelor's degree and returned to the university to take additional course work that will not count towards a second bachelor's degree.

Prerequisite

A directive from a School or Department that requires a certain action be taken before enrolling in a certain course. A prerequisite may be a course, permission from a faculty member, a specified classification, or additional requirements as determined by the faculty.

Prescribed Elective

Course(s) available to students from an approved or designated list, often seen as advanced or by course prefix.

Probation, Academic

An emphatic warning that the quality of the student's work has not met Texas State's minimum academic standards and that the quality must improve during the probationary semester in order for the student to continue at Texas State. A student will be placed on academic probation at the end of the fall or spring semester in which the Texas State GPA is

less than 2.00. A student will be removed from academic probation at the end of any long semester or summer term if the Texas State GPA is 2.00 or higher.

Second Degree Seeking Student

Student who has completed a bachelor's degree and returned to the university with the intention to take additional course work that will complete a second baccalaureate degree.

SLAC

The Student Learning Assistance Center provides a wide range of academic support programs. Whether students are seeking help with course content, study skills, or test preparation, SLAC provides a walk-in tutoring lab, Supplemental Instruction, campus presentations, and online services.

Suspension, Academic

Imposed on students who fail to raise their GPA higher than a 2.00 at the end of the second probationary semester.

Transcript

Official Texas State transcripts bear the University Seal and the University Registrar's signature. The transcript is an official record of a student's academic course-work.

Transfer Student

Student who has attended another institution of higher education prior to enrollment at Texas State.

TSIP

The Texas Success Initiative program is a legislatively mandated program for certain college freshmen and transfer students, and is located within University College. Additional information about this program and its requirements can be found in the University College section of this catalog.

Undergraduate Student

Student enrolled in course-work with the intent of receiving a bachelor's degree at Texas State.

Writing Intensive

Undergraduate courses for which at least 65 percent of the grade must be based on written exams or assignments, and at least one assignment must be 500 words or more in length. Writing intensive is a designation intended to address the writing policy for undergraduate degree programs.

How to Interpret a Course Entry in the Catalog

Academic courses are located alphabetically by course prefix within the school or department in which they are taught. Within each prefix, the courses are listed numerically beginning with freshman level and proceeding through senior level course-work. Graduate courses may be found in the Graduate Catalog.

Texas State reserves the right to withdraw courses at any time, to change its fees or tuition, calendar, curriculum, degree requirements, graduation procedures, and any other requirements affecting students. Changes will become effective whenever authorities determine and will apply to both prospective students and those already enrolled. Questions regarding current information should be addressed to the office of the Provost and Vice President for Academic Affairs.

Undergraduate Admissions

Richard A. Castro Undergraduate Admissions Center
429 N. Guadalupe Street
www.admissions.txstate.edu (http://www.admissions.txstate.edu)
T: 512-245-2364 F: 512-245-8100

Texas State University offers general admission programs for first-time freshman, transfer and international students, and returning students as well. Admission standards are designed to ensure that admitted students are prepared to meet the academic challenges at Texas State.

Students and their guests are invited to visit campus any day the university is open. Guided tours are conducted through the Alumni and Future Student Welcome Center. Tour reservations can be made by means of our online reservation system (http://www.admissions.txstate.edu/visit/campus-tours.html) or a phone call a few days in advance. Campus tours are available most weekdays throughout the year. Although university offices are closed on weekends, the Welcome Center is open on a limited basis on Saturdays during the fall and spring semesters for Bobcat Days. The Welcome Center is located in the LBJ Student Center 3rd floor. Convenient parking is available at the adjacent Student Center Parking Garage.

Bobcat Days are Texas State University's premier visitation event for prospective students and their families. They take place twice in the fall and the spring on Saturdays. Guests can visit campus to learn more about academic programs, support services, admissions procedures, housing options as well as financial aid and scholarships opportunities. Visit the admission web site for Bobcat Days (http://www.admissions.txstate.edu/visit/bobcat-days.html) dates, a schedule of activities and registration options.

Other visitation opportunities exist. For more information, tour times or to schedule a tour, contact the Welcome Center (http://www.admissions.txstate.edu/visit) at 512.245.8871 or email the Welcome Center welcomecenter@txstate.edu (#@txstate.edu). To schedule time with an admissions counselor, call, email or drop by the admissions office at 512.245.2364 or at admissions@txstate.edu

Priority Dates and Deadlines

Prospective undergraduate students should apply for admission as early as possible. Those still in high school may apply once they have completed six semesters and can provide a high school transcript showing class rank and grades. College transfer students should do so after they have successfully completed 30 hours or more of transfer credit. The application for admission and all supporting documents must be received by the following priority dates or deadlines:

Summer 2020

Student Type	Application Becomes Available on	Submit Application and All Credentials by
Freshman	July 1, 2019	March 1, 2020
International Freshman	July 1, 2019	March 1, 2020
Transfers/ Non-Degree Seeking	July 1, 2019	May 1, 2020
International Transfer	July 1, 2019	May 1, 2020

Returning (Readmit)	July 1, 2019	May 1, 2020
Visiting (Transient)	July 1, 2019	May 1, 2020

Applications received after the Priority Date may be considered on a space-available basis. For more information on pursuing a Second Bachelor's degree, click here (http://www.admissions.txstate.edu/future/admission-categories.html).

Fall 2020

Student Type	Application Becomes Available on	Submit Application and All Credentials by
Freshman	July 1, 2019	March 1, 2020
International Freshman	July 1, 2019	March 1, 2020
Transfer/ Non-Degree Seeking	July 1, 2019	July 15, 2020
International Transfer	July 1, 2019	July 15, 2020
Returning (Readmit)	July 1, 2019	July 15, 2020
Visiting/Non Degree	July 1, 2019	July 15, 2020

Applications received after the Priority Date may be considered on a space-available basis. For more information on pursuing a Second Bachelor's degree, click here.

Spring 2021

Student Type	Application Becomes Available on	Submit Application and All Credentials by
Freshman	February 1, 2020	November 15, 2020
International Freshman	February 1, 2020	November 15, 2020
Transfer/ Non-Degree Seeking	February 1, 2020	November 15, 2020
International Transfer	February 1, 2020	November 15, 2020
Returning (Readmit)	February 1, 2020	November 15, 2020
Visitng/Non Degree	February 1, 2020	November 15, 2020

Applications received after the Priority Date will be considered on a space-available basis. For information on pursuing a Second Bachelor's degree click here (http://www.admissions.txstate.edu/future/admission-categories.html).

Freshman Admission

State of Texas Uniform Admission Standards

Per state law, TEC 51.803-51.809, Uniform Admissions Policy (UAP) requires applicants to four-year public universities like Texas State to meet one of the following college readiness standards, in order to be eligible for admission consideration. (Note: Students who attend an out-of-state high school are exempt from the UAP.)

- Successfully complete the Foundation (HB5), Foundation with Endorsements (HB5), Distinguished Achievement (HB5), Minimum (UAP), Recommended (UAP) or Distinguished (UAP), high school program or complete the portion of the program that was available to them; or
- Successfully complete a curriculum that is the equivalent* in content and rigor to the Foundation, Foundation with Endorsements, Distinguished Achievement, Minimum (UAP, Recommended or Advanced (Distinguished Achievement) high school program at a high school that is exempt from offering such programs; or
- Satisfy the College Readiness Benchmarks on the SAT or ACT assessment

  SAT - 1500 out of 2400
  ACT - 18 English, 22 Reading, 22 Mathematics and 23 Science

*Equivalencies must be documented by the students' high school.

TEC 51.803-51.809, Uniform Admissions Policy (UAP)

Assured Admission

Assured Admission is granted when the student graduates with one of the following diploma types: (HB5) Distinguished Achievement, (UAP) Distinguished or (UAP) Recommended high school program (or equivalent), and meets the class rank and test score requirement listed in the table below:

Class Rank	Old SAT (Prior to March 2016)	New SAT (March 2016 and after)	ACT
Top 10%	No minimum required[1]	No minimum required[1]	No minimum required[1]
1st Quartile	920	1000	20
2nd Quartile	1010	1090	22
3rd Quartile	1180	1250	26
4th Quartile	1270	1330	29

[1] Although no minimum scores are required, you still must submit your SAT/ACT scores.

The SAT score is the sum of the critical reading and math sections only. The ACT score is your composite score. An SAT/ACT writing section score is recommended.

Admission Review

Applications received from students who do not meet Assured Admissions requirements and are ranked in the top 75 percent of their class will be reviewed through a holistic review process. Texas State will consider high school curriculum, admission essay(s), extracurricular involvement, leadership, community services, work experience, quality and competitive level of courses taken, and grades earned, in addition to other factors presented in the application.

If time permits, applicants may retest before the application priority date for the purpose of raising their test scores to gain a more competitive advantage in the review process.

Students who are not offered freshman admission are encouraged to attend another college, complete 16 hours of transferable credit with a minimum GPA of 2.25, and apply for transfer admission.

Pathway Program

The Pathway program (http://www.admissions.txstate.edu/pathway) is a unique one-year co-enrollment partnership between Texas State University and Austin Community College (ACC). As a participant in the program, the student enrolls for courses at Texas State each semester and at ACC Hays. Acceptance into the program is by invitation and is based on the university's holistic review process. A limited number of fall

applicants will be offered a place in this alternative program based on the outcome of the holistic review.

Academic Program Entry Requirements

In addition to gaining general admission to the University, some academic programs at Texas State have their own entry requirements. It is possible that some students may be offered general admission to Texas State but not admitted to their major and, as a result, will have to start their program classified as a "pre-major" (for example: pre-communication studies). Students interested in pursuing one of these majors are not eligible to graduate in their program until they have completed the entry requirements, a departmental application and upper-level courses required by the department.

For a list of majors with additional entry requirements separate from general admission, please visit the Program Entry Requirements page for complete information on each major.

Teacher Education Program

To be eligible for a Texas teaching certificate, a student must first be admitted to the university, then they can apply for admission to the teacher preparation program through the Office of Educator Preparation. Information regarding these requirements can be found in the College of Education section of this catalog.

Limited Access Program

Emmett and Miriam McCoy College of Business Administration

Admission to the McCoy College of Business Administration (http://www.admissions.txstate.edu/future/limited-access.html) is highly competitive. Students who wish to pursue a major in the McCoy College are required to meet admission standards more rigorous than those for non-business applicants. Interested students will automatically be admitted when they:

- Select a Business major as tehir a first-choice major
- Receive assured admission to Texas State

Other applicants who have received admission to Texas State will be considered through a competitive review process.

Falsification of Documents

Students found to have deliberately falsified application information either by failing to submit accurate information, altering their application or misrepresenting their academic work, will be subject to disciplinary action up to and including denial of admission, withdrawal of an admission offer, or registration cancellation.

Application Procedures and Fee

Applicants for freshman admission must meet the following requirements to be considered for admission:

1. Complete the State of Texas Foundation (HB5), Foundation with Endorsements (HB5), Distinguished Achievement (HB5), Minimum (HB5), Recommended (UAP) or Distinguished (UAP) high school program (or their equivalents)
   a. NOTE: To be successful at Texas State, students should successfully complete a rigorous curriculum in high school. Texas State requires that all applicants complete four credits of English, including English I-IV; four credits of math, including Algebra I, Algebra II, Geometry, and an additional advanced math; four credits of science, including Biology, Chemistry, Physics, and an additional advanced science; three credits of social studies, including World History or, World or Human Geography, U.S. History Since 1877, U.S. Government (1/2 credit) and Economics(1/2 credit); two credits of a foreign language; one credit of fine arts; and one credit of Physical Education.
2. Submit parts I and II of the ApplyTexas Application (http://www.applytexas.org).
3. Submit one of the ApplyTexas application essays (Topic A, B, or C).
4. Submit an official high school transcript (which must include class rank or a statement that the school does not rank) or GED certificate.
5. Submit official SAT or ACT scores
6. Submit an application fee of $75 (check, money order, American Express, Visa or MasterCard). Fee waivers (https://www.admissions.txstate.edu/future-students/fee-waiver.html) are available for eligible students.
7. Submit an official college transcript from each postsecondary school attended. Students must be eligible to return (e.g., free of suspension, dismissal or enforced withdraw) and have a cumulative 2.0 grade point average in all transferable college work.

Applicants from Non-Ranking Schools

Nontraditional Secondary Education: GED and Homeschool Applicants

In accordance with Senate Bill 1543 (SB1543), applicants for admission who present evidence of completion of a nontraditional secondary education without an official class rank will have a class rank assigned by Texas State. The class rank will be comparable to the average class rank of other applicants who have equivalent ACT or SAT scores. A nontraditional secondary education includes Homeschool and GED graduates. Texas State requires an official homeschool or GED transcript to demonstrate evidence of completion.

Non-Ranking Public and Private High Schools

Students from a non-ranking school who do not fall in to the non-traditional school definition will be assigned a rank. This rank, determined by the Office of Undergraduate Admissions, will be based on one's academic rigor, grades in academic courses, GPA if available, and the profile of the High School.

Transfer Admission

Transfer Students with Fewer than 1-15 Hours

Students with 1-15 transferable credit hours at the time of application will be evaluated based on a combination of high school and college work. Applicants must meet the following requirements:

1. Submit the ApplyTexas Transfer Student application, Parts I and II, along with one essay, an official high school transcript, and a resume of activities by the appropriate Admission Priority Date (p. 33).

2. Send your ACT or SAT scores to Texas State. Our ACT code number is 4178 and SAT I code number is 6667. Texas State accepts the highest composite score from a single test date.
3. Submit an official college transcript from each post-secondary institution attended. Students must be eligible to return (e.g., free of suspension, dismissal or enforced withdrawal) to all previous institutions attended regardless of grade point average (GPA) or degree received.
4. Submit a non-refundable application fee of $75 (check, money order, American Express, VISA, MasterCard, or Discover) or apply for a fee waiver.
5. Present a cumulative GPA of at least 2.0 in all transferable course work.

Transfer Students with 16 Hours or More

Students with 16-29 tranferrable credit hours must meet at 2.5 grade point average (GPA) minimum and students with 30 or more transferrable credit hours must meet a 2.25 grade point average (GPA) minimum on all transferable credit. Transfer applicants must meet the following requirements:

1. Submit Part I of the ApplyTexas application for either Transfer, Readmit, or Transient students by the appropriate Admission Priority Date (p. 33).
2. Submit an official college transcript from each post-secondary institution attended. Students must be eligible to return (e.g., free of suspension, dismissal or enforced withdrawal) to all previous institutions attended regardless of grade point average or degree received.
3. Submit an official high school transcript.
4. Submit a non-refundable application fee of $75 (check, money order, American Express, VISA, MasterCard or Discover) or apply for a fee waiver. Information on approved fee waiver documentation can be found on Fee Waiver web page (https://www.admissions.txstate.edu/future-students/fee-waiver.html).
5. Present a cumulative GPA in all transferable work of at least 2.50 with 16-29 hours or 2.25 with 30+ hours (unless applying to the McCoy College of Business Administration (http://www.admissions.txstate.edu/future/limited-access.html)).

In calculating the GPA, grades of A, B, C, D, and F are counted. Non-punitive grades such as W or WP are posted but not calculated. Grades of WF or I are averaged as F. If a course has been repeated, every grade except the first will be calculated. Grades in non-transferable and technical/VocEd courses are disregarded. See the Academic Policies section for more on repeated grades and courses. To see what course credits will transfer, visit our Transfer Course Equivalency System (http://www.admissions.txstate.edu/future/transfer/equivalency-guides.html).

Additional Competencies

Entering students are required to demonstrate competency in a foreign language and computer Science. This can be demonstrated by means of:

- Two years of the same foreign language in high school or two semesters of the same foreign language in college. (Some degree programs may have additional requirements for graduation.)
- One year of computer course work in high school or one semester in college
- A placement exam
- CLEP

Falsification of Documents

Students found to have deliberately falsified application information either by failing to submit accurate information, altering their application or misrepresenting their academic work, will be subject to disciplinary action up to and including denial of admission, withdrawal of an admission offer, or registration cancellation.

Foreign Language Requirement

All students must show foreign language proficiency. Documentation is collected by Admissions to ensure this requirement is met. Students must complete either two years of foreign language in high school or two semesters in college to meet this requirement. Acceptable documentation could include high school transcripts, college transcripts, or submission of form explaining that they have not met this requirement.

Academic Departmental Requirements

Academic Program Entry Requirements

In addition to gaining general admission to the University, some academic programs at Texas State have their own entry requirements. It is possible that some students may be offered general admission to Texas State but not admitted to their major and, as a result, will have to start their program classified as a "pre-major" (for example: pre-communication studies). Students interested in pursuing one of these majors are not eligible to graduate in their program until they have completed the entry requirements, a departmental application and upper-level courses required by the department.

For a list of majors with additional entry requirements separate from general admission, please visit the Program Entry Requirements (http://www.admissions.txstate.edu/future/transfer/additional-program-requirements.html) page for complete information on each major.

Teacher Education Program

To be eligible for a Texas teaching certificate, a student must first be admitted to the university, then they can apply for admission to the teacher preparation program through the Office of Educator Preparation (http://mycatalog.txstate.edu/undergraduate/education/office-of-educator-preparation). Information regarding these requirements can be found in the College of Education section of this catalog.

Round Rock Campus

1555 University Blvd.
Round Rock, TX 78665-8017
www.rrc.txstate.edu (http://www.rrc.txstate.edu)
T: 512-716-4001

Texas State University offers students who live or work in or around the north Austin or Round Rock area a convenient option for completing a bachelor's or graduate degree. The Round Rock Campus (http://www.rrc.txstate.edu) (RRC) offers classes after 5:00 p.m. one night per week while other programs are offered during the day. In addition to admissions, advising, financial aid and veteran affairs counseling, the RRC also provides computer technology assistance, library services,

study areas, workshops, and convenient parking. Students who complete their degree requirements at the RRC are Texas State students who meet all of the same admissions and graduation requirements as students at the main campus.

The RRC offers junior- and senior-level classes to complete a bachelor's degree in 10 programs as well as 12 graduate degrees and 5 post baccalaureate certificate programs. Students may enroll in hybrid and online courses and, if they choose, can complete their freshman- and sophomore-level classes at the San Marcos campus, at a community college or some other (accredited) institution then transfer to the RRC.

Undergraduate Degree Programs

To register for classes at the Round Rock Campus, students must have completed their sophomore year or at least 45 transferable hours. The 45 hours of credit must be from one of the several degree plans (http://www.rrc.txstate.edu/about/programs/bachelors.html) offered by the RRC. Students who intend to complete the junior- and senior-level classes at the RRC will follow the same application process (http://www.rrc.txstate.edu/prospective/starting.html) as other applicants to Texas State. Because the advising and orientation processes are unique to the RRC it is important to contact RRC student services as soon as possible.

Graduate Degree Programs

Students wanting to grow in their career or simply expand their knowledge can choose to pursue one of the Continuing Education, Post-Baccalaureate Certificate or Master's degrees programs offered at the Round Rock Campus. Click for a list of those programs (http://www.rrc.txstate.edu/about/programs.html).

Resolution of Transfer Credit Disputes

1. The following procedures shall be followed by public institutions of higher education in the resolution of transfer credit disputes involving lower-division courses:
   a. If an institution of higher education does not accept course credit earned by a student at another institution of higher education, the receiving institution shall give written notice to the student and to the sending institution that transfer of the course credit is denied.
   b. The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Board rules and/or guidelines.
   c. If the transfer dispute is not resolved to the satisfaction of the student or the sending institution within 45 days after the date the student received written notice of denial, the institution whose credit is denied for transfer shall notify the Commissioner of the denial.
2. The Commissioner of Higher Education or the Commissioner's designee shall make the final determination about the dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.
3. All public institutions of higher education shall publish the procedures described in sub-sections (1) and (2) of this section in their undergraduate course catalogs.
4. All public institutions of higher education shall furnish data to the Board on transfer disputes as the Board may require in accord with its statutory responsibilities under Texas Education Code Section 61.826.
5. If a receiving institution has cause to believe that a course being presented by a student for transfer from another school is not of an acceptable level of quality, it should notify the Commissioner of Higher Education. The Commissioner may investigate the course. If its quality is found to be unacceptable, the Board may discontinue funding for the course.

Transfer Credit

Evaluation of Transfer Credit

Transfer of credit from another institution to Texas State involves the consideration of the transfer institution's accreditation, how the course work compares and applies to a Texas State degree program, and the grades and hours earned. The Office of Undergraduate Admissions provides, along with the admission notification letter (when applicable), a link to the office's Transfer Course Equivalency System (https://tim.txstate.edu/transferguide) page which enables students to view their evaluated transfer work online so they are aware of how each course was evaluated for transfer purposes. Other transfer student resources are available here (p. 37).

Regional Accreditation

Texas State will consider for transfer credit (subject to other provisions outlined below) course work completed at institutions which have been granted membership or candidacy status in a regional association of the Association of Colleges and Schools, excluding accrediting commissions for vocational or occupational training.

No Regional Accreditation

Course work from an institution which is neither regionally accredited nor a candidate for such accreditation will not be recognized for transfer purposes. Student appeals may be reviewed on an individual basis.

Bible College Accreditation

Courses from institutions accredited solely by ABHE (Association for Biblical Higher Education) are awarded transfer credit on a parallel course by course basis. Remedial courses are nontransferable. Religious courses of a doctrinal or denominational character (sacraments, Christian approaches to missions, etc.) are not transferable.

Credit from Abroad

Course work completed at foreign institutions will be evaluated on an individual basis. Foreign institutions must be officially recognized by their Ministry of Education for transfer credit to be considered.

Role of the Office of Undergraduate Admissions in Determining Transfer Credit

The Office of Undergraduate Admissions reviews each course taken at another college or university and makes the initial determination of whether or not a course is transferable. The course is evaluated for transfer credit by comparing the nature, content, and level of transfer credit and in consultation with appropriate academic units at Texas State. Courses transfer to Texas State on the same level and with the corresponding grades and number of hours as earned at the other institution. It is sometimes necessary for the transfer student to provide such materials as catalogs, course descriptions, syllabi, class

assignments, or textbooks to assure proper evaluation. The holding of an associate degree from another institution has no effect on the transfer of credit or admission to Texas State.

Role of University College

The University College will review student requests for review of elective courses (ELNA, ELADV) for application to the general education core curriculum.

Role of College Dean and Program Chair/Department Chair/School Director of Student's Major

The applicability of transferred credit toward a degree program at Texas State will be the decision of the college dean and the chair/director of the student's major department/school/program. The applicability of transferred credit will be evaluated on a course-by-course basis.

Explanation of Evaluation Symbols. Admissions personnel assign evaluation symbols to all courses submitted.

1. Courses that have direct Texas State course equivalency will be equated to the Texas State course number and be reflected accordingly on the evaluated transcript record.
2. Courses that hold transfer credit value, but which do not have an exact Texas State course equivalency, will transfer as elective courses. Elective courses will be recorded as ELNA (for lower-level freshman and sophomore courses) and ELADV (for upper-level junior and senior courses). Courses transferred at the lower-level cannot be equated as upper-level courses. The college dean and the chair/director of the student's major department/school/program will determine how these elective courses apply toward the student's degree program.
3. Courses evaluated as Vocational Education (VocEd) are not transferable and are not computed in the GPA for admission purposes. In cases where VocEd courses support a student's degree program, the student may request the chair/director of his/her major department/school/program to review the courses. If approved, the VocEd credit will be recorded on the student's official Texas State transcript for application to that degree program. Should the student's major change, the applicability of the VocEd credit toward the new major will be subject to review by the chair/director of the student's new major department/school/program.
4. Courses that hold no transfer value for either admission or degree purposes are evaluated as Non-Transferable (NOCRD). Generally, these are courses that are remedial, preparatory, or developmental in nature.
5. Physical fitness activity courses are evaluated as Activity (ACT). These are transferable for admission and degree purposes.

Course Equivalency Information

Course equivalency information may be obtained from the junior/community college counselor, the Texas State Office of Undergraduate Admissions or through CatsWeb on the Texas State web site (www.txstate.edu (http://www.txstate.edu)). Students are encouraged to plan all course selections at the junior/community college as far in advance as possible. Proper planning and use of the equivalency information will maximize the transfer of credit to Texas State.

Texas Junior/Community College Transfer Students

Prior to transferring from a Texas junior/community college, students should discuss their course selections and degree plans with their two-year college counselor or academic advisor.

Articulation Agreements and Transfer Planning Guides

Texas State has formal articulation agreements and/or transfer planning guides with Alvin Community College, Amarillo College, Austin Community College, Blinn College, Brazosport College Central Texas College, Cisco Jr. College, Coastal Bend College, Collin County Community College, Dallas County Community College District, El Paso Community College, Frank Philips College, Houston Community College, Kilgore College, Laredo Community College, Lone Star College, McLennan Community College, Midland College, Northeast Lakeview College, Northwest Vista, Odessa College, Palo Alto College, Paris Jr. College, San Antonio College, San Jacinto College, South Plains College, South Texas College, Southwest Texas Junior College, St. Philips College, Tarrant Community College, Temple College, Western Texas College, Wharton Jr. College and Victoria College. Transfer planning guides have been developed for many programs in these community colleges and for many additional programs in other community colleges. Potential transfer students may access existing transfer planning guides at https://www.admissions.txstate.edu/future/transfer/tpg.html.

Credit-by-Examination and International Baccalaureate (IB)

Credit-by-Examination

Credit may be earned by achieving a sufficient score (as determined by the relevant academic department at Texas State University) on any of several exams and submitting official score reports to the Testing, Evaluation, and Measurement Center (TEMC). Credit may also be earned by submitting a transcript from another college or university to the Office of Undergraduate Admissions, which documents credits awarded through examination.

Sufficient scores on the following examinations may be applied for credit:

1. College Level Examination Program (CLEP),
2. College Board Advanced Placement Examination Program (AP),
3. International Baccalaureate Program (IB),
4. ACTFL-OPI, and
5. Certain established departmental examinations (administered by TEMC or by the relevant academic department)

Credit established in this manner through TEMC will be recorded as "credit only" (CR) on the transcript and will not affect the GPA, except that Texas State recognizes superior scores for CLEP exams in French, German, and Spanish language by awarding letter grades of A or B. Letter grades for the French, German, and Spanish language CLEP exams are optional and may be recorded as CR at the student's request.

Evidence of credit by any examination must be evaluated by TEMC, before it can be entered on a transcript. Additional information on

this and other TEMC services are available on their website (http://www.txstate.edu/trec).

When an official transcript from a previously attended institution of higher education indicating credit earned through examination is received in Undergraduate Admissions, those credits are evaluated by transfer credit criteria and awarded grades of "credit only" (CR).

Credit earned by exam satisfies degree requirements in the same way as credit earned by passing the course except that it does not count as credit earned in residence.

International Baccalaureate (IB)

The International Baccalaureate is an international program of courses and examinations offered at the high school level. Those participating in the IB program and planning on attending Texas State University should indicate Texas State as the recipient of the official IB transcript of grades (diploma or certificate) for evaluation and awarding of appropriate course credit. Students who present an IB diploma will receive a minimum of 24 course-specific semester credit hours in the appropriate subject areas if all IB exam scores are 4 or higher. Students who successfully complete the IB diploma program may receive fewer than 24 semester credit hours under this policy if the student has scored lower than 4 on any IB examination administered as part of the diploma program. Standard (SL) and Higher Level (HL) exams approved for course credit at Texas State can be found at this Testing, Evaluation, and Measurement Center's IB page (https://www.txstate.edu/temc/services/studentTesting/examsforCrdit/ib.html).

Credit for Experiential Learning

The Department of Organization, Workforce, and Leadership Studies, or OWLS (https://www.owls.txstate.edu), is the only academic unit at Texas State that employs a systematic process for evaluating and credentialing experiential learning with academic merit and credit. Such credit is validated after enrollment at Texas State according to established criteria and is forwarded to the University Registrar for posting to the student's record. Should a student change majors, the validation of extra-institutional credit will be re-evaluated by the new academic department/school.

The department prepares nontraditional students for careers through high-quality academic, professional, and technical programs. It grants college credit for experiential learning such as work-life experience (https://www.owls.txstate.edu/undergraduate-degrees/Work-life-Experience-Credit.html), credit for non-collegiate instruction, and credit by exam. To apply for admission to the OWLS program, contact the Office of Undergraduate Admissions (https://www.admissions.txstate.edu/future-students.html).

Readmission of Returning Texas State Students

Any Texas State student who does not enroll in the university for one long semester but wishes to return is considered a returning student (https://www.admissions.txstate.edu/future-students/returning.html). Whether the student leaves on academic or disciplinary suspension or of their own accord, he or she must follow these procedures for readmission:

1. Submit part I of the ApplyTexas Application (http://www.applytexas.org) for Readmit students.
2. Submit application fee of $40 (check, money order, American Express, Visa or MasterCard). Fee waivers (https://www.admissions.txstate.edu/future-students/fee-waiver.html) based on need are available.
3. Submit official transcripts from every institution attended since last enrolled at Texas State.
4. Attest that no suspensions, withdrawals, or dismissals affect his or her eligibility to return to all previously attended institutions.

NOTE: Returning students who have taken 30 or more transferable hours since last enrolled must be eligible to return to all previous institutions and have a minimum GPA of 2.25 in that work. Those who left and enrolled for fewer than 30 transferable hours at another institution must also be eligible to return to all previous institutions and have a 2.0 GPA in that work.

A student who has left Texas State due to academic suspension will return on probationary status after complying with the suspension requirements and meeting the readmission criteria outlined above. (See the policy stated in "Readmission Following Suspension" in the Academic Policies of this catalog.) Some Texas State returning students may be eligible to take advantage of our Academic Bankruptcy or Academic Fresh Start programs. See Academic Forgiveness Programs (p. 42) for more information.

A student who is member of the U.S. Armed Forces or National Guard who withdrew from school as a result of a call to active duty is eligible to re-enroll without paying a reapplication fee if the student returns to Texas State within a year of being released from active duty. These students will need to complete the Returning Military Information Form (https://gato-docs.its.txstate.edu/jcr:4c9501a1-f17b-4667-a9ff-bac480ff4af3), provide a copy of their DD-214 and contact the Office of Undergraduate Admissions to have their status reactivated.

Veteran Admission and Military Credit

The Office of Undergraduate Admissions receives then reviews the academic course work of students who earned post-secondary credit while serving in the armed forces. Post-secondary credit is defined as credit earned by means of successful completion of a college-level, academic course at a regionally accredited college or university, including the CCAF. In compliance with Texas Education Code 51.3042, eligible former members of the military who are admitted or readmitted as an undergraduate will be awarded two hours of "course credit for all physical education courses required by the institution for any undergraduate degree," and an additional 12 hours of "military education" credit, which may be applied to satisfy any elective requirement.

The two hours of physical education credit will be awarded by Undergraduate Admissions upon receipt of Form DD-214 as long as the following can be verified: two years of active military duty; the student graduated from an accredited high school or equivalent; and the student is an honorably discharged member of the military who completed at least two years of service or was discharged because of a disability. The student must also submit an official high school transcript. Other military course work may be considered for transfer credit upon receipt of these acceptable forms of documentation:

1. JST (Joint Services Transcript): Army, Coast Guard, Marine Corps, Navy

2. CCAF Transcript (Community College of the Air Force)

The Office of Undergraduate Admission grants credits for lower- and upper-division course work only, not for graduate-level work. Transfer credit is subject to approval by the student's major department/ school. For information on how and when to apply for admission, please visit Veteran Admission Services (http://www.admissions.txstate.edu/future/veterans.html).

International Admission

An international student is defined as anyone who is not a United States citizen. A permanent resident alien who has completed two or more years and graduated from a U.S. high school is required to meet the same admission requirements established for U.S. citizens.

International students should complete the International Student Application of the ApplyTexas (https://www.applytexas.org/adappc/gen/c_start.WBX) application. Students must submit the application and all academic credentials, including proof of English proficiency by the Priority Date or deadline (http://mycatalog.txstate.edu/undergraduate/general-information/admissions/priority-dates-and-deadlines). A non-refundable $90.00 (USD) application fee is required of all international applicants, but the ACT or SAT is not. Freshman applicants who will be graduates of a foreign secondary school must demonstrate above-average classroom achievement and present an academic profile equivalent to that of a U.S. high school curriculum. Freshman applicants who will be graduates of a U.S. high school and have completed at least two years in a U.S. high school must meet the same admissions requirements as those of U.S. applicants.

The grade point average (GPA) requirement for transfer students depends on the number of transferable academic credit hours attempted. Students with 1-15 credit hours must meet the GPA requirement of a 2.0 as well as freshman admission standards. Students with 16-29 transfer credit hours must demonstrate a 2.5 GPA, and for those with the 30 or more credit hours, the requirement is 2.25 or 3.25 for applicants to the McCoy College of Business Administration (http://www.admissions.txstate.edu/future/limited-access.html). International transfer applicants from within the U.S., as well as those transferring from foreign universities, must meet the GPA criteria outlined above. Applicants must submit original academic records (or copies which have been certified by an appropriate school official) of all secondary and post-secondary course work, examination results, SAT or ACT test scores (directly from the testing center), certificates awarded, and/or diplomas. A certified English translation must accompany the original academic records if the originals are not in English.

Students whose native language is something other than English must present proof of English proficiency. Texas State accepts the following measures of English proficiency for regular admission:

- Test of English as a Foreign Language (TOEFL) minimum score of 550 (paper-based test) or 213 (computer-based test), or 78 total score (internet-based test) with the following 3 out of 4 minimum section scores: 19 in Reading, 19 in Listening, 19 in Speaking and 18 in Writing, or
- International English Language Testing System (IELTS) minimum score of 6.5 with a 6.0 in each section

The TOEFL or IELTS will be waived for applicants who:

- Graduated from a U.S. high school and completed three full years of regular English (non-ESL) course work. Students who meet these criteria are also expected to submit an ACT or SAT for admission purposes and will be held to the same admission standard as U.S. applicants, or
- Successfully completed at least three consecutive years of high school within an exempt country including three years of regular English with a grade of B or better, or
- Scored a 520 or higher (if taken after March 2016) on the SAT I Evidence-based Reading and Writing, or 21 or higher on the ACT English component. If taken prior to March 2016, an SAT I verbal score of 500 or higher, or
- Scored an International Baccalaureate grade of 4 or higher in English A1 or A2 at the Higher Level or Standard Level or English B at the Higher Level, or
- Earned a bachelor's degree from an accredited U.S. college or university, or successfully completed 45 or more semester hours of transferable credit from an accredited U.S. college or university (or from within an exempt country), or
- Successfully completed 30 semester hours of credit to include College Writing I and College Writing II with grades of "C" or higher (ESL courses do not count as transferable courses), or
- Scored an Advanced Level exam in English Language on GCE, GCSE, IGCSE or HKCEE with grade of "C" or higher, or
- Successfully completed all level 5500 Texas State Intensive English classes with composite grade of "A" or "B" and positive recommendation from the program director.

International students who meet the established admissions requirements but do not yet have the required level of English proficiency may be eligible for the Texas State Intensive English (TSIE) program.

To learn more about the program, its courses, application procedures and dates, cost of attendance and support services, call, email or visit the TSIE (http://www.txstate.edu/ie) offices. NOTE: acceptance into the program does not guarantee admission to Texas State.

International Students and SEVIS Transfer

F1 International Students Transferring to Texas State from Another SEVIS-Approved U.S. Institution

International students who are on F-1 visa status and wish to transfer to Texas State must meet all academic and immigration requirements. Students who have been admitted into an academic program at Texas State should follow the steps below to initiate the transfer of their SEVIS record. This is a separate procedure not to be confused with the transfer admission process managed by the Offices of Undergraduate or Graduate Admission. Submitting all the required academic transfer information and gaining admission to Texas State doesn't complete the SEVIS transfer process.

- Once admitted to Texas State you must,
  a. Inform your current DSO to transfer your SEVIS record to Texas State using the school code: SNA214F00331000
  b. Ask your current DSO to complete the SEVIS Record Transfer-In Form: http://www.international.txstate.edu/prospective/SEVIS-Record-Transfer-In-Form-.html

c. Request your I-20 from the Office of International Affairs: http://www.international.txstate.edu/prospective/requireddocs.html.

- After the release date of your SEVIS record,
  a. The Office of International Affairs will review all required documents and issue a new I-20.
  b. You can either request a shipping label to have your I-20 shipped to you or pick-up your I-20 at the Office of International Affairs.
- All new F-1 international students must report to the Office of International Affairs for mandatory immigration check-in prior to the first day of classes: http://www.international.txstate.edu/prospective/CheckIn.html.

Important Considerations

- SEVIS transfer students must begin classes at the transfer-in school the next available term or within five months of the student's last day of classes at the transfer-out school, whichever is sooner, or within five months of the program completion date on the student's current Form I-20 or EAD granted for OPT.
- If a student completes a course of study or OPT, the student is eligible for transfer through the end of the 60-day grace period. Students who are terminated or out of status should contact the Office of International Affairs prior to transferring their SEVIS record to Texas State.
- If a student is planning to travel abroad, the student must re-enter the US with the I-20 from the school that holds the student's SEVIS record at the time. If the release date passes while the student is abroad, the Office of International Affairs will create the student a new I-20 as long as the student has submitted an I-20 request.
- A student's authorization for OPT or CPT ends on the transfer release date or the end of the work authorization whichever one is earlier.

F1 International Students Transferring to Another SEVIS-Approved U.S. Institution from Texas State

To transfer from Texas State to another U.S. institution, you must complete the SEVIS Transfer-Out Form, which is posted at http://www.international.txstate.edu/current/TransferOut.html. The form requires you to indicate a release date and a copy of your acceptance letter to a SEVIS-approved institution.

The SEVIS transfer process is separate from the academic transfer process and does not imply a transfer of your academic records. The SEVIS transfer will enable your new institution to issue a new I-20 that will allow you to maintain your F1 visa status.

If you decide to cancel your transfer, you must notify Texas State's Office of International Affairs (http://www.international.txstate.edu). Once the transfer release date has reached, Texas State will no longer have access to your SEVIS record and your new institution will be responsible for the management of your record.

For further information on SEVIS regulations, contact the Texas State Office of International Affairs at 512.245.7966 or www.international.txstate.edu (http://www.international.txstate.edu).

Other Admission Categories

In addition to freshman, transfer, returning (readmit) and international students-- Texas State admits and enrolls students from additional admission categories. Applicants for admission from these categories must comply with modified application procedures and, in some cases, special (category-specific) admission requirements:

- Early Admission
- Individual Review
- Second Bachelor's
- Transient/ Visiting
- Non-degree Seeking
- Special Talent

Visit the Office of Undergraduate Admissions website (https://www.admissions.txstate.edu) for details on what each of these additional admission categories and how to apply or be considered for any of them. Information concerning course audits may be found on the Office of the University Registrar's (http://www.registrar.txstate.edu) page.

Early Admission Program

Texas State's Early Admission Program affords local high school juniors and seniors the opportunity to take college-level courses at Texas State while still in high school. The program is intended for students whose grade point average is a B or higher, meet or exceed the university's assured freshman admission requirements, and come recommended by their high school counselor or principal. PSAT scores will be used in lieu of SAT or ACT scores until they become available. All the usual freshman deadlines (https://www.admissions.txstate.edu/future-students/priority_dates.html) apply. For more information on the Early Admission Program, visit this Office of Undergraduate Admissions (http://www.admissions.txstate.edu/future/admission-categories.html) web page.

Students admitted under this option are considered non-degree seeking and are ineligible for financial aid. After high school graduation, those wishing to continue in a degree-seeking status must reapply and submit their final high school transcript.

Individual Review

Applicants who have been out of high school for at least three years and have 0-29 transferable credit hours may be considered for admission on an individual basis. Applicants must submit an official high school transcript validating high school graduation or GED completion certificate. The high school transcript or GED certificate, college transcript(s), application, and the $75 application fee (or fee waiver) must be submitted by the appropriate deadline. No test score is required for admission review, but test score submission is recommended.

Second Bachelor's Degree

Students who have completed a bachelor's degree and wish to obtain a second bachelor's degree are required to apply for admission. Those seeking a second bachelor's degree in business administration, the McCoy College requires the overall GPA from your first degree be a 2.5 or higher. Second-bachelor degree seekers cannot pursue a General Studies major. Students who hold a bachelor's degree and wish to pursue additional course work but not a second bachelor's degree should apply through the Graduate College.
To apply, students should submit the ApplyTexas application, $75 application fee and official transcripts from all colleges or universities attended including the transcript where the highest degree was obtained. Transcripts for any course work completed after the degree was earned must also be submitted. All the usual deadlines (http://

www.admissions.txstate.edu/future/deadlines.html) apply. For more information on how to apply for a second bachelor's degree, visit the Office of Undergraduate Admissions webpage (http://www.admissions.txstate.edu/future/admission-categories.html).

Auditing Courses

Those who wish to audit a course must be accepted by the Office of Undergraduate Admissions and approved by the school, department, or program offering the course. Audit status must be declared at registration. Participation in class discussion and examinations are optional with the instructor. Auditors receive no course credit but are expected to attend class regularly. With departmental/school approval, a student who has audited a course may later take the course for credit.

After registering for class(es), the student must contact the Office of the University Registrar (http://www.registrar.txstate.edu/registration/audit.html) in person by the 4th class day in the summer, or by the 12th class day in the fall or spring. Check the university's Academic Calendar for the exact date. Auditors will pay the same fees as if the course were taken for credit, and the course will be entered on his or her transcript record, but the student will not receive credit for the course.

Citizens 65 or older may audit courses without payment of a fee if space is available. Registration is permitted just prior to the start of the semester, with reduction made by the tuition adjustment clerk, Student Business Services (JCK Administration Building), before registering.

Academic Forgiveness

Some prospective transfer students may be eligible for one of these alternative admission programs. Students interested in either the Academic Fresh Start or Academic Bankruptcy program are urged to consult with an admission counselor first before pursuing one of these options. These programs are intended for prospective students only and cannot be applied after the student has been accepted.

Academic Fresh Start

Under the provisions of the Texas Education Code, the Academic Fresh Start program was established to allow a Texas resident to apply for admission and elect to have all academic course work earned 10 or more years prior to the requested enrollment date ignored for admission purposes. Individuals who choose Academic Fresh Start, including former Texas State students, must submit fresh start paperwork prior to being admitted, must meet current published admission criteria for Texas State and must submit official records from all colleges attended. Students admitted under this provision will not receive any course credit for courses taken 10 or more years prior to enrollment. Such work, however, will not be removed by the student's records.

Academic Bankruptcy Policy

Students who have not enrolled in any accredited college or university for five or more consecutive calendar years immediately prior to admission to Texas State may request permission to declare academic bankruptcy prior to being admitted. Under this policy all college-level work done at an earlier date is eliminated from computation of the GPA and none of it is applied toward a degree at Texas State. Such work, however, will not be removed from the student's records. Those granted academic bankruptcy are admitted on academic probation.

Transient/Visiting Student Admission

Students who have completed college work and who are working toward a degree at another college or university are eligible to be considered for transient/visiting admission. The applicant must complete an application for admission listing all colleges and universities attended. To be admissible as a transient/visiting, a student must be in good standing at their current institution. A current transcript or documentation from Registrar indicating good standing at the institution of current enrollment may be submitted to the Office of Undergraduate Admissions. Upon completion of the summer work, the student may request a transcript for use at the home institution. Credit and grade points earned as a transient/visiting student at Texas State will not be used in determining regular eligibility for admission to Texas State.

Non-Degree Seeking

The Non-degree Seeking Student option is intended for those not working toward a degree from Texas State. Students who have prior college work but have not earned a Bachelor's degree and wish to enroll for courses at Texas State may be considered for admission as a non-degree seeking student. Non-degree seekers are limited to a total of 24 semester hours and must reapply for admission each semester. Credit earned as a non-degree seeking student will not be considered for future admission to Texas State but may be considered for degree purposes only after the student has reapplied and met general admission requirements. Those admitted under this option are not eligible for Financial Aid. For more information on admission requirements and application procedures, visit the Office of Undergraduate Admissions.

Students who have earned a Bachelor's degree and wish to enroll in undergraduate courses should apply for admission as non-degree seeking through The Graduate College.

Special Talent

Students who receive a Fine Arts or Athletic scholarship and are recommended for admission by the Dean of the College of Fine Arts and Communication or the Director of Athletics, but do not meet Assured, Predicted Academic Success or Individual Review admission requirements, may be granted admission to Texas State. Freshman students admitted under the Special Talent Program must rank in the top three quarters of their high school class. Transfer students must have a minimum 2.00 cumulative GPA. The university president may authorize exceptions to this policy.

Determination of Residency Status

1. The following persons shall be classified as Texas residents and entitled to pay resident tuition:
   a. a person who graduated from a public or accredited private high school in this state or received the equivalent of a high school diploma in this state, and maintained a residence continuously in this state for the thirty-six months immediately preceding the date of graduation or receipt of the diploma equivalent, as applicable; and the 12 months preceding the census date of the academic semester in which the person enrolls in an institution;
   b. a person who established a domicile in this state not less than 12 months before the census date of the academic semester in which the person enrolls in an institution; and maintained a residence continuously in the state for the 12 months

immediately preceding the census date of the academic semester in which the person enrolls in an institution; and

c. a dependent whose parent established a domicile in this state not less than 12 months before the census date of the academic semester in which the person enrolls in an institution; and maintained a residence continuously in the state for the 12 months immediately preceding the census date of the academic semester in which the person enrolls in an institution.

2. The following non-U.S. citizens may establish a domicile in this state for the purposes of subsection (1)(b) or (c) of this section:
   a. a Permanent Resident;
   b. a person who is eligible for permanent resident status;
   c. an eligible nonimmigrant that holds one of the approved types of visas. A complete list is available at www.collegeforalltexans.com (http://www.collegeforalltexans.com);
   d. a person classified by the USCIS as a Refugee, Asylee, Parolee, Conditional Permanent Resident, or Temporary Resident;
   e. a person holding Temporary Protected Status, and Spouses and Children with approved petitions under the Violence Against Women Act (VAWA), an applicant with an approved USCIS I-360, Special Agricultural Worker, and a person granted deferred action status by USCIS;
   f. a person who has filed an application for Cancellation of Removal and Adjustment of Status under Immigration and Nationality Act 240A(b) or a Cancellation of Removal and Adjustment of Status under the Nicaraguan and Central American Relief Act (NACARA), Haitian Refugee Immigrant Fairness Act (HRIFA), or the Cuban Adjustment Act, and who has been issued a fee/filing receipt or Notice of Action by USCIS; and
   g. a person who has filed for adjustment of status to that of a person admitted as a Permanent Resident under 8 United States Code 1255, or under the "registry" program (8 United States Code 1259), or the Special Immigrant Juvenile Program (8 USC 1101(a)(27)(J)) and has been issued a fee/filing receipt or Notice of Action by USCIS.
3. The domicile of a dependent's parent is presumed to be the domicile of the dependent unless the dependent establishes eligibility for resident tuition under subsection (1)(a) of this section.
4. A domicile in Texas is presumed if, at least 12 months prior to the census date of the semester in which he or she is to enroll, the person owns real property in Texas, owns a business in Texas, or is married to a person who has established a domicile in Texas. Gainful employment other than work-study and other such student employment can also be a basis for establishing a domicile.
5. The temporary absence of a person or a dependent's parent from the state for the purpose of service in the U.S. Armed Forces, Public Health Service, Department of Defense, U.S. Department of State, as a result of an employment assignment, or for educational purposes, shall not affect a person's ability to continue to claim that he or she is a domiciliary of this state. The person or the dependent's parent shall provide documentation of the reason for the temporary absence.
6. The temporary presence of a person or a dependent's parent in Texas for the purpose of service in the U.S. Armed Forces, Public Health Service, Department of Defense or service with the U.S. Department of State, or as a result of any other type of employment assignment does not preclude the person or parent from establishing a domicile in Texas.

For information on Residency Requirements contact the Residency Determination Officer for Texas State University at Residency@txstate.edu.

Exceptions. A non-resident or foreign student may qualify to pay in-state tuition. Questions and documentation should be directed to Student Business Services.

1. The student or student's spouse or parent is a member of the Armed Forces or a commissioned officer of the Public Health Service and is stationed in Texas. (Military and Public Health Service personnel who maintain their official home of record as Texas or who meet the criteria for establishing a domicile in Texas are considered to be Texas residents.)
2. The student or student's spouse or parent is employed at least half-time as a teaching or research assistant in a position related to the assistant's degree program at a Texas public institution of higher education.
3. The student or student's spouse or parent is employed at least half-time on a regular monthly salaried basis as a teacher or professor at a Texas public institution of higher education.
4. The student holds an approved competitive scholarship from Texas State of at least $1000 for the academic year or summer awarded by an official Texas State scholarship committee.
5. The student or student's spouse or parent has located in Texas as an employee of a business or organization that became established in this state as part of the state economic development and diversification program. (Refer to www.collegeforalltexans.com (http://www.collegeforalltexans.com/index.cfm?ObjectID=6D1466D9-AEA5-DE00-C12F3F75E7367718) for a list of qualified employers.)
6. The student is a New Mexico resident who resides in a county bordering Texas.
7. The student is a Louisiana resident who resides in a parish bordering Texas.
8. The student is a resident of Mexico who has demonstrated a financial need.

Residency for Tuition

Residency status affects an individual's eligibility for resident tuition rates and for financial aid at Texas State. Applicants for admission to Texas State, as well as current students, are classified either as an in-state resident of Texas or an out-of-state non-resident.

Rules for determining residency for tuition purposes (http://www.admissions.txstate.edu/future/residency.html) are different from those regarding standard legal residency. An individual's residency classification is initially determined by the information provided by the student on their ApplyTexas admission application. The student is responsible for ensuring that their residency information is accurate and any corrections are made to their classification before the census date (normally the 12th day of classes for the spring and fall semesters or the 4th day for summer terms). Questions or updates regarding a student's residency classification should be directed to the Residency Specialist at residency@txstate.edu.

Some non-residents may qualify to have the out-of-state portion of their tuition waived (http://www.sbs.txstate.edu/students/waivers-exemptions.html). It is imperative that students understand that the waiver is temporary and does not grant in-state residency. If it expires, or

is lost, the tuition bill will reflect the full non-resident amount if residency has not otherwise been established.

Admission and Deadline Appeals

Students denied admission to Texas State have the right to appeal the decision. Those who file an appeal will undergo an extensive review by the Admission Appeals Committee and will be notified in writing of the final decision.

For an appeal to have merit, it must bring to light new academic information (new semester grades, class rank and/ or test scores sent directly from the high school or the testing service) and/or information relevant to any extenuating circumstances that were not reflected in the original application. Students who have retested or are scheduled to retest should submit their official scores to the Office of Undergraduate Admission as soon as they are available. Sending new scores does not require a student to go through the appeals process, but rather allows the student to be reconsidered for admission based on the new test scores. All appeals are reviewed on an individual basis.

Students who failed to complete their admission file (consisting of the application and application fee, and all supporting documents) by the published deadline may appeal. Appellants should send a letter of appeal to:

Texas State University Office of Undergraduate Admission
429 N Guadalupe St.
San Marcos, TX 78666

or via email to processing@txstate.edu. The Admission Appeals Committee will notify you of their decision by email after they have addressed your appeal.

Residency Appeals

Students who believe they meet the qualifications for in-state residency but were initially classified as out-of-state by the Office of Undergraduate Admissions have the right to appeal. If the initial classification was determined by the ApplyTexas application, as are most initial residency decisions, students should contact the Residency Office (residency@txstate.edu) for assistance. If the classification was ascertained by a and you believe the decision was made in error, you should send a letter of appeal to residency@txstate.edu or to the street address listed above.

The Residency Appeals Committee will notify you of their decision by mail after they have addressed your appeal.

New Student Orientation and Registration for Classes

All students, including returning/ readmit, second bachelor's, international, non-degree seeking, and visiting/ transient students, are required to attend a New Student Orientation (http://www.admissions.txstate.edu/admitted/orientation.html) (NSO) session prior to the start of classes. For the student who has not attended Texas State for one long semester, he or she will be required to both reapply to the university and complete orientation. NSO takes place before each semester as a means of providing just-in-time information regarding student support services, class scheduling, and other university resources. It covers a range of activities and includes advisement and class registration services.

Academic Fresh Start

Under the provisions of the Texas Education Code, the Academic Fresh Start program was established to allow a Texas resident to apply for admission and elect to have all academic course work earned 10 or more years prior to the requested enrollment date ignored for admission purposes. Individuals who choose Academic Fresh Start, including former Texas State students, must meet current published admission criteria for Texas State and must submit official records from all colleges attended. Students admitted under this provision will not receive any course credit for courses taken 10 or more years prior to enrollment.

Albert B. Alkek Library

Alkek Library
www.library.txstate.edu (http://www.library.txstate.edu)
Telephone: 512-245-2686 Fax: 512-245-0392

The Albert B. Alkek Library, located in the heart of the San Marcos campus, is where students and researchers come to find abundant information resources, cutting-edge technology, and diverse work and study spaces that support successful research and academic endeavors. The Alkek Library is the architectural centerpiece and intellectual hub of the campus and is open year round with early morning and late night hours during the fall and spring semesters, including continuous 24-hour access during mid-terms and finals. In addition, the library's online services and resources can be accessed 24/7 through the website (http://library.txstate.edu/).

Special holdings of the library include The Wittliff Collections (comprised of the Southwestern Writers Collection, the Southwestern and Mexican Photography Collection and the new Texas Music Collection) and the University Archives. The Alkek Library is also a selective depository for federal government documents. As a member of the Texas Digital Library, the library's digital collections (http://digital.library.txstate.edu/) feature unique Texas State collections, including scholarly works authored by university faculty, students and staff, and selected materials from The Wittliff Collections and the University Archives.

The library's online catalog (http://catalog.library.txstate.edu) provides information on its holdings.

Wireless access to the university network is available within the Alkek Library. Laptop computers may be checked out for building use and there are multiple workstations, laser printers and scanners located throughout the building. Alkek Library also has a self-service video recording studio, 3D printing technology, video conferencing and video-editing technology, Geographic Information Systems (GIS) technology support, and adaptive equipment for individuals with disabilities.

The Alkek Library is currently being renovated to add new technology features such as a MakerSpace, Immersion Studio (for visual, mixed and augmented reality experiences), DesignSpace (for graphic design) and additional video and audio recording and editing studios. In addition, the renovations will add a new Graduate Commons space for graduate students along with other education, instruction, and research spaces and features. Renovations are scheduled for completion during the spring 2020 semester.

The library maintains cooperative borrowing agreements with other libraries in the region. Through TexShare, a statewide resource sharing

program, students and faculty may borrow materials held by most public and private university libraries in the state.

Career Services

LBJ Student Center, 5th Floor
www.careerservices.txstate.edu (http://www.careerservices.txstate.edu)
Telephone: 512-245-2645

Career Services serves as a bridge between students' college experience and life after Texas State University. Starting their first year, and continuing beyond graduation, we are here to help students explore who they are, to weight their options, and to pursue their careers. In addition we will help them to connect their experiences--whether from the classroom, campus activities, on- or off-campus work, internships, or even graduate school--to their post-graduation goals.

Among our services are:

Career Planning and Exploration - Career Counselors are here to help you research majors, study your options, and plan and implement your professional future.

Career Advising and Job Search - Career Advisors are also available to further discuss the job search, including resumes, cover letters, interview skills, and salary negotiations.

Internships and Jobs - In Jobs4Cats, our exclusive job search database, students can find part-time/full-time employment and internship opportunities. Job seekers can also apply for on and off-campus positions through this online resources.

Employer Connections - There are also a wide range of opportunities to research and network with employers, including more than 20 career fairs, dozens of workshops and information sessions, and hundreds of employers interviewing on campus.

Office of Disability Services

LBJ Student Center 5-5.1
www.ods.txstate.edu (http://www.ods.txstate.edu)
Telephone: 512-245-3451 Fax: 512-245-3452

the Office of Disability Services (ODS) at Texas State University is dedicated to ensuring the equal access to all university programs and activities for students with disabilities through the coordination of academic accommodations and support services. Texas State students should contact the ODS and schedule an appointment with a specialist to discuss the academic accommodations process including how to register with the office and how to provide documentation of a disability. It is the student's responsibility to get diagnosed or documentation for a disability from a certifies professional (e.g., psychologist, psychiatrist, or physician) for the ODS to establish the student's need for appropriate accommodations.

Texas State University does not discriminate on the basis of disability in the recruitment and admission of students or in the operation of any of its programs and activities. Students with disabilities must meet the same admission requirements as all other prospective students. A student whose educational and/or personal goals for success have been negatively impacted due to disability-based reasons may wish to address this in the supplemental essay portion of the admission application. Students needing sign language or oral interpreting services for admissions counseling, disability counseling and/or academic advising should contact the ODS at least one week prior to the event to ensure interpreter availability.

Students with disabilities may receive financial assistance from Federal Student Aid: An Office of the U.S. Department of Education, the Texas Workforce Commission (TWC), and Texas State University including Financial Aid and Scholarships and the Office of Disability Services.

The Office of Disability Services has a procedure for enrolled students to file a concern they may have with a faculty and/or staff member related to their accommodations. Students have the option to raise their concern to a grievance if they feel it is appropriate; however, an ODS staff member may raise a concern into a grievance if deemed appropriate. Texas State University has established grievance procedures for the prompt and equitable resolution of complaints related to accommodations associated with a disability and illegal discrimination on the basis of disability, which are outlined respectively in the Grievance Procedures for Students with Disabilities and UPPS No. 04.04.46 (http://www.txstate.edu/effective/UPPS/UPPS-04-04-46.HTML), "Prohibition of Discrimination". Students who have concerns or complaints should contact the ODS Case Manager and/or Director at 512-245-3451 or the university Americans with Disabilities Act Coordinator at 512-245-2278.

Financial Aid and Scholarships

J.C. Kellam Building Room 240
www.financialaid.txstate.edu (http://www.financialaid.txstate.edu)
Email: financialaid@txstate.edu
Telephone: 512-245-2315

Texas State makes every effort to help students who need assistance in paying for the cost of their education. Interested students should contact Financial Aid and Scholarships or visit the office's website to view the types of assistance that are available.

Federal and State Aid Programs

Texas State participates in both federal and state financial aid programs. Students with sufficient financial need can benefit from such grants as the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, TEACH Grant, Iraq-Afghanistan Service Grant, TEXAS Grant, Texas State Tuition Grant and Texas Public Educational Grant. Aid can come in the form of grants, work study, student and parent loans, scholarships and other varieties.

Applying for Financial Aid

To apply for financial aid, a student must complete and submit the Free Application for Federal Student Aid (FAFSA) online at www.fafsa.ed.gov (http://www.fafsa.ed.gov) and include the Texas State University school code – 003615.

Deadlines

- January 15 is the priority date for filing a FAFSA for the upcoming academic year (fall and spring). If the deadline is missed, a student may still apply and receive some forms of assistance such as the Pell Grant and student loans.
- March 1 is the priority deadline for filing the separate summer financial aid application prior to the upcoming summer semester. This separate summer application, which can be found online at www.financialaid.txstate.edu (http://www.financialaid.txstate.edu), is in addition to filing the appropriate year's FAFSA.

- For scholarships deadline information, visit www.financialaid.txstate.edu/scholarships (http://www.financialaid.txstate.edu/scholarships).

Satisfactory Academic Progress Requirements

Federal regulations require students to meet certain minimum academic standards in order to remain eligible for financial assistance. The requirements are that a student:

1. maintain a minimum cumulative Texas State GPA;
2. complete at least 67 percent of all coursework; and
3. not exceed a maximum limit of attempted hours toward their degree.

Additional program-specific requirements also exist. View these SAP criteria in more detail at www.financialaid.txstate.edu (http://www.financialaid.txstate.edu) by selecting *Undergraduate Aid* from the dropdown menu and then *Maintain My Eligibility.*

Courses Counting

The federal government requires that a student's aid eligibility only be based on those courses that count toward the completion of the student's degree. So to be considered a full-time student for financial aid purposes, a student would want to enroll in 12 credit hours as an undergraduate (or 9 credit hours as a graduate) **that count toward their degree.** Remember, to be eligible for most financial aid, a student only needs to be enrolled at least half-time (6 hours for undergraduates and 5 hours for graduates). For more details, visit www.financialaid.txstate.edu (http://www.financialaid.txstate.edu), select *Undergraduate Aid* from the dropdown menu and then *Course Counting.*

Alternative Loan Resources

For information on alternative loans, visit www.financialaid.txstate.edu (http://www.financialaid.txstate.edu), select *Undergraduate Aid* from the dropdown menu and then *Types of Aid*.

Official Withdrawals and Financial Aid

If a student withdraws or is expelled from the university on or prior to the 60-percent point of the semester, the student is required to repay any unearned portion of federal Title IV aid. For more details, visit www.financialaid.txstate.edu (http://www.financialaid.txstate.edu), select *Undergraduate Aid* from the dropdown menu and then *Withdrawing & Attendance.*

Unofficial Withdrawals and Financial Aid

If a student is a federal financial aid recipient and fails to receive earned grades (e.g., all U's, all I's or a combination of all U's, W's or I's) in courses that span the entire period the student is scheduled to complete during a semester, the student is considered to have unofficially withdrawn from the university. As a result, a federal withdrawal calculation must be preformed to determine the amount of Title IV funds that the student must repay. For more details, visit www.financialaid.txstate.edu (http://www.financialaid.txstate.edu), select *Undergraduate Aid* from the dropdown menu and then *Withdrawing & Attendance.*

Non-Attendance and Financial Aid

If the student is a Pell Grant, Iraq-Afghanistan Service Grant (IASG) or TEACH Grant recipient, federal regulations require the student to have begun attending the courses for which the student is enrolled and receiving these grants. If on the census date roster (e.g., 12th class day of each fall and spring semester) the student is reflected as not attending a course, the student is assumed (for financial aid purposes) not to have begun attendance for that course. The student's grant will then be adjusted or cancelled based on the courses the student has actually begun attending. If the student is receiving any other forms of federal or state financial aid, this aid may also require adjustment due to the revised enrollment status. For more details, visit www.financialaid.txstate.edu (http://www.financialaid.txstate.edu), select *Undergraduate Aid* from the dropdown menu and then *Withdrawing & Attendance.*

To Withdraw

The student must submit the *Online University Withdrawal* form available on the University Registrar's Office. Financial aid recipients should speak with a Financial Aid and Scholarships representative before the withdrawal is processed. The withdrawal date is defined as the date on which a student first indicates his or her intent to withdraw.

Housing and Residential Life

DHRL Office Building
515 N. Comanche Street
www.reslife.txstate.edu (http://www.reslife.txstate.edu)
Telephone: 512-245-4663 Fax: 512-245-7619

University Housing Policy

In support of the educational mission of the university and the student value of the on-campus residential experience, the Department of Housing and Residential Life provides a safe, comfortable and convenient living environment, while offering opportunities for increased campus involvement, community interaction and academic assistance. For these reasons, the university requires that certain students live on campus.

New freshmen under the age of 20 (by September 1 for fall admission or January 1 for spring admission) with fewer than 30 semester credit hours are required to live in on-campus university housing. All students who graduated from high school within the preceding 12 months of the semester of their admission are required to live on campus, regardless of the number of credits they may have accumulated prior to attending Texas State University.

Living On-Campus

It is the mission of the Department of Housing and Residential Life to provide welcoming living communities that foster academic success, campus engagement. and personal development. The on-campus living experience is where lifetime friendships are formed, ideas and ideals are exchanged, and a whole world of opportunity and potential is spread before those willing to explore, study and get involved.

Research at Texas State and nationally has shown that, when compared to those living elsewhere, students living in the residence halls are more fully involved in academic and extracurricular activities and tend to earn a higher GPA.

Dining On-Campus

The university offers several different dining plans so students can pick the one that best fits their schedule, eating preferences, and pocketbook.

Applying to Live On-Campus

Contracts for on-campus housing may be submitted upon formal admission to the university.

Cancellation Deadlines

Contracts for on-campus living are for the entire academic year. Once the contract has been signed and returned there are very limited reasons for cancellation. For those not planning to attend the university, there is a prorated refund scale that is dependent upon the date of cancellation. See the contract terms and conditions for specific cancellation details.

Veterans Affairs

J.C. Kellam Building Room 105
www.va.txstate.edu (http://www.va.txstate.edu)
Email: veteransaffairs@txstate.edu
Telephone: 512-245-2641

Students attending Texas State (TXST) while receiving educational assistance under one of the public laws for veterans and/or their dependents must contact the TXST Office of Veterans Affairs to complete the required forms.

All students applying for GI Bill® or Hazlewood benefits must provide the documents for their specific benefit type as listed here: https://www.va.txstate.edu/timeline/required-documents.html.

All students must follow their degree requirements in order to receive the maximum benefit payout. Students who are eligible for Hazlewood are subject to Academic Progress for Waivers and Exemptions (APWE) policies. For more information, go to https://www.sbs.txstate.edu/students/waivers-exemptions.html.

It is the student's responsibility to notify the Office of Veterans Affairs of any adds, drops, course, or program changes.

Any student enrolling under any military-connected educational benefits should be prepared to cover any expenses that may not be resolved before the bill due date. No benefit pays the university directly for living or meal expenses, which are due prior to the start of each semester. GI Bill® benefit payments are made in arrears.

Tuition and Fees

Further information regarding tuition and fees may be obtained at http://www.sbs.txstate.edu/.

The university reserves the right to change fees in keeping with the acts of the Texas Legislature and the Board of Regents of the Texas State University System. The payment of all fees entitles the student to admission to classes; admission to auditorium and athletic attractions; subscription to the University Star student newspaper; use of the L.B.J. Student Center and Recreational Sports Center, health services, and Sewell Park facilities; and group use of the Wimberley Camp. These fees also help provide funds for the Associated Students (student government), band, choir, dramatics, debate and other student activities.

Tuition

Tuition for Excessive Undergraduate Hours

Texas Education Code §54.014 specifies a maximum number of semester credit hours an undergraduate student may attempt while paying Texas resident tuition. Students who exceed the maximum hour limitations will be charged the non-resident tuition rate.

Maximum Hour Limitations:

- First term in Texas public institution prior to fall 1999 - Exempt
- First term in Texas public institution from fall 1999 to summer 2006 - 45 hours over degree program
- First term in Texas public institution from fall 2006 to the present date - 30 hours over degree program

Students should meet with their academic advisor regarding their excessive hours status. Further information regarding the undergraduate excessive hours may be obtained at https://www.sbs.txstate.edu/billing/excessive-hours-fee.html

Tuition Rebate Program

Under Texas Education Code §54.0065, qualified students will receive up to a $1,000 tuition rebate upon graduation from Texas State. Submit the Tuition Rebate Application to your college academic advising center no later than 5:00 p.m. on the Monday immediately following your commencement. If you do not graduate because you did not meet the graduation requirements, you will need to complete another form for the next semester in which you are eligible. To earn the rebate, it is particularly important to follow the advice and counsel of the academic advisors. The form is located online.

Students must consult with their academic advisor to assure they meet all requirements to qualify for this program. Further information regarding tuition rebate may be obtained at https://www.sbs.txstate.edu/billing/Tuition-Rebate-Information.html

Special Fees and Charges

Admission Application Fee (mandatory & non-refundable)	$75.00
Admissions Application & Evaluation Fee for International Applicants (mandatory & non-refundable)	$90.00
Auditing Fee	same as if course were taken for credit
Certificate Fee (payable when applying for teacher certification)	
Texas Standard Certificate	$77.00
Deficiency Plan Fees (for students seeking teacher certification)	
First Plan	$75.00
Additional Plans (each)	$25.00
Late Payment Fee	$65.00
Electronic Course Fee (per semester credit hour)	$50.00
Evaluation of Foreign Credentials (for domestic applicants)	$15.00
Payment Plan Enrollment Fee (for handling & other processing)	$30.00
Late Registration Fee	
Prior to first day of class	$25.00
1st 7 class days - fall/spring	$100.00
1st 2 class days - summer	$25.00

8th through 12th class day - fall/spring	$200.00
3rd-4th class days - summer	$25.00
Off-Campus Course Fee (per semester credit hour)	$30.00/semester credit hour
Orientation Fee (mandatory, non-refundable)	$60.00
Physical Therapy Application Fee	$50.00
Post-Baccalaureate Teaching Intern Application Fee	$500.00
Returned Item Fee (for handling and other processing)	$30.00
Transcript Fee (official copy)	$5.00

Some fees are waived for students taking classes exclusively at the Round Rock Campus.

Campus Parking/Vehicle Registration Fee

Every faculty or staff member, or student, who operates or parks a vehicle on campus must:

- register the vehicle at Parking Services;
- purchase a permit;
- properly display the permit anytime the vehicle is parked on campus; and
- become familiar with and abide by the traffic and parking rules which are enforced at all times throughout the year.

Fees for vehicle registration will be published each year in the Schedule of Classes and in the official rules and regulations.The purchase of a permit and registration of the vehicle does not guarantee a parking space.

Additional information concerning the purchase and issuance of parking permits may be obtained by contacting Parking Services at 512-245-2887.

Vehicles may be registered online at www.parking.txstate.edu (http://www.parking.txstate.edu).

Course Repeat Fee

The Texas Legislature eliminated funding to higher education for courses that are attempted three or more times. An attempted course is defined as any course in which a grade is earned on the transcript, including repeated courses and courses dropped with a grade of "W". Refer to Student Business Services website Repeated Courses for more detailed information as well as the appeals process if applicable.

International Student Operations Fee

All international students with an immigration status of “F-1” or “J-1” will be charged $60.00 per semester for the maintenance of records, compliance with government regulations, and other services.

Laboratory Fees

The amount of lab fees varies on a per course basis. See the Schedule of Classes for current lab fees.

Testing Fees

Administration fees will be charged for Proctoring Exam Services for Texas State Students and Non-Texas State students who wish to take a course exam at the Testing, Evaluation, and Measurement Center (TEMC) in San Marcos, or the Round Rock Campus Testing Center. The charge is $40.00 per test for exams two hours or less. The fee amount will vary with longer time limits. This fee also applies to students who wish take a course exam through the TEMC rather than at the times offered as part of distance education courses. Students who request make-up exams allowed by Texas State faculty will also be charged $40.00 per test for exams two hours or less.

Varying fees will also be charged for:

- Exams for credit
  - CLEP
  - Departmental
  - ACTFL-OP
- Placement and college readiness tests
  - Accuplacer/Texas Success Initiative Assessment (TSIA)
  - Texas Higher Education Assessment (THEA)
- Upper level barrier exams
  - ATI TEAS BSN
  - Puncuation, Usage, and Grammar (PUG)

Visit https://www.txstate.edu/temc/ for specific fees, additional services, and information.

Room and Board Rates

Information regarding room and board rates for a specific semester may be obtained at www.reslife.txstate.edu (http://www.reslife.txstate.edu). Room and board is billed on a semester basis and may be paid in full at registration or in installments. All residence halls will be closed between semesters; however, Texas State may choose to keep some of the halls open during the break for an additional room charge.

Refund of Room and Board Fees

Any student who withdraws officially from Texas State may receive a refund on the unused portion of the room and board payment. Room and board charges will continue until the student has officially moved from university housing and has received written clearance from the director of Housing and Residential Life. Any refund due will be applied to any unpaid financial obligation with Texas State. If the refund exceeds any unpaid balance, a refund will be processed within 30 days and deposited to the student's bank account if they have signed up for direct deposit (eRefund) or issued as a check and mailed to the appropriate address on file. Mailing addresses for refunds are selected in the following priority: (1) Mailing (2) Local (3) Permanent. Students may update their addresses as needed on Catsweb.

Student’s Financial Obligations

Students are expected to meet financial obligations to the University when they are due. Tuition is due on the date given in the academic calendar, and students are not entitled to attend classes unless the tuition bill has been paid in full or in accordance with an approved payment plan. Refer to Student Business Services website Payment Options (http://www.sbs.txstate.edu/students/payment-options.html) for detailed information on payment options and requirements of payment plans.

Failure to pay the amount owed in the allotted time, or payments made with checks that are returned to Texas State unpaid by the bank may result in any or all of the following:

1. Dismissal from the university,
2. Withholding of future registration privileges,
3. Withholding of an official transcript,
4. Withholding the conferring of a degree,
5. Bar against re-admission for the student,
6. Warrant hold with the State of Texas,
7. Referral of debt to a collection agency.

Returned Checks

If a check or EFT is returned unpaid for any reason other than the admitted error of the bank, the student must pay for the returned check with cash, cashier's check, money order or credit card (MasterCard, VISA, Discover, Diners Club or American Express) immediately. A $30.00 service fee is assessed for each returned check. Until the check is paid, the student will be on "Cash Only" status. Cash Only status is a denial of check cashing privileges on campus.

Individuals who have three returned checks or EFT within a 12-month period, will be placed on Cash Only status.

Stopping payment on a check for fees or allowing the check to be returned unpaid by the bank for any reason does not constitute official withdrawal. Failure to follow procedures for withdrawing from Texas State may result in financial penalties and delays with future enrollment at the university.

Installment Policy

Tuition, fees, and room and board may be paid through the following alternatives:

- Full payment is due prior to the beginning of the semester.
- Students may enroll in a payment plan. See: http://www.sbs.txstate.edu/.

Installment Payments

Students are responsible for making their installment payments by the due date. For questions about due dates and amounts due, contact the Student Business Services Office at 512-245-2544. Students can check their balance and make payments online at http://www.sbs.txstate.edu/.

Late Payment Fees

A delinquent charge of $25 will be assessed the first day after the installment due date. Under Texas Education Code §54.007, a student who fails to make full payment of tuition and fees, including any incidental fees, by the due date may be prohibited from registering for classes until full payment is made. A student who fails to make full payment prior to the end of the semester or term may be denied credit for the work done that semester or term. See the Student Financial Obligation section for more details.

Refunds

Please refer to the Refund Information page of the Students Business Services website for detailed information of the University's refund policy. ***Please note:*** Withdrawing and dropping a class are **two different actions** and are defined below. ***These actions have separate refund policies.***

Withdrawal: Dropping ALL of your classes. You MUST do this through the Office of the University Registrar.

Dropping a class: Removing one or more classes from your schedule, while remaining enrolled in at least one course.

Drops

IMPORTANT: Dropping credit hours or withdrawing from the semester may affect your financial aid award. Students receiving financial aid should contact the Financial Aid Office before dropping or withdrawing. If you have dropped hours or withdrawn from the University, the term balance may not reflect the necessary adjustments. Please allow a minimum 10 business day waiting period for award adjustments to be processed.

Dropping a course or courses means that there is at least one other course left in the registered schedule for a semester/term. Refer to the Academic Calendar or the Refund Information page of the Student Business Services website for semester/term specific deadlines for drop refunds.

Withdrawals

Withdrawing means a student will no longer be attending any course for the semester/term. Students must withdraw from ALL courses to be considered as withdrawn for the semester. Withdrawals are initiated in the Office of the University Registrar. Please refer to the Academic Calendar or Refund Information page of the Student Business Service website for semester/term specific deadlines for withdrawal refunds. Withdrawal Information is available on the Office of the University Registrar website.

*Please note: Summer semester have several different terms within the semester. Please contact our office for specific withdrawal dates for summer. Additionally, during the summer, please allow a minimum of 10 business days waiting period for billing account adjustments to be processed.

Academic Policies

This section of the catalog contains information about Texas State's general academic policies. All Texas State students should review this information carefully when they enter the University.

Honor Code

As members of a community dedicated to learning, inquiry, and creation, the students, faculty, and administration of our university live by the principles in this Honor Code. These principles require all members of this community to be conscientious, respectful, and honest.

We are Conscientious

We complete our work on time and make every effort to do it right. We come to class and meetings prepared and are willing to demonstrate it. We hold ourselves to doing what is required, embrace rigor, and shun mediocrity, special requests, and excuses.

We are Respectful

We act civilly toward one another and we cooperate with each other. We will strive to create an environment in which people respect and listen to one another, speaking when appropriate, and permitting other people to participate and express their views.

We are Honest

We do our own work and are honest with one another in all matters. We understand how various acts of dishonesty, like plagiarizing, falsifying data, and giving or receiving assistance to which one is not entitled, conflict as much with academic achievement as with the values of honesty and integrity.

The Pledge for Students

Students at our university recognize that, to ensure honest conduct, more is needed than an expectation of academic honesty, and we therefore adopt the practice of affixing the following pledge of honesty to the work we submit for evaluation:

"I pledge to uphold the principles of
honesty and responsibility at our university."

The Pledge for Faculty and Administration

Faculty at our university recognize that the students have rights when accused of academic dishonesty and will inform the accused of their rights of appeal laid out in the student handbook and inform them of the process that will take place:

"I recognize students' rights and pledge to uphold the
principles of honesty and responsibility at our university."

Addressing Acts of Dishonesty

Students accused of dishonest conduct may have their cases heard by the faculty member. The student may also appeal the faculty member's decision to the Honor Code Council. Students and faculty will have the option of having an advocate present to insure their rights. Possible actions that may be taken range from exoneration to expulsion. Information about the Honor Code Council and its policies and procedures may be found at http://www.txstate.edu/honorcodecouncil/.

Registration

Registration Instructions

Registration Instructions contain CatsWeb registration instructions, dates, fee schedules, instructions on dropping a class or withdrawing, refund schedules, and other information that will be needed throughout the semester. This information, along with the most current class offerings, is available at www.registrar.txstate.edu/registration.html (http://www.registrar.txstate.edu/registration.html).

Academic Advising

Texas State encourages all students to seek academic advising before each registration and at other times when academic questions arise. In some departments, schools, or colleges and for some students, this advising may be mandatory. Students who are undecided about their major are advised through the University College, others through their major department or school and/or in the appropriate college advising center. Advisors help students understand academic requirements and plan schedules to meet those requirements as well as address the choice of majors and career preparation issues.

Undergraduate Student Classification

Classification is based on cumulative hours passed, not counting hours in progress.

Classification	Number of Hours
Freshman	0-29 hours
Sophomore	30-59 hours
Junior	60-89 hours
Senior	90+ hours

Course Numbers

Courses listed in this catalog and in the Schedule of Classes follow a four-digit numbering system. The first digit indicates the level of the course: 1–freshman, 2–sophomore, 3–junior, 4–senior, 5– and 6–master's, 7–doctoral. The second digit indicates the number of semester credit hours the course carries. The last two digits usually indicate the location of the course in the department/school's curriculum. A letter (A, B, C, etc.) attached to a course number usually indicates a topics course. The numbers in parentheses following a course title indicate the clock hours per week spent in lecture and in laboratory, respectively.

Texas Legislative Requirements

Texas Success Initiative Program

The main component of the Texas Success Initiative Program (TSIP) program is an initial assessment that measures skills in mathematics, reading, and writing. All students, except those who are TSI-Exempt, should take an initial assessment test before their first semester in college at a Texas public institution of higher education. Students with disabilities who need reasonable accommodations should contact the Office of Disability Services.

The State of Texas has one approved assessment instrument, the TSI Assessment. This assessment instrument is administered at Texas State University as well as all two- and four-year public institutions across the state year-round. Prior to taking the TSI Assessment, all examinees must complete a Pre-Assessment Activity (PAA) to understand the importance and process of the assessment, developmental options, and institutional resources.

Approved Assessment Instruments and Cut-Scores

TSI Assessment

- College Ready Cut-Scores
  - Mathematics - 350
  - Reading - 351
  - Writing - Essay Score of 5; Essay Score of 4 with Multiple Choice of 363

TSI Exemptions

Some students are exempt or partially exempt from assessment. A student will be identified as TSI-Exempt or partially exempt when Texas State has received official proof that he or she satisfies any one of the following:

- Earned an associate or bachelor's degree from an institution of higher education whose accreditation is recognized by SACSCOC (Southern Association of Colleges and Schools Commission on Colleges);
- Earned a composite score of at least 23 and at least 19 on the Mathematics and/or English components of an ACT test which is no more than five years old;
- Earned a Verbal plus Mathematics total of at least 1070 on a SAT test that is less than five years old, with a minimum score of 500 on the Verbal and/or a minimum of 500 on the Math; If the SAT is taken in

2016 to the present, students must earn an evidence based score of 480 for Reading and Writing and a score of 530 for Mathematics.
- Earned STAAR end-of-course (EOC) with a minimum score of Level 2 on the English III, and a minimum score of Level 4 on the Algebra II.
- Enrolled in a certificate program of one year or less (Level-One certificates, 42 or fewer semester credit hours or the equivalent);
- Previously attended any institution of higher education and has been determined to have met readiness standards by that institution;
- Is serving on active duty as a member of the armed forces of the United States, the Texas National Guard, or as a member of a reserve component of the armed forces of the United States and has been serving for at least three years preceding enrollment;
- Was honorably discharged, retired, or released from active duty as a member of the armed forces of the United States or the Texas National Guard or service as a member of a reserve component of the armed forces of the United States on or after August 1, 1990.
- Is a non-degree seeking or non-certificate seeking student.
- ESOL Waiver—An institution may grant a temporary waiver from the assessment required under this title for students with demonstrated limited English proficiency in order to provide appropriate ESOL/ESL coursework and interventions

The office of Undergraduate Admissions should receive the student's transcript and ACT, SAT, or STAAR scores.

Remediation

If students do not meet the requirements of one or more parts of the initial assessment test, they will be required to participate in an individualized developmental education program that will prepare them for freshman-level coursework in the area of deficiency. There are several ways to meet the requirements of the Texas Success Initiative. The program may require re-testing, enrollment in developmental courses, and/or participation in lab-based remediation. The student and a Texas Success Initiative Program representative will jointly determine successful completion of the program.

Out-of-State/Private School Transfers

A student who is transferring coursework from a private or out-of-state school may not need to take an assessment test. This rule has many restrictions, and students should check with the Texas Success Initiative Program Office before assuming this applies to them. The following statements apply to exact transfer courses and not to elective a non-advanced (ELNA) courses taken at private or out-of-state schools. A student who transfers a grade of "A", "B", or "C" in the following will be regarded as having passed the Mathematics part of the assessment test.

Code	Title	Hours
MATH 1315	College Algebra	3
MATH 1316	Survey of Contemporary Mathematics	3
MATH 1319	Mathematics for Business and Economics I	3

A student who transfers a grade of "A", "B", or "C" in the following will be regarded as having passed the writing part of the assessment test.

Code	Title	Hours
ENG 1310	College Writing I	3
ENG 1320	College Writing II	3

A student who transfers a grade of "A", "B", or "C" in any one of the following will be regarded as having passed the reading part of the assessment test:

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
HIST 1320	History of the United States, 1877 to Date	3
POSI 2310	Principles of American Government	3
POSI 2320	Functions of American Government	3
PSY 1300	Introduction to Psychology	3
ENG 2310	British Literature before 1785	3
ENG 2320	British Literature since 1785	3
ENG 2330	World Literature before 1600	3
ENG 2340	World Literature since 1600	3
ENG 2360	US Literature since 1865	3

If a student has passed some part of the assessment test satisfactorily, he or she should take the remaining parts of the test prior to attempting to register for classes at Texas State.

Incoming students who have taken an assessment test but have not submitted their scores to Texas State, should contact the Success Initiative Office for additional information: www.txstate.edu/tsip (http://www.txstate.edu/tsip).

History and Government

Pursuant to Texas Education Code §51.302, every student graduating from a state-supported college or university must complete six semester hours of American history (HIST 1310 (https://current.mycatalog.txstate.edu/search/?P=HIST%201310) and HIST 1320 (https://current.mycatalog.txstate.edu/search/?P=HIST%201320) at Texas State University) and six semester hours of American government (POSI 2310 (https://current.mycatalog.txstate.edu/search/?P=POSI%202310) and POSI 2320 (https://current.mycatalog.txstate.edu/search/?P=POSI%202320) at Texas State University). Both of these requirements are included in Texas State's general education core curriculum. According to current law, up to three semester hours of credit in an upper-level ROTC course may be applied to the core curriculum history requirement (HIST 1310 (https://current.mycatalog.txstate.edu/search/?P=HIST%201310) or HIST 1320 (https://current.mycatalog.txstate.edu/search/?P=HIST%201320)) and up to three hours to the core curriculum government requirement (POSI 2320 (https://current.mycatalog.txstate.edu/search/?P=POSI%202320) only).

Field of Study

A Field of Study (FOS) is a selection of lower-division courses that are guaranteed by state law to transfer and apply to a degree program. If a student takes all the courses in an FOS and then transfers to another Texas public institution of higher education, the FOS is guaranteed to transfer as a block and be applied to the appropriate major. If a student has completed the FOS, the Texas common core curriculum, and any university or college courses required of all students regardless of major, then the student is finished with all the lower-division courses for the degree program at any Texas public institution. If a student transfers with an incomplete FOS, then each completed FOS course is guaranteed to transfer and apply to the degree program, although the institution many require additional lower-division courses. FOS curricula were mandated in the 75th Texas Legislature and are intended, along with general education core curricula, to facilitate the transferability of lower-

division academic course credit among public colleges and universities throughout Texas. As found in Texas Education Code (TEC) Chapter 61, Subchapter S, Section 61.821-61.829, field of study curricula are developed in accordance with the policies and procedures of the Texas Higher Education Coordinating Board (http://www.thecb.state.tx.us/index.cfm?objectid=7D02BA60-18B8-11E8-A6640050560100A9), along with the assistance of advisory committees composed of representatives of institutions of higher education. To date, FOS have been developed in the following academic areas that are pertinent to degree programs offered at Texas State University: Accounting, Biology, Civil Engineering, Communication Studies, Computer Information Systems, Computer Science, Criminal Justice, Economics, Electrical Engineering, Engineering Technology, English, Finance, History, Management, Marketing, Mass Communication, Mathematics, Microbiology, Music, Nursing, Political Science, Psychology, Social Work, Sociology, and Wildlife Biology.

Each FOS will include the lower division courses that are required before a student may enroll in upper-division courses within the degree program, and may also offer guidelines and suggestions for appropriate general education core curriculum or elective courses in addition to the courses that actually compose the field of study curriculum itself. In TEC 61.823(b), "If a student successfully completes a field of study curriculum developed by the board, that block of courses may be transferred to a general academic teaching institution and must be substituted for that institution's lower division requirements for the degree program for the field of study into which the student transfers, and the student shall receive full academic credit toward the degree program for the block of courses transferred." In TEC 61.823(c) "A student who transfers from one institution of higher education to another without completing the field of study curriculum of the sending institution shall receive academic credit from the receiving institution for each of the courses that the student has successfully completed in the field of study curriculum of the sending institution. Following receipt of the credit for these courses, the student may be required to satisfy further course requirements in the field of study curriculum of the receiving institution." A student concurrently enrolled at more than one institution shall follow the field of study curriculum of the institution in which the student is classified as a degree-seeking student.

Degree Plan

Upon enrollment, all degree-seeking students are provided with a degree plan through *Degree Works, a degree audit software*. Based upon the student's major, this online system displays the courses required for graduation, tracks the student's progress and maintains an up-to-date list of their remaining course-work. Students and advisors utilize this tool to facilitate proper class scheduling and to monitor progress toward the degree. (Texas Education Code, Chapter 51, Section 51.9685)

Academic Regulations

Catalog Designation

The catalog designation a student receives when entering Texas State determines the curriculum and other academic policies that apply to the student. Catalog designations are made according to the following guidelines:

1. Students with no prior college work are assigned to the current catalog.
2. Students with prior college work:
   a. Students with prior college work from out-of-state or private institutions are assigned to the current catalog.
   b. Students with prior college work during the last six years, solely from Texas public institutions of higher education, are assigned to the Texas State catalog which was in effect at the time of the student's initial college enrollment.
3. Returning Texas State students (Any Texas State student who does not enroll in the university for one long semester but wishes to return is considered a returning student. Refer to "Readmission of Returning Texas State Students (http://mycatalog.txstate.edu/undergraduate/general-information/admissions/readmission-returning-students)"):
   a. Returning students whose initial Texas State enrollment was more than six years ago are assigned to the current catalog.
   b. Returning Texas State students whose initial Texas State enrollment was within the last six years and who have completed fewer than 30 hours of college work elsewhere during the interim retain their initial Texas State catalog designation.
   c. Returning Texas State students whose initial Texas State enrollment was within the last six years and who have completed 30 or more hours of college work elsewhere during the interim are assigned to the current catalog.
4. A college dean may change the catalog designation.

Per Texas Administrative Code, Rule 4.25, each institution of higher education shall permit a student who transfers from another Texas public institution of higher education to choose a catalog for the purpose of specifying graduation requirements, base upon the dates of attendance at the receiving institution and at the transferring institution, in the same manner that a non-transfer student may choose a catalog.

Each Texas public institution of higher education shall include information about graduating requirements under a particular catalog in its official publications, including print and electronic catalogs.

Public Access to Course Information

Information on Texas State's undergraduate classroom courses, including lecture and seminar courses, may be found at the following website: http://hb2504.txstate.edu. Contents include course syllabi, curriculum vita for the instructor of record, departmental budget reports, end-of-course evaluations of faculty and current work-study job openings.

Course Load

The following regulations govern the number of credit hours an undergraduate student may carry during a given term:

1. Fall or Spring Semesters: Students enrolled in 12 or more credit hours are considered full-time students. Students in good academic standing may register for up to 18 credit hours each semester. Graduating seniors or other students with a Texas State GPA of 3.50 or higher may register for 19 or more credit hours with approval from their academic dean.
2. Summer Term: Students enrolled in 12 or more hours combined over the summer term are considered full-time students. Students in good academic standing may register for up to 10 credit hours in each of the parts of summer term.

Only in exceptional circumstances, and only with the approval of the college dean, will students be allowed to exceed the stated course load limitations. In any regular semester or summer term during which a student is enrolled at Texas State, the course load limitations apply to all work attempted, whether at Texas State or elsewhere.

Class Attendance

Texas State expects students to attend every scheduled class meeting. General requirements for class attendance are as follows:

1. Faculty are encouraged to establish mandatory attendance requirements in each course.
2. Each faculty member will inform students of the course attendance policy at the initial class meeting.
3. Students are responsible for understanding the attendance policy for each course in which they enroll and for meeting the attendance requirements.
4. Failure to meet the attendance requirements in a course may lower a grade.
5. Students who do not begin attendance will be administratively dropped from the course during the roster certification period.

Religious Holy Days

"Religious holy day" means a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20, Tax Code. In accordance with Texas Education Code Section 51.911, Texas State will allow a student who is absent from classes for the observance of a religious holy day to take an examination or complete an assignment scheduled for that absent day within a reasonable time after the absence if the student notifies the instructor of each class that he or she would be absent for a religious holy day. The Education Code includes excused absences for travel to and from the religious holy day observance. The student may make up class assignments or examinations without penalty within a reasonable time after the absence. Students may obtain notification forms from the Dean of Students' Office. The student should personally deliver completed forms to the instructor for each class. The instructor will sign and date the form, thus acknowledging notification. If the student cannot personally deliver the form to an instructor, the student should mail the form to the instructor by certified mail, return receipt requested. A student who is excused under this section shall not be penalized for the absence, but the instructor may appropriately respond if the student fails to satisfactorily complete the assignment or examination within a reasonable time. Each instructor may establish additional procedures to accommodate the needs of students who are absent from classes to observe a religious holy day. These procedures must not conflict with the state law. Coordinating Board rules now provide for an appeal of a disagreement between the student and a faculty member over an absence related to a religious holy day. If a student and an instructor disagree about the nature of the absence being for the observance of a religious holy day, or if there is a disagreement about whether the student has been given a reasonable time to complete any missed assignments or examinations, either the student or the instructor may request a ruling from the President or the President's designee. The President or the President's designee must take into account the legislative intent of Education Code Section 51.911. The student and instructor shall abide by the decision of the President or the President's designee. The academic dean of each college serves as the President's designee to hear requests for decisions on these matters from either the faculty member or the student. Any questions concerning this policy should be directed to the office of the Dean of Students.

Number of Drops

In 2007, the Texas Legislature enacted Senate Bill 1231, which provides that, except for specific instances of good cause, undergraduate students entering as first time freshmen at a Texas public institution of higher education in the fall of 2007 or later will be limited to a total of six dropped courses during their undergraduate career.

Under Texas Education Code Section 51.907 "an institution of higher education may not permit a student to drop more than six courses, including any course a transfer student has dropped at another institution of higher education." This law applies to courses dropped at public institutions of higher education in Texas, including community and technical colleges, health science centers that offer undergraduate programs, and universities. Some courses will not count against the six-drop limit. These include courses dropped at independent or private Texas institutions, courses dropped while the student is still enrolled in high school, developmental courses, non-funded courses or courses dropped at colleges in other states. For the purposes of this law, a "dropped course" is defined as a course that is dropped after the census date, but before the last day to drop.

Dropping Classes/Withdrawing from the University

Dropping a class is an official action whereby students inform Texas State that they will cease attending a class in which they are enrolled while remaining enrolled in at least one credit hour. Withdrawing is an official action whereby a student informs Texas State that he/she will cease attending all classes.

Automatic "W" Deadline – the deadline to receive an automatic "W" grade is the first 60% of the semester.

Drop Deadline – the deadline to drop (remaining in at least one hour) a class is the first 60% of the semester. Special deadline dates will be enforced for courses offered in a different format.

After the drop deadline, students will be unable to drop individual classes and will receive the grade (A, B, C, D, F, U, or I) earned in the course. To initiate an appeal to drop a class or classes after the semester has ended the student must provide:

1. a written letter of appeal and
2. documentation of extremely extenuating circumstances to the appropriate chair(s).

Withdrawal Deadline – the deadline to withdraw (go to zero hours) from Texas State is two weeks preceding final examinations during the fall and spring semesters and one week preceding final examinations during the two parts of summer term.

If a student is withdrawing from Texas State after the automatic "W" period, faculty assign the "W" grade only to those students who have a passing average at the time the withdrawal action is officially completed. Otherwise, faculty members will assign a "U" grade.

Grade Reports

Semester grades are based on the student's written or oral work in a given course. Attendance may also affect the grade. Final grade reports can be accessed thru the university's student information system. Students may print a grade report via https://ssb.txstate.edu.

Grade Symbols

Grades at Texas State are indicated by the following symbols: "A"-excellent; "B"-good; "C"-average "D"-passing; "F"-failing; "U"- unearned failing (student was not academically engaged until end of term) or

withdrawn failing; "DA" failure (never attended); "CR"-credit. A grade of "PR" which is temporary and non-punitive, may be assigned in selected courses where the required clock hours needed to complete requirements extend beyond the regular semester or summer session. The "I" grade may be assigned when a student, for non-academic reasons beyond their control, has not completed a portion of the course. If a student needs to repeat a course or a significant portion of a course, a "W ","F", or "U" grade should be assigned according to regulations governing the assignments of such grades. A "W " grade cannot be assigned if the student has not officially dropped the course within the semester deadlines. An "I" grade from Texas State will not count as hours completed until another grade is assigned. One year from the semester in which a Texas State "I" grade is assigned, it will automatically be changed to an "F" if the course-work has not been completed. An "I" grade transferred from another institution remains as "I" on the Texas State record until an updated transcript is received from the other institution. A grade of "W " is assigned if a student drops a course by the Automatic "W " Drop/Withdrawal Deadline (see University Calendar in this catalog). After the Automatic "W " Drop/Withdrawal Deadline, a "U" or "W " will be assigned depending on whether the student is passing ("W ") or failing ("U") the course at the time the drop/withdrawal action is officially completed. For a complete list of grades currently and previously used at Texas State visit the University Registrar's website at http://www.registrar.txstate.edu/our-services/grades.html.

Grade-Point Average (GPA)

Texas State utilizes the four-point system. The GPA is the total number of grade points earned divided by the number of semester hours attempted. Semester grade symbols have the following values: "A" = 4 points; "B" = 3 points; "C" = 2 points; "D" = 1 point; "F" and "U" = 0 points. Neither hours nor grades are calculated for "I", "CR", "PR", or "W". To maintain an average of "C", grade points divided by semester hours attempted must equal at least 2.00.

The Texas State GPA for all work attempted at Texas State is used to determine whether a student is meeting minimum academic standards. Beginning in the fall of 1991, this Texas State GPA will be calculated by the procedures described in the section titled "Repeating Courses" (see below). Courses taken at other schools will not be included in the GPA at Texas State.

Transcripts

Effective fall 1991, Texas State transcripts will separate transfer course work from Texas State course work. Transfer work will be listed first and will show the number of hours transferred. Texas State course work listed chronologically will follow any transfer course-work. The transcript will show Texas State hours attempted, Texas State hours passed, Texas State grade points and Texas State GPA.

Repeating Courses

Effective fall 1991, a student may repeat a course, but cannot receive credit for the course more than once unless the course description in the catalog specifically provides that the course may be repeated for credit. When a course is taken more than once from Texas State, the second grade (first repeat) and all subsequent grades (repeats) are included in computing the Texas State hours attempted, grade points earned and GPA. W, I, PR, and RP grades are excluded. If the last grade in a repeated course is lower than an earlier grade, the last grade is used to determine whether the course fulfills university requirements. If the last time a course is taken is from another school, that course will meet degree requirements, but the last grade at Texas State counts towards the Texas State GPA. A course taken for transfer credit must be repeated as transfer credit to count as a repeat. When a course is taken more than once from a transfer institution, the second grade (first repeat) and all subsequent grades (repeats) are included in computing the Overall hours attempted, grade points earned and GPA. "W" and "I" grades are excluded.

Change of Grade

An individual course grade may be changed when the involved faculty member certifies to the University Registrar that an error was made in computing the original grade. The grade change must be approved by the department chair/school director and the appropriate college dean. Students who wish to protest a grade earned in a course should first discuss the grade with the instructor. If no resolution is reached, the student may appeal the grade to the department chair/school director. If no satisfactory conclusion can be reached at this level, the student may appeal to the college dean whose decision is final. In accordance with Texas State's records retention policies, a student appeal for a change of grade must be filed no later than 2 years after the grade is issued.

Student Indebtedness

All University property in a student's possession must be returned and all debts to Texas State, including past due indebtedness to loan funds, must be satisfactorily adjusted before the student is eligible to receive a statement of good standing, an official transcript of credit, graduation, or re-admission to Texas State. Moreover, continued failure to adjust such debt may result in the student's losing the privilege of attending class.

Academic Probation and Academic Suspension

Minimum Academic Standards

Students must meet minimum academic standards in work completed at Texas State. Those who fail to do so are placed on academic probation or academic suspension, as appropriate. In determining whether a student is placed on probation or suspension, only grades earned at Texas State are considered.

Academic Probation

Academic probation is an emphatic warning that the quality of the student's work has not met Texas State's minimum academic standards and that the quality must improve during the probationary semester in order for the student to continue at Texas State. A student will be placed on academic probation at the end of the fall or spring semester in which the Texas State GPA is less than 2.00. A student will be removed from academic probation at the end of any long semester or summer term if the Texas State GPA is 2.00 or higher.

Students placed on academic probation are given two probationary semesters (fall or spring terms) to raise their Texas State GPA to 2.00. For example, if a student is placed on academic probation because the Texas State GPA has fallen to 1.85, then at the end of the two following probationary semesters the Texas State GPA must be 2.00 or higher, or the student will be placed on first academic suspension. Grades earned in developmental coursework, in which neither hours nor grades are calculated toward the GPA, will not affect a student's academic standing.

Policies Governing First Academic Suspension

A first academic suspension will be for the first long semester following placement on academic suspension. The academic standing on the transcript will be noted as "Suspension 1".

If there are extenuating circumstances, students may appeal for reinstatement to the appropriate college dean or designee for reinstatement. A student suspended from one college of Texas State may not be reinstated by the dean of another undergraduate college. Deans may, at their discretion, impose conditions regarding course load limits, work load limits, counseling, etc. If the dean denies reinstatement, the student may then appeal to the Suspension Appeals Committee. Contact the specific college for the deadlines to appeal at both levels. If reinstatement is allowed, the academic standing will be updated on the transcript to "Suspn1-Reinstated on Probation". The transcript will also include the notation "Reinstated for___, Enters on Academic Probation" in the term comments field.

Unless other special conditions are imposed by the dean or the Suspension Appeals Committee, students granted reinstatement and re-admitted on academic probation are given two probationary terms (fall or spring terms) to raise their Texas State GPA to 2.00.

In addition to any special conditions imposed by the dean or the Suspension Appeals Committee, students must meet the conditions under "Academic Probation" explained above.

At the end of the second probationary semester, if the Texas State GPA is less than 2.00, the student will be placed on second academic suspension.

Students who are placed on first academic suspension from Texas State at the end of the spring semester will be:

1. Reinstated by the University Registrar on academic probation for fall if,
   a. they attend the summer term at Texas State,
   b. pass nine semester hours, and
   c. earn a 2.00 *Term* GPA on courses attempted in summer term

Or

2. Considered in good standing for the fall term if,

   a. they attend the summer term at Texas State and

   b. their *cumulative* Texas State GPA is 2.00 or greater at the end of the summer term.

Readmission Following a First Academic Suspension

At the end of the one long semester period for a first suspension, students may apply for readmission to Texas State for the subsequent semester. Students also must apply for readmission to Texas State following an absence of one long semester or more. Students who re-enter Texas State following an academic suspension do so on academic probation. The academic standing on the transcript will be updated to "Suspn1-Reinstated on Probation". For specific regulations, refer to paragraph on "Academic Probation". If the Texas State GPA is less than 2.00 at the end of the second probationary semester, the student will be placed on second academic suspension.

Policies Governing Second Academic Suspension

Students who fail to meet the minimum academic standards defined above will be placed on academic suspension for a second time, for a period of two calendar years. The academic standing on the transcript will be noted as "Suspension 2".

If there are extenuating circumstances, students may appeal to the appropriate college dean for reinstatement. If reinstatement is denied, students may then appeal to the Suspension Appeals Committee. Contact the specific college for the deadlines to appeal at both levels. If the appeal is approved, students may return to Texas State on academic probation, subject to special conditions imposed by the dean or the Suspension Appeals Committee regarding course load limits, work load limits, counseling, etc. The academic standing on the transcript will be updated to "Suspn2-Reinstated on Probation". The transcript will also include the notation "Reinstated for___, Enters on Academic Probation" in the term comments field. If reinstatement is allowed after one long term, prior to the end of the second calendar year, students must apply for re-admission to Texas State (refer to Program D in the Admissions section). In addition to any special conditions imposed by the dean or the Suspension Appeals Committee, students must meet the conditions under "Academic Probation" explained previously. At the end of the second probationary semester, if the Texas State GPA is less than 2.00, the student will be placed on a third academic suspension.

Readmission Following a Second Academic Suspension

At the end of the two-year period for a second academic suspension, students may apply for re-admission to Texas State (refer to Program D in the Admissions section). Students who re-enter Texas State following an academic suspension do so on academic probation. The academic standing on the transcript will be updated to "Suspn2-Reinstated on Probation".

Policies Governing Third Academic Suspension

Students who fail to meet the minimum academic standards defined above will be placed on academic suspension for a third time. Students on a third suspension may not continue at Texas State. The academic standing on the transcript will be noted as "Suspension 3".

If there are extenuating circumstances, students may appeal to the appropriate college dean for reinstatement. If reinstatement is denied, students may then appeal to the Suspension Appeals Committee. Contact the specific college for the deadlines to appeal at both levels. If the appeal is approved, students may return to Texas State on academic probation, subject to special conditions imposed by the dean or the Suspension Appeals Committee regarding course loads limits, work load limits, counseling etc. The academic standing on the transcript will be updated to "Suspn3-Reinstated on Probation". The transcript will also include the notation "Reinstated for___, Enters on Academic Probation" in the term comments field. If reinstatement is allowed after one long term, students must apply for re-admission to Texas State (refer to Program D in the Admissions section). In addition to any special conditions imposed by the dean or the Suspension Appeals Committee, students must meet

the conditions under "Academic Probation" explained previously. At the end of the second probationary semester, if the Texas State GPA is less than 2.00, the student will be placed on another third academic suspension.

Effect of Suspension on Correspondence or Extension Courses

While on suspension, students may complete a correspondence course in which they enrolled prior to suspension. Students may not enroll in an extension or correspondence course from Texas State while on suspension.

Registering at Another Institution During Suspension

Students who have been placed on academic suspension are not prohibited from registering at another institution; however, such academic work will not change the GPA used for calculating probation and suspension, since only those grades earned at Texas State are calculated in determining probation-suspension status. Students who enroll for 30 or more semester hours at another institution while on suspension from Texas State will be considered transfer students if they return and will be required to have a 2.25 GPA in that work for re-admission.

Exceptions

Cases in which the circumstances are not covered by the above regulations shall be handled at the discretion of the director of Undergraduate Admissions and the college dean.

Degree and Graduation Policies

Request for Degree Audit

In accordance with Section 51.9685 (b) of the Texas Education Code, after completing 30 semester credit hours students should request a degree plan audit through the college academic advising center or through their major department/school, as determined by college guidelines. When the audit is approved by the appropriate college dean or dean's representative, it will list all courses required for graduation. Students also have the option to run their own unofficial audit at any time before seeing their advisor. The audit should be used to determine which courses to take at each registration.

It is highly recommended that students see their academic advisors to review their degree audits within their last 30 hours prior to graduation. Students need to verify that they are meeting the appropriate degree requirements including coursework and grade-point averages in all courses taken at Texas State and in the major and minor fields of study. If any of the grade-point averages are below the minimums required for graduation, the degree audit can be used in deciding how to raise the averages in the remaining course-work.

The college dean has the final approval and appeal for all graduation requirements, including but not limited to degree audits, grade point average, courses, prerequisites, graduation application, transfer credit, residency, catalog time limit and designation.

Teacher Certification

Any degree that includes preparation for becoming a Texas certified teacher will have special degree and graduation requirements. Please refer to the degree requirements under the appropriate College's section and to the Teacher Preparation Program (p. 236) section of this catalog.

Application for Graduation

Students must indicate their intent to graduate through applying for graduation at the beginning of their final long semester (or beginning of summer for August graduation) by completing the graduation application using the online process. If a student fails to complete the required courses in time for a planned graduation for that term, the student must reapply for a subsequent graduation. Failure to apply for graduation on time may delay the awarding of the diploma until the following graduation. To allow for the receipt and processing of official transcripts in a timely manner, students taking off-campus courses in their final semester should make sure that the office of Undergraduate Admissions receives official transcripts as soon as they are available from the sending institution.

Minimum Degree Hours and Advanced Hours

All undergraduate degrees at Texas State require a minimum of 120 semester credit hours, including 36 advanced hours (junior and senior level courses).

Residency Requirement

To qualify for graduation with a bachelor's degree, a student must complete, through Texas State coursework, at least 25 percent of the minimum number of semester credit hours required for the degree; within this requirement, at least 24 semester credit hours must be advanced (junior or senior) and at least 12 hours of the advanced work must be completed in the major at Texas State. Additionally, at least 24 semester credit hours of the last 30 hours completed that are required for the degree must be taken at Texas State. Correspondence, extension, and off-campus coursework completed through Texas State may be applied toward residency requirements. Credit-by-examination may not be applied toward residency.

Writing Intensive Requirement

Certain Texas State courses are designated as "writing intensive" and are labeled as (WI) in this catalog and the schedule of classes. In order to achieve this status, at least 65 percent of the course grade must be based on written assignments and a minimum of one extended piece of writing must be required. All undergraduate degrees at Texas State require a minimum of 9 semester credit hours of writing intensive courses for graduation. Writing intensive credit must be taken at Texas State.

Minimum Grade-Point Requirements for Graduation

Before graduating from Texas State with a baccalaureate degree, students seeking a first or second bachelor's degree must satisfy the following minimum grade requirements:

1. A Texas State GPA of 2.00
2. A GPA of 2.25 in the major(s)
3. A GPA of 2.00 in the minor(s)

NOTE: Individual departments/schools as well as degree programs with Teacher Certification may have higher requirements listed in the appropriate sections of this catalog.

Maximum Elective Hours in Courses for the Major or Minor

No more than six semester credit hours within a major or a first teaching field may count as electives after the minimum requirements of the major or teaching field are fulfilled. Likewise, no more than six semester credit hours may be counted as electives in a minor or second teaching field once the minimums have been met. Approval of elective credit beyond these maximums must be granted by the appropriate college dean. If the degree program requires electives, the number of free elective hours a student will complete depends on the number of hours a student may need to achieve the minimum hours, and/or the 36 advanced total hours required.

Second Bachelor's Degree

A second bachelor's degree may be earned by completing a minimum of 30 additional semester credit hours as recommended by the chair/director of the student's major program/department/school and subject to the approval of the appropriate college dean. Students earning second bachelor's degrees subsequent to receiving the first bachelor's degree are eligible for graduation with honors if they complete 54 or more hours at Texas State in pursuit of the second bachelor's degree. Residency requirements (as indicated above) apply except that the advanced semester credit hours required are determined by the appropriate college dean.

For students who have already completed a first baccalaureate degree at an accredited college or university, with the approval of the department chair/school director and the college dean, the core curriculum requirements for that degree may be accepted in lieu of Texas State's general education core curriculum. However, requirements associated with particular degrees, e.g., completion of the second semester of a modern language for a Bachelor of Arts degree, or legislative requirements, e.g., history and government course requirements, must be included in an approved program for a second baccalaureate degree.

Dual Bachelor's Degrees

If two bachelor's degrees are conferred simultaneously, the student must complete a minimum of 30 semester credit hours beyond the requirements of the single degree. Degree audits must be filed in the office of both college advising centers. Graduation will occur when the student has completed requirements for both degrees. Students completing dual bachelor's degrees receive two diplomas.

Double Majors

A student who fulfills the specified requirements for two different majors authorized under a single degree has completed a double major and will receive a single diploma. Both majors appear on the diploma.

Time Limit for Earning a Degree

Students may graduate under the requirements for the degree set forth in the Texas State catalog in force during the session in which they first enroll, provided they graduate within six years from the end of the session. Transfer students who have been assigned a Texas State catalog based on their first semester at a Texas junior college have six years from the end of the semester upon which their catalog designation was based to graduate, not six years from their initial semester at Texas State. After the expiration of such a period of time, students may have to meet requirements outlined in the current catalog. "Requirements for the Degree" refers to the pattern of courses and grade-point averages required for graduation. It does not include other rules and regulations such as probation and suspension criteria, requirements for admission to courses or programs, etc.

Transfer Credit from Two-Year Colleges

Texas State will apply to a degree up to 66 semester credit hours from an accredited junior/community college. (At the approval of the individual college dean, 6-8 hours may be added.) At the time of transfer, all transferable work attempted at a junior/community college will be recorded on the official transcript. If the number of hours transferred from a junior college exceeds 66, the student's chair or director will recommend to the college dean how the student will satisfy degree requirements. For more details, see the Undergraduate Admissions (http://mycatalog.txstate.edu/undergraduate/general-information/admissions) section of this catalog.

Athletics Certification

J.C. Kellam Building Room 840
Telephone: 512-245-8148 Fax: 512-245-1757

The Athletics Certification office is responsible for obtaining, evaluating and documenting the academic credentials for approximately 400+ student-athletes in accordance with National Collegiate Athletic Association (NCAA) and Sun Belt Conference eligibility rules. This office provides the official certification of eligibility documentation to the Texas State Department of Athletics.

Academic Honors

Dean's List

To be eligible for the Dean's List at the close of any fall or spring semester, an undergraduate student must have earned a minimum GPA of 3.5 in that semester on at least 12 credit hours. Hours and grades earned through Texas State correspondence, testing and developmental courses are not counted in the hours required to be eligible for Dean's List nor in the GPA calculation for Dean's List. Extension courses and Graduate courses do count for Dean's List calculation.

Graduation with Honors

Students earning a GPA of 3.40-3.59 will graduate *cum laude*; 3.6-3.79 will graduate *magna cum laude*; 3.8-4.0 will graduate *summa cum laude*. Calculation of the GPA to determine honors status is based on all Texas State University coursework applied to the first baccalaureate degree, including work completed in the final semester. Effective summer 2012, to be eligible for graduation with honors, a student seeking a baccalaureate degree must have completed a minimum of 54 semester credit hours preceding graduation at Texas State.

Hours earned through Texas State correspondence courses and extension courses are counted in the hours required to be eligible for honors and in the GPA calculation for honors. Hours earned through Texas State credit-by-examination, work/life experience, and other courses receiving "CR" (pass/fail) grades are counted in the hours required to be eligible for honors, but do not count in the GPA calculation.

Remedial courses with a "CR" grade and graduate courses are not counted in either the hours required or the GPA calculation for honors.

Transfer students who have earned at least 54 semester hours at Texas State are eligible to graduate with honors if their Texas State GPA meets the above criteria. Students earning second baccalaureate degrees are eligible for graduation with honors if they complete 54 or more hours at Texas State in pursuit of the second degree.

Honor Societies

The following honor societies are open to qualified Texas State students. More information may be obtained through the Student Organizations Council (SOC). For a complete list of all Honor Societies, see the *get involved* website at www.getinvolvedlbjsc.txstate.edu (http://www.studentorgs.txstate.edu).

Alpha Chi

Alpha Chi is a national honor society which promotes academic excellence and exemplary character among undergraduate college and university students and honors those who achieve such distinction. To qualify for membership, a student must be a first-time undergraduate, a junior or senior (having attained no less than 60 credit hours), have a minimum Texas State GPA of 3.50 on at least 45 semester hours at Texas State. Graduate students with a 4.0 and at least 15 hours of graduate course-work at Texas State also qualify for Alpha Chi membership. Alpha Chi is the oldest honor society at Texas State, founded in 1922. For more information, contact University College at univcollege@txstate.edu.

Alpha Lambda Delta

Alpha Lambda Delta is a national academic honor society for freshmen that honors academic excellence during a student's first year in college. Its purpose is to encourage superior academic achievement, to promote intelligent living and a continued high standard of learning, and to assist women and men in recognizing and developing meaningful goals for their roles in society. Membership is open to all freshmen who are registered for a full course of study leading to a bachelor's degree, who achieve a minimum scholastic average of 3.50 (based on grades of the first full semester or on the cumulative average of the first year in college), and who have paid the initiation and lifetime membership fee. For more information, contact Melanie Liddle at ml45@txstate.edu (dm14@txstate.edu).

Golden Key National Honor Society

Golden Key recognizes and encourages scholastic achievement and excellence in all undergraduate fields, supports the faculty and administration in developing and maintaining high academic standards, provides economic assistance by means of annual scholarships, and promotes altruistic conduct through volunteer service to Texas State and community. The Golden Key National Honor Society accepts students who have a minimum cumulative GPA of 3.40, have completed 60 college hours (25 of which must have been taken at Texas State), have filed a Member Data Form, and have paid the initiation and lifetime membership fee.

The Honor Society of Phi Kappa Phi

Phi Kappa Phi is the nation's oldest, largest, and most selective collegiate honor society for all disciplines. This prestigious honor society was chartered at Texas State in 2013 and 30 members of the faculty, staff, and administration signed the charter petition. To qualify for membership, undergraduates must be juniors who are in the top 7.5 percent or seniors in the top 10 percent of their respective classes. Graduate students must rank in the upper 10 percent of their class. Students who are invited to become members may join by paying the initiation and membership fee and participating in an induction ceremony. In addition to numerous membership benefits, the national organization awards over $1 million in scholarships and fellowships each biennium. The local chapter website is http://www.txstate.edu/honors/phikappaphi.html

Multicultural Course Designation

In support of an increasingly diverse student body, Texas State is dedicated to increasing multiculturalism in the curriculum. Thus, courses are identified in the catalog and schedule of classes that offer students an opportunity to enhance their multicultural competence.

Classification System

The multicultural classification system helps Texas State track multicultural courses to determine the level at which it is providing U.S. and international diversity issues in the curriculum. The system is an accountability measure that is used as a tool to help departments/schools and colleges communicate diversity infusion to faculty, staff, students, and the community through published data reports. The classification system recognizes the significance of multicultural content and multicultural perspectives. Students benefit from multicultural content as well as perspectives.

Definitions

Multicultural Content (MULT): Courses with 60 percent multicultural content (U.S. or international.)

Multicultural Perspective (MULP): Courses using a variety of strategies to encourage multicultural literacy, including content, instructional strategies, assessment, and classroom interactions. (When this is the only classification noted, the content is less than 60 percent).

Correspondence Self-Paced Studies

302 Academic Services Building North
www.correspondence.txstate.edu (http://www.correspondence.txstate.edu)
Telephone: 512-245-2322 Fax: 512-245-8934
Toll-free: 800-511-8656

When family, jobs, business travel, and other commitments compete for time, and students find it is difficult to schedule traditional classes, correspondence self-paced study offers a solution. Courses are offered through various disciplines such as art, humanities, health-related fields, mathematics, psychology, modern languages, and sociology. A complete list of currently available courses may be found on the Correspondence Self-Paced Studies (http://www.correspondence.txstate.edu) website. Students may enroll in courses at any time of the year and take up to six or nine months to complete them, depending on the courses. All courses are offered online and require an email account and online access to complete assignments.

How Correspondence Self-Paced Study Works

Each course gives students step-by-step instructions for completing the required lessons and includes study tips, topic discussions, assignments, and other pertinent course information. While there are often guides and support, students are responsible for managing their

own progress through the course. The instructor provides feedback on assignments and answers student questions. Most courses have proctored examinations, and many have two or more examinations. All proctored examinations must either be administered at Texas State in the Testing, Evaluation, and Measurement Center (TEMC), Round Rock Campus Testing Center, through the university's official online proctoring service (when designated in the course), or, for those students who live outside the area, administered by an approved exam proctor.

General Regulations

The following regulations govern correspondence self-paced study at Texas State:

- Students do not have to be currently enrolled or admitted to a college or university to take a correspondence self-paced course.
- Enrollment in a correspondence self-paced course does not constitute official admission to Texas State.
- Texas residents or persons attending public colleges or universities in Texas are subject to compliance with Texas Success Initiative Program (TSIP) regulations.
- Before accepting correspondence self-paced course enrollments from students residing outside of Texas who are not planning on relocating to Texas, Texas State must be in compliance with the distance learning regulations of the states in which students reside. Students may visit the State Authorization page (http://www.distancelearning.txstate.edu/state-authorization.html) to determine whether Texas State may accept student enrollments from particular states.
- It is the student's responsibility to ensure that all prerequisite requirements have been met. Prerequisite requirements for all courses are listed in the course information on the office's website. Non-Texas State students will be required to provide transcripts to confirm prerequisites and TSIP requirements have been met.
- Texas State correspondence self-paced courses are applicable toward Texas State degrees. A maximum of 18 hours of correspondence credit may be applied toward a bachelor's degree.
- All assignments and exams must be completed to receive credit. The grading criteria for each course are stated on the course site.
- Correspondence course grades are calculated into students' Texas State GPA and included in the review for graduation with honors. Hours and grades earned through Texas State correspondence courses are not counted in the hours required to be eligible for Dean's List nor in the GPA calculation for Dean's List.
- A minimum of five business days must be allowed after a course has been completed for a grade to be reported on a Texas State transcript.
- Students on active suspension from Texas State are not eligible to enroll in correspondence self-paced courses.
- If enrollment in correspondence self-paced courses creates an academic overload, students must have prior, written approval of their college dean or department chair/school director.
- If enrollment in correspondence self-paced course is required to complete a graduation requirement, student work must be completed according to the following schedule:

For Correspondence Grade to Apply Toward	Deadline for Submission of Work to Faculty for Grading
Winter Commencement	**December 1**
Spring Commencement	**May 1**
Summer Commencement	**August 1**

  If correspondence coursework is completed according to these deadlines, student graduation will be deferred to subsequent term, if eligible.

- Correspondence self-paced courses completed through Texas State are applicable toward residency requirements.

Extension Studies

302 Academic Services Building North
www.extension.txstate.edu (http://www.extension.txstate.edu)
Telephone: 512-245-2322 Fax: 512-245-8934
Toll-free: 800-511-8656

The Office of Distance and Extended Learning offers many college courses not normally offered through the academic departments/schools. Extension courses may be offered on campus, online, hybrid/blended, or as part of a faculty-led Study-in-America or Off-Campus program. The times and locations for such courses depend on student need, faculty availability, and demand.

The following regulations govern Texas State extension study:

- Enrollment in an extension course does not constitute official admission to the university.
- Students from other institutions who wish to transfer extension credit should obtain prior approval of their home institution.
- If enrollment in extension courses will create an academic overload, students must have prior, written approval of their college dean and department chair/school director.
- Transcript records are maintained for all credit earned by extension.
- A maximum of thirty semester hours for Texas State credit may be completed through a combination of correspondence, extension, Study-in-America, and study abroad courses.
- Students on active suspension from Texas State are not eligible to enroll in courses for extension credit.
- Texas residents or persons attending public colleges or universities in Texas are subject to compliance with Texas Success Initiative Program regulations.
- Students are responsible for ascertaining whether or not credit for an extension course will apply to a particular program and whether or not it will transfer to another institution.
- Extension courses completed through Texas State are applicable toward residency requirements.
- Texas State University must be approved to accept student enrollments from a student's state of residency, for a student who is residing outside of the state of Texas and who is not planning to relocate to Texas before beginning an online extension course. Students may visit the State Authorization page (http://www.distancelearning.txstate.edu/state-authorization.html) to determine whether Texas State may accept student enrollments from particular states.

Education Abroad

Thornton International House
344 W. Woods Street
www.studyabroad.txstate.edu (http://www.studyabroad.txstate.edu)

Telephone: 512-245-1967 Fax: 512-245-1644 Email: studyabroad@txstate.edu

An education abroad experience expands students' intellectual and personal development as they become immersed in other cultures. Students gain a critical self-awareness, an appreciation for a multicultural world, and a clearer understanding of their own culture. Education abroad prepares students to assume their role as responsible world citizens and to succeed professionally in today's global economy.

The Education Abroad Office offers students the opportunity to participate in a variety of education abroad programs in hundreds of locations around the world. The academic credit students earn may be applied toward a degree at Texas State. Some of these programs involve direct enrollment in an overseas institution, while other programs are led by Texas State faculty.

Through Texas State Education Abroad Programs, students can spend from one week to a full academic year and beyond in another country either learning another language, concentrating their studies related to a specific topic in their field of study, or participating in an internship. Texas State Education Abroad Programs include a variety of activities that allow students to learn and experience the culture of the host country. In some of these programs students have the opportunity to live with a host family and become totally immersed in the culture of the host country for a more comprehensive learning experience.

Program locations vary from year to year. Students may learn more about these programs from current information located on the Education Abroad website.

The Education Abroad Fair, as well as many other events and presentations, are held throughout the year to provide information to students interested in studying, teaching, interning, volunteering, working and/or researching abroad.

Financial Assistance for Education Abroad Programs

Most of the financial aid that students would normally receive for studying at Texas State may be applied toward Texas State Education Abroad Programs. Additionally, there are colleges and education abroad providers that offer financial aid for attending their programs. If a student is receiving federal or state financial aid, it is recommended that the student speak with a representative of the Texas State Office of Financial Aid and Scholarships to determine the application of such aid to any education abroad program and the possible adjustment to meet the student's needs.

The Education Abroad Office also has information on scholarships that are available to students who plan to study abroad. At Texas State, students are eligible for the International Education Fee Scholarship (IEFS) as well. The IEFS is funded through the student service fee account. The scholarships are distributed in a competition open to all undergraduate and graduate Texas State students, including international students, who meet the established eligibility requirements.

Continuing Education

302 Academic Services Building North
www.txstate.edu/continuinged (http://www.txstate.edu/continuinged)
Telephone: 512-245-2507 Fax: 512-245-8934
Toll-free: 800-511-8656

The Office of Distance and Extended Learning works in cooperation with academic colleges, schools, departments, and programs to extend the resources of Texas State beyond the traditional campus classroom. Professional staff in the Office of Distance and Extended Learning collaborate with faculty, staff, and external providers to offer seminars, workshops, conferences, and short courses that align with the educational and marketable skills needs of the many communities Texas State serves. The Office of Distance and Extended Learning plans, budgets, markets, collects fees, manages registration, and ensures ongoing improvement of continuing education programming through regular evaluation and review.

These programs are generally non-credit in nature. Some programs receive Continuing Education credits, and those who successfully complete these designated programs are awarded Continuing Education Units (CEU). One CEU is awarded to a person who completes a ten-contact-hour program.

Texas Certified Public Manager Program

www.txstate.edu/cpm (http://www.txstate.edu/cpm)
Telephone: 512-245-3453 Fax: 512-331-7293

Texas State has been officially designated by the National Consortium of Certified Public Managers (CPM) to offer this program in Texas. The CPM Program offers a systematic training program to enhance the quality and efficiency of management in government and to improve professionalism and effectiveness of government managers. Individuals may enroll at any time during the year; programs are held approximately every two to three months depending on location. Admission to Texas State is not required. Courses may be completed for academic credit.

The CPM program is a nationally accredited comprehensive statewide management development program specifically for managers in federal, state, and local government and for managers in the not for profit sector. The program's primary goal is to improve the performance of public and not for profit sector managers and the organizational performance of state, local, and federal government. It is a comprehensive course of study by which public managers can acquire and apply the best practices and theory to their management behaviors and strategies using prescribed sets of professional standards. The curriculum uses theory as the foundation and applies it to practical problems facing the participant, their agency/department, and the citizens. Those who complete the program earn a national trademark designation of CPM (Certified Public Manager®).

The Texas CPM Program, a 7-course sequence which leads to a nationally accredited public manager certification, is offered by Texas State University's William P. Hobby Center for Public Service.

International Student and Scholar Services

Thornton International House
344 W. Woods Street
www.international.txstate.edu (http://www.international.txstate.edu)
Telephone: 512-245-7966 Fax: 512-245-8264

The mission of International Student and Scholar Services is to support the comprehensive internationalization goals of Texas State University

and assist the university in developing and maintaining an internationally diverse student body, faculty, and staff by:

- Serving as immigration and cultural advisors to international students and scholars; advocating on their behalf, and providing services and information that facilitate their cultural adjustment, social integration, retention and success;
- Assisting the university at large and international students, scholars, alumni, faculty and staff in particular, in complying with various governmental policies and regulations;
- Contributing to the research and teaching mission of the university by assisting with employment authorization for distinguished international scholars, faculty, and staff;
- Promoting global awareness and internationalization at the university by facilitating international agreements, and by administering international programming through hosting and sponsoring international events.

Who is an international student?

An international student is a student enrolled in a U.S. academic program in a non-immigrant visa classification.

- Common non-immigrant visa classifications are: A-1, A-2, B-1, B-2, E-1, E-2, F-1, F-2, H-1, H-4, J-1, J-2, K-1, L-1, L-2, M-1, R-1, R-2, TN, and TD.
- F-1 Student is the most common non-immigrant visa classification at Texas State with over 90% of international students in F-1 status.
- A student who has applied for or received an immigrant visa classification such as permanent residency or refugee or asylum status, or who is undocumented is not categorized as an international student.

General Regulations

The following regulations govern F-1 and J-1 international students enrolled at Texas State:
International students are required to:

- Attend a mandatory F-1 Student Immigration Check-in session or J-1 Orientation.
- Enroll in a full course of study every fall and spring semester; summer is an authorized break period, however, full-time enrollment is required in summer for students whose first semester begins in summer.
- Obtain permission from International Student and Scholar Services before dropping below a full course of study for any reason. (See Reduced Course Load (https://www.international.txstate.edu/current/Reduced-Course-Load--RCL-.html))
- Obtain permission from International Student and Scholar Services before engaging in off-campus employment. (See Curricular Practice Training (CPT) (https://www.international.txstate.edu/current/cpt.html) or Optional Practical Training (OPT) (https://www.international.txstate.edu/optandstemextension/opt.html))
- Not work more than 20 hours per week while participating in on-campus employment in the fall and spring semesters. Students may work more than 20 hours per week during the summer and authorized break periods. (See On-campus Employment (https://www.international.txstate.edu/current/oncampus.html))
- Report address changes or personal information to International Student and Scholar Services within 10 days of the change. (See Change of Address Update (https://tim.txstate.edu/internationalofficeaddresschange/Login?returnurl=%2finternationalofficeaddresschange%2f))
- Report any changes in program of study (change of major, adding a minor/concentration, etc.) to International Student and Scholar Services.
- Apply for a program extension from International Student and Scholar Services prior to the end date on the I-20. (See Program Extension (https://www.international.txstate.edu/forms/requests.html))
- Obtain a travel signature from International Student and Scholar Services for all international travel.
- Request a transfer of their SEVIS record from International Student and Scholar Services to transfer to a new SEVIS-certified institution. (See SEVIS Transfer-out (https://www.international.txstate.edu/current/TransferOut.html))
- Notify International Student and Scholar Services upon approval of a change of non-immigration status, or an adjustment of status to permanent residency.
- Provide proof of health insurance coverage each semester enrolled by obtaining coverage under the designated international student health insurance policy, or apply for a waiver and present acceptable proof of other comparable and adequate health insurance coverage. (See Health Insurance (https://www.international.txstate.edu/current/Health-insurance-.html))

An Overview of Our Services

- Assist international students and academic departments with immigration processes and issues related to non-immigrant F-1 and J-1 students;
- Assist international faculty and staff and hiring departments with employment authorization issues;
- Provide mandatory F-1 Student Check-In and host International Student Resource Fair;
- Advise and advocate for international students and scholars;
- Plan and host programs for international students and scholars;
- Provide statistical reports
- For the complete list, click here (https://www.international.txstate.edu/about/about_us/Services.html).

Texas State Intensive English Program

Thornton International House
344 W. Woods Street
www.txstate.edu/ie (http://www.txstate.edu/ie)
T: 512-245-7810 F: 512-245-3752

The Texas State Intensive English (TSIE) Program offers non-credit and credit university intensive English-as-a-Second-Language (ESL) courses for students who:

- want to improve their command of the English language before/during entering college or university-level programs of study;
- are international students participating in exchange through the Study Abroad Program, academic programs at both graduate and undergraduate levels or a visiting scholar program; or
- would like to polish their English language abilities for academic readiness, test preparation, self-improvement and/or cultural integration.

Beginning, intermediate, and advanced classes, emphasizing academic reading, writing, listening, speaking, and American Culture are offered during the fall, spring, and summer sessions.

Round Rock Campus

1555 University Blvd.
Round Rock, TX 78665-8017
www.rrc.txstate.edu (http://www.rrc.txstate.edu)
T: 512-716-4001

As Williamson County continues to experience significant annual growth — the population now exceeds 500,000 — the University Master Plan positions the Round Rock Campus to continue serving the needs of the area. Collectively, Texas State University's Round Rock Campus (http://www.rrc.txstate.edu) (RRC) provides instructional space, administrative offices, and student support spaces. Despite its increased focus on healthcare education, the RRC will continue to offer upper-level courses leading to baccalaureate degrees in an array of disciplines as well as offering select master's degrees and a professional doctoral program. Additionally, the needs of Central Texas are further served by offerings of certifications and continuing education, online and distance learning opportunities via evening and weekend sessions — delivering vital education for working adults, professionals and lifelong learners.

The RRC offers daytime and evening classes for students interested in completing their degree program. From its inception, the Round Rock Campus (http://www.rrc.txstate.edu) (RRC) has offered classes after 5:00 p.m. four nights per week for the working or adult student. Students may enroll in hybrid and online courses and, if they choose, can complete their freshman- and sophomore-level classes at the San Marcos campus, at a community college or at some other accredited institution before transferring to the RRC.

Undergraduate Degree Programs

To register for classes at the Round Rock Campus, students must have completed their sophomore year or have earned at least 45 transferable hours. The 45 hours of credit must be from one of the several bachelor's (http://www.rrc.txstate.edu/about/programs/bachelors.html) degree programs (http://www.rrc.txstate.edu/about/programs/bachelors.html) offered by the RRC. Students who intend to complete the junior- and senior-level classes at the RRC will follow the same application process (http://www.rrc.txstate.edu/prospective/starting.html) as other applicants to Texas State. Because the advising and orientation processes are unique to the RRC it is important to contact RRC student services as soon as possible.

Graduate Degree Programs

The RRC offers 16 master's degree programs and 1 professional doctorate in physical therapy (http://www.rrc.txstate.edu/about/programs/masters.html). For more information about admissions requirements and application procedures as well as the list of programs, call, visit or email the address above.

Academic Services

The Academic Services offices, and units (Testing, Evaluation, and Measurement Center [TEMC], Academic Testing for Students with Disabilities [ATSD], and Student Learning Assistance Center [SLAC]) reporting to the office, provide supplementary, essential services to students, faculty, and administration at Texas State. Specifically, administration of specific credit and non-credit testing, institutional testing for students with disabilities, supplementary instruction and enhancement of student academic performance, and coordination of the undergraduate general education core curriculum are provided through Academic Services.

Student Learning Assistance Center

Alkek Library 411
T: 512.245.2515 F: 512.245.3002
www.txstate.edu/slac (http://www.txstate.edu/slac)

Texas State's Student Learning Assistance Center (SLAC) provides a wide range of academic support programs. Whether students are seeking help with course content, study skills, or test preparation, SLAC provides a variety of services including a walk-in tutoring lab, the Veteran Academic Success Center, Supplemental Instruction, Prelaw advising, campus presentations, and online services.

The SLAC Lab provides academic assistance in accounting; sciences such as physics, biology, and chemistry; writing; statistics; computer information systems; history; philosophy; languages such as Spanish; and a number of math courses. The Lab also contains study materials, handouts, and computer-assisted instructional software on a wide range of topics and levels, from correcting comma splices to preparing for graduate school. In addition to the Learning Lab, SLAC also houses Texas State's Veteran Academic Success Center, a veteran-to-veteran tutoring initiative providing academic support in a variety of courses.

Students may also visit SLAC for assistance in preparing for the admissions tests for graduate (GRE), law (LSAT), and business (GMAT) colleges as well as local tests such as the School of Journalism and Mass Communication's Punctuation, Usage, and Grammar (PUG) exam.

Supplemental Instruction, a nontraditional approach to collaborative learning, provides structured group study for students in historically difficult courses. Supplemental Instruction Leaders (SI's) act as role models and facilitate multiple study sessions per week in order to assist students, not only with course content, but also with the development of positive study skills and habits.

SLAC staff members also provide informational and interactive presentations on test-taking and anxiety management, learning styles, time management, note-taking, and other topics. Upon request, SLAC's staff will design specialized programs on study skills and academic improvement to fit the needs of a campus club, organization, or professor. In addition, SLAC works to facilitate the College Note-Taking session of BOBCAT Preview by showing incoming freshmen proper techniques and giving tips for successfully negotiating a college lecture.

SLAC also provides Texas State students with a number of online resources. By visiting www.txstate.edu/slac (http://www.txstate.edu/slac), students can access the Learning Lab's tutoring schedule and hours, times and locations of Supplemental Instruction sessions, information regarding becoming a lab tutor or SI Leader, content area handouts, and test preparation materials. SLAC also maintains an Online Writing Lab (OWL), providing tutoring in an electronic format accessible via email.

Testing, Evaluation, and Measurement Center (TEMC)

Commons Hall Ground Floor Avery, Room 456

Texas State University, San Marcos, Texas Texas State Round Rock Campus
T: 512.245.2276 F: 512.245.2903 T: 512.756.4020
www.txstate.edu/temc (http://www.txstate.edu/temc) rr-testing@txstate.edu

The Testing, Evaluation, and Measurement Center (TEMC) is dedicated to supporting students, faculty, and the local community with testing and evaluation related needs. Services include Testing Lab services, Academic Testing for Students with Disabilities (ATSD), and scanning services for faculty. The testing center offers a variety of academic tests, including:

1. TSI Assessment (Texas Success Initiative Assessment)
2. THEA IBT (Texas Higher Education Assessment - Internet-Based Test)
3. ATI TEAS (Assessment Technologies Institute Test of Essential Academic Skills)
4. PUG (Punctuation, Usage and Grammar)
5. CLEP (College Level Examination Program)
6. DSST exams (DANTES Subject Standardized Tests)
7. ACTFL-OPI (American Council on the Teaching of Foreign Languages - Oral Proficiency Interview)
8. NOCTI (National Occupational Competency Testing Institute) Exam
9. Peregrine Healthcare Administration Exam
10. CPCE (Counselor Preparation Comp Examination)
11. Departmental Examinations-for-Credit
12. Correspondence Exams
13. Proctored Exams for other institutions

Note: Texas State University does not generally accept DSST exams for credit (with the possible exception of the Applied Arts and Sciences program in the Department of Occupational, Workforce, and Leadership Studies.)

Credit-by-Examination

Credit may be earned by achieving a sufficient score (as determined by the relevant academic department of Texas State University) on any of several exams and submitting official score reports to the Testing, Evaluation, and Measurement Center (TEMC), or by submitting a transcript from another college or university to Undergraduate Admissions documenting credits awarded there through examination.

Sufficient scores on the following examinations may be applied for credit:

1. CLEP (College Level Examination Program),
2. AP (College Board Advanced Placement Examination Program),
3. IB (International Baccalaureate Program), and
4. certain established departmental examinations (administered by TEMC or by the relevant academic department)

Credit established in this manner through TEMC will be recorded as "credit only" (CR) on the transcript and will not affect the GPA, except that Texas State University recognizes superior scores for CLEP exams in French, German, and Spanish language by awarding letter grades of A or B according to the Credit & Grade Awarding Table (http://gato-docs.its.txstate.edu/jcr:66a642e2-d487-41c4-b3d2-c798d1c004bd/ltrgrds.clep.modlang.pdf). Letter grades for the French, German, and Spanish language CLEP exams are optional, and may be recorded as CR at the student's request.

Evidence of credit by any examination must be evaluated by TEMC before it can be entered on a transcript. More detailed materials on this and other TEMC programs are available at the TEMC website, www.txstate.edu/temc/ (http://www.txstate.edu/temc).

Credit earned by exam satisfies degree requirements in the same way as credit earned by passing courses does except that it does not count as credit earned in residence.

Academic Testing for Students with Disabilities

Academic Testing for Students with Disabilities (ATSD) is the office within TEMC that provides academic testing services (course exams and quizzes) for students who are currently registered with and approved by the Office of Disability Services (ODS) to receive accommodations when testing. Some examples of testing accommodations provided by ATSD include extended time, reduced distraction environment, use of a computer, and use of a reader and/or scribe.

Note that before a student can sign up to take a test at ATSD, the need for testing accommodations must be approved by ODS, and only those accommodations designated by ODS will be provided. ATSD works closely with ODS and the other parts of TEMC to provide the most secure, up-to-date, and reduced-distraction testing environment possible to all students registered with ODS.

General Education Core Curriculum

In order to acquire the fundamental skills and cultural background that are the marks of an educated person, all undergraduate students at Texas State complete a 42 semester credit hour program of general education core curriculum courses, which serves as the common foundation for all majors and accounts for about 35 percent of the approximately 120 semester credit hours required for a bachelor's degree.

At the end of the bachelor's program, the student is prepared not only in a field of study, but also in the general abilities of critical thinking, communication, empirical and quantitative skills, teamwork, personal responsibility and social responsibilities that remain universally useful skills in a rapidly changing world. Texas State graduates have the raw materials to build solutions as they fulfill career and civic responsibilities.

A list of courses that fulfill the general education core curriculum at Texas State University is given below. In many cases, the academic degree plans of various Texas State colleges, schools, departments, degrees, majors, and certifications modify or exceed these standards, so students are urged to carefully examine all sections of this catalog, which apply to the academic program of their choice. More information about the Texas State University general education core curriculum may be found at: https://www.avpas.txstate.edu/General-Education-Council.html

Students transferring from Texas public institutions of higher education may have to fulfill only those portions of the general education core curriculum not completed at their previous institutions. Students from private or out-of-state institutions or those who took coursework before this core curriculum was put into place (Fall 2014), will have their coursework evaluated to determine if it is equivalent to that required at Texas State.

For all undergraduate students, specific major requirements may override those in the core curriculum. Those who have completed the core requirement for college math, for instance, may have to complete Calculus if such is required by their major. In all cases, the major and core requirements applicable are those in the catalog year to which the student is assigned. A list of general education core requirements at all Texas public institutions of higher education is available online at http://www.thecb.state.tx.us/apps/tcc/.

General Education Core Curriculum Components

Communication Component Code 010 (6 semester credit hours)

Code	Title	Hours
Select two of the following:		
ENG 1310	College Writing I (TCCN: ENGL 1301)	
ENG 1320	College Writing II (TCCN: ENGL 1302)	
HON 2301A	Writing to Change the World	
HON 2301B	Writing Yourself into Academia: Creating Portraiture	

Mathematics Component Code 020 (3 semester credit hours)

Code	Title	Hours
Select one of the following:		
MATH 1312	College Statistics and Algebra (TCCN: MATH 1342) [1]	
MATH 1315	College Algebra (TCCN: MATH 1314) [1]	
MATH 1316	Survey of Contemporary Mathematics (TCCN: MATH 1332) [1]	
MATH 1317	Plane Trigonometry (TCCN: MATH 1316) [1]	
MATH 1319	Mathematics for Business and Economics I (TCCN: MATH 1324) [1]	
MATH 1329	Mathematics for Business and Economics II (TCCN: MATH 1325) [1]	
MATH 2321	Calculus for Life Sciences I (TCCN: MATH 2313) [1]	
MATH 2417	Pre-Calculus Mathematics (TCCN: MATH 2412) [1]	
MATH 2471	Calculus I (TCCN: MATH 2413) [1]	
HON 2302A	Elementary Number Theory	
HON 2302B	Graph Theory and Applications	

[1] See Department of Mathematics section of this catalog for enrollment requirements.

Life and Physical Sciences Component Code 030 (6 semester credit hours)

Code	Title	Hours
Select two of the following:		
ANTH 2414	Biological Anthropology (TCCN: ANTH 2401)	
BIO 1320	Modern Biology I, Molecules, Cells, and Physiology (TCCN: BIOL 1308)	
BIO 1321	Ecology, Evolution and Society (TCCN: BIOL 1309)	
BIO 1330	Functional Biology (TCCN: BIOL 1306)	
BIO 1331	Organismal Biology (TCCN: BIOL 1307)	
CHEM 1310	Introductory Chemistry for Non-Science Majors (TCCN: CHEM 1305) [1]	
CHEM 1330	Chemistry for Non-Science Majors (TCCN: CHEM 1307)	
CHEM 1335	Engineering Chemistry (TCCN: CHEM 1311)	
CHEM 1341	General Chemistry I (TCCN: CHEM 1311) [1]	
CHEM 1342	General Chemistry II (TCCN: CHEM 1312)	
GEO 1305	Meteorology (TCCN: GEOL 1347)	
GEOL 1410	Physical Geology (TCCN: GEOL 1403)	
GEOL 1420	Historical Geology (TCCN: GEOL 1404)	
PHYS 1310	Elementary Physics (TCCN: PHYS 1305)	
PHYS 1315	General Physics I (TCCN: PHYS 1301) [2]	
PHYS 1320	Elementary Physics (TCCN: PHYS 1307)	
PHYS 1325	General Physics II (TCCN: PHYS 1302)	
PHYS 1340	Astronomy: Solar System (TCCN: PHYS 1312)	
PHYS 1350	Astronomy: Stars and Galaxies (TCCN: PHYS 1311)	
PHYS 1360	Development of Concepts in Physics I (TCCN: PHYS 1305)	
PHYS 1370	Development of Concepts in Physics II (TCCN: PHYS 1307)	
PHYS 1430	Mechanics (TCCN: PHYS 2425) [2]	
PHYS 2425	Electricity and Magnetism (TCCN: PHYS 2426)	
HON 2303A	Teaching Physical Science to Children	
HON 2303B	Astronomy in Art, History, and Literature	
HON 2303C	Building a Greener Future: One Home at a Time	
HON 2303D	Everyday Biology	

[1] Students will not receive general education core curriculum credit for both CHEM 1310 and CHEM 1341.

[2] Students will not receive general education core curriculum credit for both PHYS 1315 (http://mycatalog.txstate.edu/search/?P=PHYS%201315) and PHYS 1430 (http://mycatalog.txstate.edu/search/?P=PHYS%201430).

Language, Philosophy, and Culture Component Code 040 (3 semester credit hours)

Code	Title	Hours
Select one of the following:		
PHIL 1305	Philosophy and Critical Thinking (TCCN: PHIL 1301)	
PHIL 1320	Ethics and Society (TCCN: PHIL 2306)	
HON 2304A	The Meaning of Death	
HON 2304B	Eating Animals in America: Historical and Philosophical Perspectives	
HON 2304C	Nonviolence and Sustainable Social Change	

Creative Arts Component Code 050 (3 semester credit hours)

Code	Title	Hours
Select one of the following:		
ART 2313	Introduction to Fine Arts (TCCN: HUMA 1315)	
DAN 2313	Introduction to Fine Arts (TCCN: HUMA 1315)	
MU 2313	Introduction to Fine Arts (TCCN: HUMA 1315)	
TH 2313	Introduction to Fine Arts (TCCN: HUMA 1315)	

HON 2305A	African American Popular Music: Society, Politics, and Culture
HON 2305B	Women and Texas Music
HON 2305C	Italy and Arts of the Islamic World
HON 2305D	Honors Creative Arts

American History Component Code 060 (6 semester credit hours)

Code	Title	Hours
Select two of the following:		
HIST 1310	History of the United States to 1877 (TCCN: HIST 1301)	
HIST 1320	History of the United States, 1877 to Date (TCCN: HIST 1302)	
HON 2306A	American History Through Memoirs	
HON 2306B	Baseball and the American Experience	
HON 2306C	America in the 1960s: A History of Movements and Ideas	
HON 2306D	Witches, Whores, Murderers & Thieves: Capital Crime in Early America	
HON 2306E	Early American History Through Biography	
HON 2306F	Rethinking American Exceptionalism	

Government/Political Science Component Code 070 (6 semester credit hours)

Code	Title	Hours
Select two of the following:		
POSI 2310	Principles of American Government (TCCN: GOVT 2306)	
POSI 2320	Functions of American Government (TCCN: GOVT 2305)	
HON 2307A	Democracy in America	
HON 2307B	Contemporary Issues in American Politics	

Social and Behavioral Sciences Component Code 080 (3 semester credit hours)

Code	Title	Hours
Select one of the following:		
ANTH 1312	Cultural Anthropology (TCCN: ANTH 2351)	
ECO 2301	Principles of Economics (TCCN: ECON 1301)	
ECO 2314	Principles of Microeconomics (TCCN: ECON 2302)	
GEO 1310	World Geography (TCCN: GEOG 1303)	
PFW 1301	Social and Behavioral Dimensions of Physical Fitness and Wellness	
PSY 1300	Introduction to Psychology (TCCN: PSYC 2301)	
SOCI 1310	Introduction to Sociology (TCCN: SOCI 1301)	
HON 2308A	Economic Anthropology	

Component Area Option Codes 090, 091, 092, 093 and 094 (6 semester credit hours)

Code	Title	Hours
Choose 1 course from two of the following component area options:		
Component Area Option Code 090 and 091:		
COMM 1310	Fundamentals of Human Communication (TCCN: SPCH 1311)	
HON 2309B	Re-Humanizing Communication	
HON 2309F	CS Lewis: Chronicles of a Master Communicator	
HON 2309L	Communication and Consumer Culture	
HON 2309O	Talking Like TED	
Component Area Option Code 090 and 092:		
MATH 2473	Integral Calculus with Multivariables and Series (TCCN: MATH 2415)	
Component Area Option Code 090 and 093:		
PHYS 2425	Electricity and Magnetism (TCCN: PHYS 2426)	
Component Area Option Code 090 and 094:		
ENG 2310	British Literature before 1785 (TCCN: ENGL 2322)	
ENG 2320	British Literature since 1785 (TCCN: ENGL 2323)	
ENG 2330	World Literature before 1600 (TCCN: ENGL 2332)	
ENG 2340	World Literature since 1600 (TCCN: ENGL 2333)	
ENG 2359	US Literature before 1865 (TCCN: ENGL 2327)	
ENG 2360	US Literature since 1865 (TCCN: ENGL 2328)	
HON 2309A	Origins of Civilization	
HON 2309C	Great Ideas: Humanities I	
HON 2309D	Magic Realism in the Works of Gabriel Garcia Marquez	
HON 2309E	Preserving Humanity in the Face of Conflict: The War Story Genre	
HON 2309G	Nature and the Quest for Meaning	
HON 2309H	Great Ideas: Humanities II	
HON 2309I	Plotting the American Experience	
HON 2309J	Memoirs from Lives off the Neurotypical Map	
HON 2309K	The Death Plot: Fiction, Memoirs, Poems	
HON 2309M	From Jay-Z to Kendrick Lamar: Politics, Power, and Identity in Hip Hop Literature	
HON 2309N	Don Quixote and the Birth of the Modern Novel	
HON 2309Q	Honors British Literature	

Total General Education Core Curriculum: 42 semester credit hours.

Texas Common Course Numbering

Under Texas Education Code 61.832, the Texas Common Course Numbering System (TCCNS) was developed to facilitate transfer of general academic courses among Texas public institutions. Common courses are included in the Community College General Academic Course Guide Manual, published by the Texas Higher Education Coordinating Board and may be used to determine how freshman and sophomore-level courses transfer from and to Texas public institutions. The statewide TCCN may be accessed at this url: www.tccns.org (https://www.tccns.org)

The common course number has a standardized four-letter prefix followed by a four-digit number, for example, ENGL 1301. The four-letter prefix identifies the subject area. Each digit in the four-digit sequence gives additional information about the course. The first digit identifies the course as either freshman level (1) or sophomore level (2). The second digit identifies the number of credit hours a student will earn upon completion of the course. Most often this digit will be a 1, 2, 3, or 4.

The final two digits serve to establish the sequence in which courses are generally taken.

In the course description sections of the catalog, the common course number is shown in parentheses, for example, (ENGL 1301). In most cases, the common course number is also the course number at the community or junior college. For other institutions, if two courses share the same common course number, no matter what their actual institutional number is, they will be accepted as equivalent for transfer. The following is a list of all the common course numbers currently adopted by Texas State. The courses that fulfill Texas State's general education core curriculum requirements are designated with an asterisk.

TCCN Course	Texas State Course
ACCT 2301	ACC 2361
ACCT 2302	ACC 2362
AGRI 1131	AG 1110
AGRI 1307	AG 2313
AGRI 1309	AG 2390
AGRI 1315	AG 2379
AGRI 1419	AG 1445
AGRI 2303	AG 2373
AGRI 2317	AG 2383
ANTH 2351 *	ANTH 1312
ANTH 2401 *	ANTH 2414
ARAB 1411	ARAB 1410
ARAB 1412	ARAB 1420
ARAB 2311	ARAB 2310
ARAB 2312	ARAB 2320
ARTS 1303	ARTH 2301
ARTS 1304	ARTH 2302
ARTS 1311	ARTF 1301
ARTS 1312	ARTF 1303
ARTS 1316	ARTF 1302
ARTS 2311	ARTF 1304
ARTS 2316	ARTS 2351
ARTS 2323	ARTS 2321
ARTS 2326	ARTS 2381
ARTS 2333	ARTS 2371
ARTS 2346	ARTS 2311
ARTS 2366	ARTS 2391
ASTR 1303	PHYS 1350
ASTR 1304	PHYS 1340
BCIS 1305	CIS 1323
BIOL 1106	BIO 1130
BIOL 1107	BIO 1131
BIOL 1306 *	BIO 1330
BIOL 1307 *	BIO 1331
BIOL 1308 *	BIO 1320
BIOL 1309	BIO 1321
BIOL 1322	NUTR 2360
BIOL 2401	BIO 2451
BIOL 2402	BIO 2452
BIOL 2404	BIO 2430
BIOL 2416	BIO 2450
BIOL 2420	BIO 2440
BIOL 2421	BIO 2400
BUSI 1301	B A 2310
BUSI 2301	BLAW 2361
BUSI 2305	QMST 2333
CHEM 1111	CHEM 1141
CHEM 1112	CHEM 1142
CHEM 1305 *	CHEM 1310
CHEM 1307 *	CHEM 1330
CHEM 1309	CHEM 1335
CHEM 1311 *	CHEM 1341
CHEM 1312 *	CHEM 1342
CHEM 2123	CHEM 2141
CHEM 2125	CHEM 2142
CHEM 2323	CHEM 2341
CHEM 2325	CHEM 2342
CHIN 1411	CHI 1410
CHIN 1412	CHI 1420
CHIN 2311	CHI 2310
CHIN 2312	CHI 2320
COMM 1307	MC 1301
COMM 2311	MC 1313
COSC 1301	CS 1308
COSC 1336	CS 1319
COSC 1437	CS 1428
COSC 2325	CS 2318
COSC 2336	CS 2308
CRIJ 1301	CJ 1310
CRIJ 1306	CJ 2350
CRIJ 1310	CJ 2360
CRIJ 2313	CJ 2355
CRIJ 2328	CJ 2310
DANC 1128	DAN 1170
DANC 1201	DAN 2201
DANC 1301	DAN 2202
DANC 1305	DAN 2368
DANC 2241	DAN 2181
DANC 2247	DAN 2161
DANC 2303	DAN 1212
DRAM 1120	TH 2111
DRAM 1322	TH 1354
DRAM 1351	TH 1364
DRAM 1352	TH 1365
DRAM 2336	TH 1340
ECON 1301	ECO 2301
ECON 2301	ECO 2315
ECON 2302 *	ECO 2314
EDUC 1300	EDP 1350
ENGL 1301 *	ENG 1310
ENGL 1302 *	ENG 1320
ENGL 2322 *	ENG 2310

ENGL 2323 *	ENG 2320
ENGL 2327 *	ENG 2359
ENGL 2328 *	ENG 2360
ENGL 2332 *	ENG 2330
ENGL 2333 *	ENG 2340
ENGR 2305	TECH 2370
FREN 1411	FR 1410
FREN 1412	FR 1420
FREN 2311	FR 2310
FREN 2312	FR 2320
GEOG 1302	GEO 1309
GEOG 1303 *	GEO 1310
GEOL 1147	GEO 1105
GEOL 1347 *	GEO 1305
GEOL 1403 *	GEOL 1410
GEOL 1404 *	GEOL 1420
GERM 1411	GER 1410
GERM 1412	GER 1420
GERM 2311	GER 2310
GERM 2312	GER 2320
GOVT 2305 *	POSI 2320
GOVT 2306 *	POSI 2310
HIST 1301 *	HIST 1310
HIST 1302 *	HIST 1320
HIST 2311	HIST 2310
HIST 2312	HIST 2320
HIST 2321	HIST 2311
HIST 2322	HIST 2312
HUMA 1315 *	ART 2313
HUMA 1315 *	DAN 2313
HUMA 1315 *	MU 2313
HUMA 1315 *	TH 2313
ITAL 1411	ITAL 1410
ITAL 1412	ITAL 1420
ITAL 2311	ITAL 2310
ITAL 2312	ITAL 2320
JAPN 1411	JAPA 1410
JAPN 1412	JAPA 1420
JAPN 2311	JAPA 2310
JAPN 2312	JAPA 2320
LATI 1411	LAT 1410
LATI 1412	LAT 1420
LATI 2311	LAT 2310
LATI 2312	LAT 2320
MATH 1314 *	MATH 1315
MATH 1316 *	MATH 1317
MATH 1324 *	MATH 1319
MATH 1325 *	MATH 1329
MATH 1332 *	MATH 1316
MATH 1342	MATH 2328
MATH 1350	MATH 2311
MATH 1351	MATH 2312
MATH 2305	MATH 2358
MATH 2313 *	MATH 2321
MATH 2412 *	MATH 2417
MATH 2413 *	MATH 2471
MATH 2414	MATH 2472
MATH 2415	MATH 2473
MUSI 1116	MU 1115
MUSI 1117	MU 1116
MUSI 1181	MUSP 1135
MUSI 1182	MUSP 1136
MUSI 1307	MU 2303
MUSI 1311	MU 1315
MUSI 1312	MU 1316
MUSI 2116	MU 2115
MUSI 2117	MU 2116
MUSI 2311	MU 2315
MUSI 2312	MU 2316
PHED 1164	ESS 1100
PHED 1304	PH 1310
PHED 1336	REC 1310
PHED 1346	PH 2338
PHIL 1301 *	PHIL 1305
PHIL 1304	REL 1300
PHIL 2303	PHIL 2330
PHIL 2306 *	PHIL 1320
PHIL 2316	PHIL 2311
PHYS 1101	PHYS 1115
PHYS 1102	PHYS 1125
PHYS 1105	PHYS 1110
PHYS 1301 *	PHYS 1315
PHYS 1302 *	PHYS 1325
PHYS 1305 *	PHYS 1310
PHYS 1307 *	PHYS 1320
PHYS 2425 *	PHYS 1430
PHYS 2426 *	PHYS 2425
PORT 1411	POR 1410
PORT 1412	POR 1420
PORT 2311	POR 2310
PORT 2312	POR 2320
PSYC 2301 *	PSY 1300
PSYC 2306	PSY 2311
PSYC 2317	PSY 2301
SGNL 1401	ASL 1410
SGNL 1402	ASL 1420
SGNL 2301	ASL 2310
SGNL 2302	ASL 2320
SOCI 1301 *	SOCI 1310
SOCW 2361	SOWK 1350
SOCW 2362	SOWK 2375
SPAN 1411	SPAN 1410
SPAN 1412	SPAN 1420
SPAN 2311	SPAN 2310

SPAN 2312	SPAN 2320
SPCH 1311 *	COMM 1310
SPCH 1315	COMM 2338
SPCH 1318	COMM 2315
SPCH 1342	COMM 1340
SPCH 2333	COMM 2330

* Courses that fulfill Texas State's general education core curriculum requirements.

Degree and Program Information

Texas State University offers a full range of programs in applied arts, business administration, education, the fine arts, general studies, health professions, the liberal arts, sciences, and engineering. This section of the catalog gives basic information about the undergraduate degrees, majors, minors, and alternative curricula available at Texas State. Certificate and degree programs are approved in accordance with guidelines provided by the Southern Association of Colleges and Schools Commission on Colleges, the Texas Higher Education Coordinating Board and the Board of Regents of the Texas State University System.

SACSCOC Accreditation

Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) accreditation is institutional in nature. Although many programs are accredited by other agencies, SACSCOC accredits the university as a whole, not specific degrees or programs.

Texas State University Undergraduate Degree Program Information

All undergraduate degrees conferred by Texas State University are based on the satisfactory completion of the following components:

1. Uniform undergraduate degree requirements, which apply to all Texas State undergraduates regardless of their major. These requirements include:
   - US 1100 (required for students who enter with fewer than 16 semester credit hours completed after high school graduation),
   - Core Curriculum,
   - Foreign Language Proficiency,
   - Writing Intensive, and
   - Residency.
2. College-specific degree requirements, which include:
   - Major,
   - Minor, if applicable,
   - Upper-division hour,
   - Free electives, if applicable, and
   - Grade-point average requirements.
3. Specific degree or program, if applicable.

Special Requirements for the Bachelor of Arts Degree Programs

The following requirements apply to all Bachelor of Arts degree programs.

Minor Requirement

A minor is required and may be selected from any of the Texas State approved minors.

Science Requirement

In addition to completing the mathematics and the life and physical sciences requirements of the general education core curriculum, students must complete one additional science course (3-4 hours) from anthropology (biological anthropology only), biology, chemistry, computer science, geography (physical geography only), geology, mathematics, philosophy (logic only), physics.

Modern Language Requirement

An intermediate level proficiency demonstrated by successful completion of American Sign Language, Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, or Spanish (2310 and 2320) is required. Most students will need to complete 1410 and 1420 as prerequisites before attempting 2310.

Code	Title	Hours
Select one of the following groups:		
ASL 2310 & ASL 2320	Intermediate American Sign Language I and Intermediate American Sign Language II	
ARAB 2310 & ARAB 2320	Intermediate Arabic I and Intermediate Arabic II	
CHI 2310 & CHI 2320	Intermediate Chinese I and Intermediate Chinese II	
FR 2310 & FR 2320	Intermediate French I and Intermediate French II	
GER 2310 & GER 2320	Intermediate German I and Intermediate German II	
ITAL 2310 & ITAL 2320	Intermediate Italian I and Intermediate Italian II	
JAPA 2310 & JAPA 2320	Intermediate Japanese I and Intermediate Japanese II	
LAT 2310 & LAT 2320	Intermediate Latin and Intermediate Latin	
POR 2310 & POR 2320	Intermediate Portuguese I and Intermediate Portuguese II	
RUSS 2310 & RUSS 2320	Intermediate Russian I and Intermediate Russian II	
SPAN 2310 & SPAN 2320	Intermediate Spanish I and Intermediate Spanish II	

English Literature Requirement

Code	Title	Hours
Select two of the following:		6
ENG 2310	British Literature before 1785	
ENG 2320	British Literature since 1785	
ENG 2330	World Literature before 1600	
ENG 2340	World Literature since 1600	
ENG 2359	US Literature before 1865	
ENG 2360	US Literature since 1865	

Note: Students who earn a "B" or "A" in the first sophomore literature course may choose to take an advanced literature course (3000 or 4000 level) instead of a second sophomore literature course.

Special Requirements for the Bachelor of Science Degree Programs

A minor is required and may be selected from any of the Texas State approved minors.

Pre-Professional Curricula

Students preparing to study dentistry, law, medicine, pharmacy, physical therapy, physician assistant, or veterinary medicine should enroll in the degree plan listed below. Before each registration, the student should consult with an academic advisor.

Health Careers

Texas State University provides many resources for students interested in attending health-related profession such as medical school, dental school, optometry, physician assistant or pharmacy.

Students will be able to complete all undergraduate prerequisite coursework while earning their bachelor's degree in any of the majors offered. Texas State University offers a rich diversity of science, math and non-science courses that will fulfill prerequisite requirements for all professional schools in the country and prepare students to take admissions test such as the MCAT, DAT, OAT and GRE.

Texas State University has dedicated pre-health advisors who will meet with students to help them understand and plan for the steps needed to become competitive professional school applicants. The pre-health advisors also host workshops and provide medical and dental school applicants with committee letters. Additional information about pre-health advising at Texas State University can be found on the website for Pre-Health Advising (http://www.bio.txstate.edu/prehealthadvising).

Students seeking admission to medical, dental and physician assistant programs, must complete prerequisite courses as undergraduates in order to gain admissions to these schools. Prerequisite courses change from time to time and may include courses outside of the students' degree plan which may count towards their degree or for federal financial aid. These new concentrations seek to provide students with a set of courses that are aid-eligible and satisfy prerequisite courses for their chosen professional program. In addition, there is no mechanism at Texas State for tracking the number of students who are pre-medical, pre-dental or pre-physician assistant. This information is important for the pre-health advisors, academic advisors, the admissions office, faculty members seeking grant funding from organizations like the National Institutes of Health (NIH), and others on campus. These concentrations will provide a mechanism for tracking how many pre-health students are in majors at Texas State. Information about the concentrations is available in the Department of Biology (http://mycatalog.txstate.edu/undergraduate/science-engineering/biology/#programstext) and the Department of Chemistry and Biochemistry (http://mycatalog.txstate.edu/undergraduate/science-engineering/chemistry-biochemistry/#programstext) sections of this catalog.

There are several student organizations on campus designed to support and encourage pre-professional students. These student organizations provide students with leadership and community service opportunities and help students learn more about the healthcare careers they are interested in. Some examples of these student organizations include: Pre-Med/Pre-Dent Society, Pre-Physician Assistant Society, Medical Explorers, Medical Brigades, Black Health Professionals Organization, JAMP Student Organization, and Women in Medicine.

Texas State University participates in the Joint Admission Medical Program (JAMP). The Joint Admission Medical Program (JAMP) is a special program created by the Texas Legislature to support and encourage highly qualified, economically disadvantaged students pursuing a medical education. Additional information about JAMP can be found at the program website (http://texasjamp.org/homepage.htm).

Texas State University participates in the Dental Early Acceptance Program (DEAP). DEAP is dual-degree program between the UT Health San Antonio School of Dentistry and a few select undergraduate schools that allows students to apply credits earned during dental school to college requirements, allowing students to leave Texas State University and enter dental school one year early, yet still allowing students to earn both a bachelor's degree and a dental degree. This program is intended for students coming straight out of high school with academic excellence and a demonstrated interest in dentistry as a career. Additional information about DEAP can be found at the program website (http://www.uthscsa.edu/academics/dental/programs/deap-program).

Law

Accredited law schools in the United States typically require at least the following from applicants prior to admission:

1. a bachelor's degree,
2. a high cumulative grade point average,
3. a satisfactory score on the Law School Admission Test (LSAT)
4. a personal statement,
5. a resume, and
6. letters of recommendation (preferably from faculty members).

Prelaw students are urged to meet with one of the two Law School Admissions Council (LSAC) prelaw advisors in the Student Learning Assistance Center (SLAC). They help prelaw students create individualized Law School Admission Test (LSAT) preparation plans using SLAC materials; research and select appropriate law schools; and complete personal statements, addenda, and resumes for their Credential Assembly Service (CAS) file. Prelaw and appointment scheduling information are available at http://www.txstate.edu/slac/PreLaw.html

SLAC's prelaw advisors recommend that students considering law school also seek guidance from faculty members on choosing rigorous courses to prepare academically and on identifying and applying for relevant internships. Faculty and staff members that have attended law school serve as valuable resources for students to learn about law school experiences firsthand.

Pharmacy

Pharmacy is a professional program leading to the Doctor of Pharmacy (Pharm. D). Prerequisite coursework required for admission to the professional program may be taken at Texas State. The eight pharmacy schools in Texas (Texas A&M Health Science Center Rangel College of Pharmacy, Texas Southern University College of Pharmacy and Health Sciences, Texas Tech University Health Sciences Center School of Pharmacy, The University of Texas at Austin College of Pharmacy, The University of Texas at Tyler Ben and Maytee Fisch College of Pharmacy, University of Houston College of Pharmacy, University of the Incarnate Word Feik School of Pharmacy, and University of North Texas Health Science Center College of Pharmacy) all require two years of prerequisite courses in chemistry, biology, mathematics, physics, English,

humanities and social sciences, but the exact courses required vary by school. Consequently, it is imperative that pre-pharmacy students consult with an advisor prior to and during their pre-pharmacy program. For more information contact the Department of Chemistry and Biochemistry.

Physical Therapy

The physical therapy profession requires a post-baccalaureate degree in order to practice; Texas State offers a Doctor of Physical Therapy degree program. For more information, contact the Department of Physical Therapy or visit www.health.txstate.edu/pt (http://www.health.txstate.edu/pt). The Department of Physical Therapy does not require a specific undergraduate degree in order to gain entrance into their program. There are two degrees that offer a direct route to completion of the specific course pre-requisites for the DPT program and provide a solid background for health care professionals. The Department of Health and Human Performance offers an undergraduate degree program, the Bachelor of Exercise and Sports Science major in Exercise and Sports Science and a concentration in Pre-rehabilitation Sciences (p. 227). And the School of Health Administration offers an undergraduate degree program, the Bachelor of Science major in Health Sciences (p. 409). Because the prerequisites among DPT programs vary, students should seek specific prerequisites for each program of interests.

Veterinary Medicine

The only College of Veterinary Medicine in Texas is at Texas A&M University. At Texas State, all students must choose a major in one of the 4-year bachelor's programs. While any major is acceptable, majors in Agriculture, Animal Science, Biology or Chemistry most nearly parallel the courses required in the pre-veterinary program. Department of Agricultural Sciences has a specific major in Animal Science (pre-veterinary concentration) that provides course work and animal experience for students planning to enter veterinary school (http://mycatalog.txstate.edu/undergraduate/applied-arts/agriculture/agriculture-animal-science-preveterinary-concentration/).

Advising for students at Texas State who wish to pursue the pre-professional curriculum in veterinary medicine is available by contacting the pre-veterinary advisor in the Department of Agricultural Sciences at Texas State, or by appointment with the College of Veterinary Medicine at Texas A&M University.

Undergraduate Degrees

Bachelor of Applied Arts and Sciences (B.A.A.S.)
Bachelor of Arts (B.A.)
Bachelor of Arts in International Studies (B.A.I.S.)
Bachelor of Business Administration (B.B.A.)
Bachelor of Exercise and Sports Science (B.E.S.S.)
Bachelor of Fine Arts (B.F.A.)
Bachelor of General Studies (B.G.S.)
Bachelor of Health and Wellness Promotion (B.H.W.P.)
Bachelor of Healthcare Administration (B.H.A.)
Bachelor of Music (B.M.)
Bachelor of Public Administration (B.P.A.)
Bachelor of Science (B.S.)
Bachelor of Science in Agriculture (B.S.A.G.)
Bachelor of Science in Clinical Laboratory Science (B.S.C.L.S.)
Bachelor of Science in Communication Disorders (B.S.C.D.)
Bachelor of Science in Criminal Justice (B.S.C.J.)
Bachelor of Science in Family and Consumer Sciences (B.S.F.C.S.)
Bachelor of Science in Health Information Management (B.S.H.I.M.)
Bachelor of Science in Nursing (B.S.N.)
Bachelor of Science in Radiation Therapy (B.S.R.T.)
Bachelor of Science in Respiratory Care (B.S.R.C.)
Bachelor of Science in Technology (B.S.T.)
Bachelor of Social Work (B.S.W.)

Certificate and degree programs are approved in accordance with guidelines provided by the Southern Association of Colleges and Schools Commission on Colleges, the Texas Higher Education Coordinating Board and the Texas State University System Board of Regents.

Undergraduate Majors

The table below lists all undergraduate majors and degrees as they appear on a diploma and a transcript. Please note that a number of these programs have additional options or concentrations available. Program hours depend on degree options selected. Consult the program page inside this catalog for more detailed information.

Major	Degree	Minimum Hours	Minor	Teacher Cert.
Accounting (p. 155)	B.B.A.	120		
Advertising and Mass Communication (p. 298)	B.S.	120	Required	
Agriculture (p. 101)	B.S.A.G.	120		Optional
Agriculture Animal Science (p. 103)	B.S.A.G.	120		
Agriculture Business and Management (p. 105)	B.S.A.G.	120		
Anthropology (p. 454)	B.A.	120	Required	
Anthropology (p. 455)	B.S.	120	Required	
Applied Arts and Sciences (p. 143)	B.A.A.S.	120		Optional
Applied Mathematics (p. 690)	B.S.	120	Required	
Applied Sociology (p. 563)	B.S.	120	Required	
Aquatic Biology (p. 601)	B.S.	120	Required	
Art (p. 255)	B.A.	120	Required	
Art History (p. 256)	B.A.	120	Required	
Athletic Training (p. 231)	B.S.	120		
Biochemistry (p. 621)	B.S.	120	Required	
Biology (p. 602)	B.S.	120	Required	Optional
Chemistry (p. 625)	B.S.	120	Required	Optional
Civil Engineering (p. 654)	B.S.	126		
Clinical Laboratory Science (p. 399)	B.S.C.L.S.	120		
Communication Design (p. 256)	B.F.A.	120		
Communication Disorders (p. 403)	B.S.C.D.	120		
Communication Studies (p. 279)	B.A.	120	Required	Optional
Computer Information Systems (p. 160)	B.B.A.	120		
Computer Science (p. 637)	B.A.	120	Required	Optional
Computer Science (p. 638)	B.S.	120	Required	Optional

Concrete Industry Management (p. 671)	B.S.	120	Required	
Construction Science and Management (p. 672)	B.S.	120	Required	
Consumer Affairs (p. 127)	B.S.F.C.S.	120	Required	Optional
Criminal Justice (p. 113)	B.S.C.J.	120		
Dance (p. 385)	B.A.	120	Required	
Dance (p. 387)	B.F.A.	120		Optional
Digital Media Innovation and Mass Communication (p. 305)	B.S.	120	Required	
Economics (p. 170)	B.A.	120	Required	
Economics (p. 171)	B.B.A.	120		
Electrical Engineering (p. 655)	B.S.	133	Required	
Electronic Media and Mass Communication (p. 309)	B.S.	120	Required	
Engineering Technology (p. 678)	B.S.T.	120		
English (p. 462)	B.A.	120	Required	Optional
Exercise and Sports Science (p. 226)	B.E.S.S.	120		Optional
Fashion Merchandising (p. 129)	B.S.F.C.S.	120	Required	
Finance (p. 173)	B.B.A.	120		
French (p. 577)	B.A.	120	Required	Optional
General Studies (p. 705)	B.G.S.	120	Required	
Geographic Information Science (p. 486)	B.S.	120	Required	
Geography (p. 485)	B.A.	120	Required	
Geography (p. 487)	B.S.	120	Required	Optional
Geography Resource and Environmental Studies (p. 492)	B.S.	120	Required	
Geography Urban and Regional Planning (p. 494)	B.S.	120	Required	
Geography Water Resources (p. 495)	B.S.	120	Required	
German (p. 578)	B.A.	120	Required	Optional
Health and Fitness Management (p. 229)	B.E.S.S.	120	Required	
Health Information Management (p. 413)	B.S.H.I.M.	120		
Health Sciences (p. 409)	B.S.	120	Required	
Healthcare Administration (p. 407)	B.H.A.	120		
History (p. 512)	B.A.	120	Required	Optional
Human Development and Family Sciences (p. 132)	B.S.F.C.S.	120		Optional
Industrial Engineering (p. 660)	B.S.	132	Required	
Interdisciplinary Science (p. 588)	B.S.	132	Required	Yes
Interdisciplinary Studies (p. 201)	B.S.	121		Yes
Interior Design (p. 134)	B.S.F.C.S.	120		
International Relations (p. 434)	B.A.I.S.	120		
International Studies (p. 435)	B.A.I.S.	120		
Journalism and Mass Communication (p. 315)	B.S.	120	Required	
Management (p. 179)	B.B.A.	120		
Manufacturing Engineering (p. 661)	B.S.	129	Required	
Marketing (p. 187)	B.B.A.	120		
Mass Communication (p. 296)	B.A.	120	Required	
Mathematics (p. 689)	B.A.	120	Required	
Mathematics (p. 691)	B.S.	120	Required	Optional
Microbiology (p. 609)	B.S.	120	Required	
Music (p. 351)	B.A.	120	Required	
Music Studies (p. 353)	B.M.	129		Optional
Musical Theatre (p. 391)	B.F.A.	123		
Nursing (p. 418)	B.S.N.	120		
Nutrition and Foods (p. 135)	B.S.F.C.S.	120		Optional
Performance (p. 358)	B.M.	120		
Philosophy (p. 537)	B.A.	120	Required	
Photography (p. 259)	B.F.A.	120		
Physical Geography (p. 496)	B.S.	120	Required	
Physics (p. 698)	B.A.	120	Required	
Physics (p. 699)	B.S.	120	Required	Optional
Political Science (p. 539)	B.A.	120	Required	Optional
Psychology (p. 553)	B.A.	120	Required	
Psychology (p. 554)	B.S.	120	Required	
Public Administration (p. 547)	B.P.A.	120	Required	
Public Health (p. 232)	B.S.	120		
Public Relations and Mass Communication (p. 322)	B.S.	120	Required	
Radiation Therapy (p. 424)	B.S.R.T.	120		
Recreation Administration (p. 233)	B.S.	120		
Respiratory Care (p. 429)	B.S.R.C.	120		
Social Work (p. 147)	B.S.W.	120		
Sociology (p. 562)	B.A.	120	Required	
Sound Recording Technology (p. 367)	B.S.	120	Required	
Spanish (p. 580)	B.A.	120	Required	Optional
Studio Art (p. 260)	B.F.A.	120		Optional
Technology Management (p. 675)	B.S.	120	Required	Optional
Theatre (p. 386)	B.A.	120	Required	
Theatre (p. 392)	B.F.A.	120		Optional
Wildlife Biology (p. 614)	B.S.	127		

Certificate and degree programs are approved in accordance with guidelines provided by the Southern Association of Colleges and Schools

Commission on Colleges, the Texas Higher Education Coordinating Board and the Texas State University System Board of Regents.

Undergraduate Minors

Minor hours required are in addition to the hours required for the student's chosen major. Click the name of the minor to find the course requirements.

Minor	Minimum Hours
African American Studies (p. 444)	18
Aerospace Studies (p. 95)	19
Aging and the Life Course (p. 564)	18
Agriculture (p. 109)	19
Animal Science (p. 109)	19
Anthropology (p. 456)	20
Applied Mathematics (p. 693)	20
Art (p. 273)	24
Art History (p. 274)	18
Biochemistry (p. 632)	24
Biology (p. 615)	29
Business Administration (p. 152)	18
Chemistry (p. 633)	23
Coaching (p. 235)	18
Communication Studies (p. 285)	21
Computer Science (p. 641)	22
Consumer Affairs (p. 138)	18
Criminal Justice (p. 115)	18
Diversity Studies (p. 444)	18
Economics (p. 175)	18
English (p. 474)	24
Exercise and Sports Science (p. 236)	22
Family and Consumer Sciences (p. 138)	18
Fashion Merchandising (p. 138)	18
Forensic Psychology (p. 557)	21
French (p. 586)	29
Geography (p. 499)	19
Geology (p. 499)	27
German (p. 586)	29
Health Communication (p. 285)	21
Health Information Management (p. 415)	22
Healthcare Administration (p. 410)	18
History (p. 530)	24
Horticulture (p. 109)	18
Honors Studies (p. 92)	21
Human Development and Family Sciences (p. 139)	18
International Business (p. 153)	18
International Studies (p. 442)	21
Japanese (p. 587)	26
Jazz (p. 368)	18
Journalism (p. 329)	18
Latina/o Studies (p. 564)	18
Leadership Studies (p. 285)	21
Mariachi (p. 368)	18
Mass Communication (p. 329)	18
Mathematics (p. 693)	20
Media Studies (p. 474)	18
Medieval and Renaissance Studies (p. 475)	24
Military Science (p. 140)	23
Music (p. 368)	18
Music Composition (p. 369)	18
Nature and Heritage Tourism (p. 499)	22
Opera (p. 369)	20
Philosophy (p. 538)	18
Physics (p. 703)	21
Plant and Soil Science (p. 109)	20
Political Communication (p. 286)	24
Political Science (p. 548)	24
Psychology (p. 558)	18
Public Administration (p. 548)	21
Public Health (p. 236)	18
Recreation Administration (p. 236)	18
Religious Studies (p. 538)	18
Secondary Education (p. 211)	21
Social Work (p. 149)	18
Sociology (p. 565)	18
Southwestern Studies (p. 447)	18
Spanish (p. 587)	29
Special Education (p. 211)	21
Sport Psychology (p. 558)	21
Studies in Popular Culture (p. 565)	18
Technology (p. 683)	18
Theatre (p. 397)	18
Value Studies (p. 538)	18
Women's Studies (p. 446)	18
Writing (p. 475)	24

Undergraduate Certificates

Click the name of the certificate to find the course requirements.

Undergraduate Certificate Programs	Department/School	Requirements
Computer Information Systems (p. 165)	Computer Information Systems and Quantitative Methods	18 SCH
Environmental Interpretation (p. 498)	Geography	16 SCH
Geographic Information Science (p. 498)	Geography	19-20 SCH
Location Analysis (p. 498)	Geography	16-18 SCH
Water Resources Policy (p. 499)	Geography	16-17 SCH

In order to receive the certificate, a student must apply for graduation in the semester in which they plan to complete the certificate.

Certificate and degree programs are approved in accordance with guidelines provided by the Southern Association of Colleges and Schools Commission on Colleges, the Texas Higher Education Coordinating Board and the Texas State University System Board of Regents.

Honors College

Dean
Heather C. Galloway, Ph.D.
Lampasas Building Room 407
Telephone: 512-245-2266
www.txstate.edu/honors (http://www.txstate.edu/honors)
Associate Dean
Peter Tschirhart, Ph.D.

The Honors College at Texas State University provides high ability and motivated students with unique and challenging educational experiences. Through strong partnerships with academic units, the college fosters intellectual curiosity and research activity while preparing students to engage meaningfully in our increasingly complex and diverse society.

Honors courses are taught by faculty from numerous academic disciplines and are intended to promote interdisciplinary inquiry, creativity, and a lifetime love of learning. In small seminar- and workshop-style classrooms, students regularly engage with peers and faculty, interrogate assigned readings, embark on field trips, or present their research and creative projects. Through the Honors Independent Study, or the Honors Contract course and the Honors Thesis, students may design their own course of study.

The Honors College encourages students to apply for nationally and internationally competitive awards such as the Truman Scholarship and the Fullbright Program, and honors faculty assist students applying to graduate schools. The college offers study abroad experiences and encourages students to participate. Additionally, the Honors College contributes to the Texas State "Common Experience" through programming, art exhibits, and courses which connect to the theme.

The Honors College is housed in the historic Lampasas building, adjacent to Old Main. The space includes seminar rooms, a student computer lab, a conference room, a multicultural lounge, offices for staff and student academic organizations, the Honors Coffee Forum, and the Gallery of the Common Experience.

Application

The Honors College accepts students on a rolling admissions basis. To apply, visit http://www.txstate.edu/honors. Entering freshmen from the top 10 percent of their graduating class, or those with a composite score of 27 on the ACT or 1270 on the SAT (Math + Verbal) are eligible to apply for admission to the college. Transfer or currently enrolled students with an overall or institutional GPA of at least 3.25 are also eligible to apply.

Graduation

Students wishing to graduate in the Honors College have two paths available for doing so:

1. the traditional Honors College route, which requires 15 hours of honors credit, and a completed Honors Thesis, or
2. a Minor in Honors Studies, which requires 21 hours of honors credit, a cross-cultural experience (such as study abroad), and a completed Honors Thesis.

To remain in the Honors College and to graduate from the program, honors students must also maintain a minimum overall or Texas State GPA of 3.25.

The Honors Thesis encourages students to design a significant research or creative project that is completed under the supervision of a member of the Texas State faculty. Students must present their findings during an undergraduate thesis forum, and completed theses are later added to the digital collections of Alkek Library. Many students find the experience of completing an Honors Thesis valuable as they plan their applications to graduate school and/or applications for post graduate work.

Texas State recognizes students who complete Honors College graduation requirements by including their thesis title in the Commencement program, adding a special annotation to their official transcript, and supplementing their diploma with an Honors College certificate. The Honors College also provides a special medallion, which should be worn during the Commencement ceremony as part of the Texas State academic regalia.

Benefits

Active Honors College students are granted early registration privileges and are encouraged to access specialized honors advising throughout the year.

Students may apply for travel assistance in order to present research at regional and national conferences, and they are eligible for scholarships and research support awarded through the Honors College and Undergraduate Research Fellowship (URF) program. Honors students are encouraged to contribute, as both authors and editors, to the Texas State Undergraduate Research Journal (TXSTUR), a peer-reviewed journal managed collaboratively among faculty and students. Students may also submit research posters to the Undergraduate Research Conference (URC), organized by the Honors College, held annually in April.

Honors College Faculty

The Honors College builds on the strength of master teacher-scholars from across campus, including faculty who have received Presidential Excellence, Piper Professor, Fulbright Fellowships, and other awards for their writing, research, teaching, and service to the community. A list of current faculty can be found on the Honors College website.

Courses in Honors

Honors College courses represent many different academic departments and incorporate interdisciplinary points of view. Because enrollment is limited, honors courses often utilize a seminar or workshop format that encourages students to engage in discussion, demonstrate problem-solving skills, and communicate their work orally, in writing, and through creative projects.

Some honors courses satisfy general education core requirements or fulfill requirements in various majors and minors. All courses with "HON" prefix count as writing intensive. Recent offerings include Political Ecology of Science Fiction; Interdisciplinary Perspectives on Creativity; The Mathematics and Statistics of Gambling and Sports Betting; Philosophy, Politics, and Economics; Balinese Music & Its Cultural Context; Hell Across Cultures; Comics, Cartoons, and Contested Racial Identities in U.S. History; Entrepreneurial Design; Idea Lab: Redesigning the Campus Experience. All courses affiliated with the Honors College are expected to promote active learning and independent inquiry.

Honors Course Proposals

New course proposals are accepted on an annual basis and are reviewed by an Honors committee. With approval, faculty may also request that existing departmental courses be offered as an Honors College sections; these courses are designated in the online system with an "H" section prefix. Honors courses offered directly though academic departments will follow the same curriculum but include additional depth in subject matter, encourage engagement with faculty, and promote student research and creative activity. Possible course modifications include independent research, group projects, papers, and fewer multiple-choice exams.

Honors Course Contract

The Honors Course Contract Application allows any Texas State course at the 3000 or 4000 level to receive Honors credit. A completed application requires concurrent approval of the student, faculty instructor, and Honors College. With the instructor's guidance, students seeking honors credit complete at least 15% work beyond the requirements set forth in the syllabus and they must earn a 'B' or better for their final course grade. Students may also request to have independent study courses in other departments count as Honors credits using the Honors Course Contract Application form. Completed contract courses will receive a designation of "Honors work included" on the student's transcript.

Minor

- Honors Studies (p. 92)

Courses in Honors (HON)

HON 1390C. Greek Civilization: The Trojan War and the Western Imagination.
The course will introduce students to Greek civilization and its impact on the western world by examining how one theme central to the Greek literary imagination-the Trojan War-influenced the development of later western literature. The course studies major texts in the Greek literary canon. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 1390D. Ideal Societies I: The Greek Experience.
Culture and Civilization in 5th century Athens. The Greek Experience: towards a new vision of human nature and of society. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 1390F. Economic Thinking: Personal Values, Social Choice & Rational.
This class explores the sociological and philosophical effects operating in conjunction with economic decision-making. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 1390H. Understanding Communication & Technology.
The course is designed to focus on skills, research and theories about the relationships bwtween technology and communication behavior. It teaches face to face communication skills in the contemporary technological environment. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 1390I. Role of the Storyteller in Society: Promoter, Protector or Provcateur.
The course focuses on the role of the storyteller from ancient times to the present. Students will cultivate an appreciation for the oral tradition in the shaping of history, cultural identity, social mores and personal values. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2301A. Writing to Change the World.
This course examines communication through writing to promote positive change in the world. This course will enable students to communicate their own arguments appropriate to the subject, occasion and audience. Students will choose a global issue on which to focus their writing, and perform related community service. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Communication Core 010|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2301B. Writing Yourself into Academia: Creating Portraiture.
By studying a person, a group of people, an institution, or a concept, students will create carefully researched written "portraits" that integrate personal narrative, interviews, and academic research. Students will communicate their own arguments and develop ideas about the effect of the message to foster understanding and to communicate persuasively. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Communication Core 010|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2302A. Elementary Number Theory.
This course engages students in the systematic study of problems in elementary number theory using definitions and logical deductions from these definitions. Emphasis will be on developing critical thinking and applications to modern problems. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2302B. Graph Theory and Applications.
This course engages students in the study of important topics in graph theory through it's applications and through proofs designed to strengthen mathematical techiques. The course will emphasize developing critical thinking and applications to modern problems. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2303A. Teaching Physical Science to Children.
Course content includes both physics concepts and research findings on physics teaching and learning. Students will develop a deep understanding of fundamental concepts in physical science and how these concepts relate to making sense of everyday experiences. This studio-styled physics course is ideal for pre-service K-8 teachers. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2303B. Astronomy in Art, History, and Literature.
In this class, students will combine astronomy and the humanities. They will create computer simulations of past celestial events. These results will be combined with evidence gathered from primary sources to investigate how astronomy affected history or appeared in the historical art or literature. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2303C. Building a Greener Future: One Home at a Time.
Students will use basic scientific principles to investigate resource usage in our daily lives from the production of electrical energy and construction of housing to daily consumption including HVAC systems and major utilities. Students will compare energy conservation programs across the globe and evaluate how public policy effects energy consumption. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2303D. Everyday Biology.
This course provides the non-science major with a strong foundation of scientific methods and basic biological concepts. Special emphasis is placed on reviewing biological concepts relevant to everyday life (both current and future) including disease, evolution, genetics, biotechnology, diet, and environmental biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2304A. The Meaning of Death.
By examining the moral and existential questions raised by our own mortality, students in this course will practice critical thinking and examine the variety of human responses to and understanding of death by focusing on how ideas, values, beliefs, and other aspects of culture express and affect human experience. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lang, Phil & Culture Core 040|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2304B. Eating Animals in America: Historical and Philosophical Perspectives.
This course examines the changing nature of, and views about, the production and consumption of animals in America from the 18th century to the present. The course will focus on the ethical and philosophical issues raised by eating animals. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lang, Phil & Culture Core 040|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2304C. Nonviolence and Sustainable Social Change.
This course examines nonviolence as the systematic endeavor to break cycles of violence, poverty, and racism. The course will focus on investigating the ongoing force of such cycles and to formulate effective understandings for subverting and reversing such trends to offer productive contributions toward more sustainable human development. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lang, Phil & Culture Core 040|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2305A. African American Popular Music: Society, Politics, and Culture.
This course is a reading-, writing-, and listening-intensive interdisciplinary survey of African-American popular music in America and its relationship to American culture, society, politics and the other arts. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2305B. Women and Texas Music.
This course examines the lives and creative contributions of Texas women composers, performers, historians, and patrons, and their roles in the promotion and advancement of the arts, especially music, in Texas. This course will address topic-related issues of class, race, and identity formation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2305C. Italy and Arts of the Islamic World.
This course focuses on the interpretation of art in its historical context, introducing students to visual analysis and art historical interpretation to understand related scholarship exploring the relationship of Italy to the Islamic world in the medieval and Renaissance periods. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2305D. Honors Creative Arts.
Students in this course develop broad familiarity with creative arts disciplines through project-based learning. Each project is rooted in a "real world" challenge familiar to the disciplines of art, music, theatre, and dance. To propose a tractable solution, students consult with experts and evaluate significant cultural-historical artifacts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2306A. American History Through Memoirs.
Through studying memoirs this course focuses on American history since the end of the Reconstruction period. The memoirs, depicting interactions among individuals, communities, states, the nation, and the world, provide an understanding of how these interactions have contributed to the development of the United States and its global role. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): American History Core 060|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2306B. Baseball and the American Experience.
This study of baseball focuses on American history since the end of the Reconstruction period. As a testing ground for the persistence of racial prejudice and the expansion of civil rights, and with advances in technology and management structure, the study of baseball will expose the American experience. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): American History Core 060|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2306C. America in the 1960s: A History of Movements and Ideas.
This course in the history of American social and protest movements from the end of Reconstruction through Occupy focuses in particular on the movements of the 1960s - the Civil Rights Movement, the New Left, the Women's and Homosexual Liberation Movements, and the Counterculture - and their enduring legacies in contemporary society. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): American History Core 060|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2306D. Witches, Whores, Murderers & Thieves: Capital Crime in Early America.
This course is an in-depth investigation into the social and legal culture of Early America through the study of microhistories. In this course, we will concentrate on a series of capital crimes, ranging from murder to witchcraft. The period will be the 17th century through 1850. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): American History Core 060|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2306E. Early American History Through Biography.
This course will examine early American history, from colonial times through 1877, through the lens of biography. Students will not only read biographical works on past figures but also analyze autobiographical writings that shed light on their lives. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): American History Core 060|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2306F. Rethinking American Exceptionalism.
This course introduces students to the major political, economic, social, intellectual, and cultural developments in American history through Reconstruction with a special emphasis on the origins and evolution of the tradition of American exceptionalism. Students will evaluate America's national ideology through an analysis of primary source documents and scholarly debate.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): American History Core 060|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2307A. Democracy in America.
This course is a study of functions performed in the American system of government, understood through the framework of Democracy in America, Alexis de Tocqueville's seminal study of American social and political life, the nature and distinctive character of modern democratic societies, and the problems and perils these societies confront. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Govt/Pol Science Core 070|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2307B. Contemporary Issues in American Politics.
In considering conflicts between liberty and equality with emphasis on how these principles are defined within the American system of constitutional, students will examine literature addressing race, gender, class, and sexuality in relation to events such as national elections, and to works in modern and contemporary political thought. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Govt/Pol Science Core 070|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2308A. Economic Anthropology.
This course covers central issues in economic anthropology including the production, exchange, distribution, consumption, property, economic surplus, inheritance, and types of economic structure in various cultures. Materials will cover hunter-gatherer societies, simple agricultural societies, pre-capitalist complex state societies, and issues of development in non-industrial countries. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309A. Origins of Civilization.
By studying literary, mythic and philosophical works selected with special attention to narratives about the origins of humanity and civilization, students will encounter a variety of explanations of human existence. The course will broaden students' perspectives and provide insight into the background of contemporary world cultures. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309B. Re-Humanizing Communication.
This course examines technology's impact on human communication. Students will examine their dependency on technology in order to re-humanize communication. Students will learn to express ideas through the development of interpersonal, small group, and presentational communication skills, developing command of oral, aural, written, and visual literacy in appropriate contexts. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Communication CAO 091|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309C. Great Ideas: Humanities I.
By studying classical foundational texts in Western culture from interdisciplinary perspectives, students will understand the origin of great ideas and relate them to today's world. Texts are chosen around a particular theme by a team of instructors to focus on the earliest recorded works up to the Renaissance. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309D. Magic Realism in the Works of Gabriel Garcia Marquez.
A study of selected works of Nobel Prize author Gabriel Garcia Marquez, this course offers unique insights into Latin American culture, filtered through the literary and journalistic vision of Colombia's world renowned author. Additional readings and films emphasize the complex nature of the Latin American culture and literature. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309E. Preserving Humanity in the Face of Conflict: The War Story Genre.
This course provides students the opportunity to consider the human impact of several global conflicts that have occurred over the past forty years by focusing on novels, short stories, essays, and a memoir written about post-World War II conflicts in Vietnam, the Balkans, Iraq, and Afghanistan. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309F. CS Lewis: Chronicles of a Master Communicator.
This course uses the writing and life of C.S. to examine communication theory and principles. Lewis's work as a speaker, teacher, broadcaster and educator provides a comprehensive body of work that students can evaluate as they master and apply rhetorical and communication theories. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Communication CAO 091|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309G. Nature and the Quest for Meaning.
The class focuses on American nature writing to recognize how authors communicate about nature. Students will examine the ways in which human beings experience the natural world - as an object of study, as a reflection of themselves and as a lens to look for meaning in their lives. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309H. Great Ideas: Humanities II.
By studying foundational texts in Western culture from interdisciplinary perspectives, students will understand the origin of great ideas and related them to an understanding of today's world. Texts are chosen around a particular theme by a team of instructors to focus on works from the Early Modern period to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309I. Plotting the American Experience.
An in-depth critical study of plot in major contemporary American novels and stories from the last 20 years, both as a driving force in the works and as a reflection of the American moment in which each was written. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309J. Memoirs from Lives off the Neurotypical Map.
To understand the growing neurologically differently abled/disabled, -ordered, and mentally different/ill population and our perceptions of them and ourselves, we will analyze memoirs and aesthetic works by this true fringe group and consider what being fundamentally different means, and how labels affect people in and out of the neurotypical majority. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309K. The Death Plot: Fiction, Memoirs, Poems.
Students will read, discuss, and write about poems, fiction, and essays to analyze the end of life. Analysis will encompass literary, sociological, and psychological perspectives on death. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309L. Communication and Consumer Culture.
This cultural study of the turn of the twentieth century in America focuses on advertising and popular cultural messages. Students will analyze the new culture of consumerism as they develop knowledge about communication theory and strategies and practice their own communication skills. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Communication CAO 091|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309M. From Jay-Z to Kendrick Lamar: Politics, Power, and Identity in Hip Hop Literature.
Students will read, discuss, and write about the poetry of Jay-Z and Kendrick Lamar along with other texts to analyze the artists' political engagement, power to effect change, command of language, and struggle with identity formation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309N. Don Quixote and the Birth of the Modern Novel.
An in-depth study of 16-17th century Spanish, medieval, Renaissance, and Baroque ideas, values, and culture in the study of Cervantes' Don Quixote, the first truly modern novel. Students will examine the novel's literary antecedents and its reception through the twenty-first century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309O. Talking Like TED.
This course develops presentational speaking and storytelling skills through the lens of TED Talks. Students will view and discuss well-received TED Talks and practice the verbal and nonverbal behaviors related to effective communication. This course also focuses on interpersonal and small group communication skills related to presentational speaking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Communication CAO 091|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309Q. Honors British Literature.
Students will read and analyze representative authors and works from British Literature. The course examines works in historical, social, and cultural context as a record of human experience. Courses employ a variety of teaching methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2380F. Introducatino of Complementary/ Alternative Medicine.
The course introduces students to complementary/alternative medicine (CAM) and its integrate with the traditional health care system. Emphasis is placed on historical, cultural, social, research and consumer aspects of CAM. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2380H. Building a Greener Future One Home at a Time.
This course will focus on the science and engineering principles involved in building and maintaining a house. Students will investigate how choices of materials and design influence the cost, sustainability, and energy efficiency of housing. Laboratory experiences will develop these concepts and enable students to make common household repairs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2380J. Applying Statistics to Your World.
This course engages students in active learning through statistical software, research studies, and simulations. Students will explore the elements of statistical thinking by collecting, modeling, and drawing conclusions from data while taking into account the nature of variability. Emphasis will be on engaging with real data and understanding statistical conclusions. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2390F. History of Ideas II: New England Roots of American Culture.
An examination, through reading of significant works as well as a trip to important sites in New England, of the roots of American culture as it was influenced by the Puritans and Transcendentalitsts. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2390K. An Introduction to Arab Culture.
This course will focus on educating students about different aspects of the Arabic culture. The relation between the Arabic language and the Arabic culture will be introduced through the discussion of cultural expressions. The course will also touch on the relation between the culture and Islam for the students to be able to differentiate between what is cultural and what is religious. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2390L. An Introduction to to Islam.
This course will focus on educating the students about basic history and cultural practices related to Islam, the prophet of Islam and Islam's holy book, The Koran. It will also focus on the relationship between the Arabic language, the Arabic culture and Islam so the students will be able to distinguish between what is cultural and what is religious. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2391B. Role of Images in Mediating Reality.
This course teaches students about subconscious influences on their perceptions of reality and their behavior, and the fundamentals of visual literacy by introducing students to visual literacy. Seeing is an avenue to higher-order thinking processes that will help students meet the professional, cultural and personal challenges of media. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2391P. Spirituality and Religion: A Contemporary Global Perspective.
This course examines spirituality and religion as a universal component of human life, explores the world"s major faith traditions, investigates personal and cultural biases to allow students to expand their global perspectives. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3380A. Design Thinking and the Art of Product Development.
Students will explore the use of design-thinking and human-centered design methods for developing new products and services. The course will focus on techniques and methods to articulate problems from a customer's point of view and will also explore contemporary methods organizations use to manage product portfolios and risk management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3380B. Idea Lab: Redesigning the Campus Experience.
In this problem-based seminar, students become active change agents by utilizing design-thinking and other pedagogies to address specific challenges impacting the campus experience. Design-thinking draws upon diverse disciplines and methodologies, takes a human-centered approach to problem solving, and asks students to "prototype to test." All majors and backgrounds are welcome.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3390H. Nature of Society: The Problem of Evil.
The course will consist of a study of arguments and counterarguments about whether it ia reasonable to believe in an all-knowing, all-powerful, and all-good God, despite the appearance of gratuitous evil. All major attempts to solve or dissolve the problem will be considered. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3390J. The Nature of Society: Don Quijote and the Birth of the Modern Novel.
An in-depth study of Cervantes' Don Quijote, its literary antecedents, and its reception through the twentieth century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3390K. Modern Democracy & Its Enemies.
This course will focus on the key characteristics of 21st century democracy and the internal and external threats that challenge its health and continued existence. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3390P. Hollywood Amnesia.
The course is designed to focus on films involving the topic of memory loss. Students will analyze the phsychological, social and political considerations underlying this trend in time. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3390T. Frederico Garcia Lorca: Politics and Passion.
Life and works of 20th century Spanish playwright and poet as a focal point for study of Spanish history, Andalusian folklore, gender and society, and literary styes. Themes are Spanish Civil War, gypsies and Flamenco music, surrealism and oral poetic traditions. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3390X. Investigating European Film: From Cultural Politics to Strategies of Desire.
This course examines the vision of the United States that European filmmakers developed. Course topics will include the American myth, the figure of the star, the status of the foreigner and the identity politics supported by film production. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Multicultural Content|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3390Y. Theory of Language: Language, Mind and the making of Reality.
The course is designed for students to gain an understanding of psycholinguistics, providing insights into human cognition and how the mind creates meaning through study of syntax, semantics, pragmatics and metaphors. The course seeks to find universal principles of cognition that make human language and communication possible. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Multicultural Content|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3391B. The Nature of Man: Shaping of the Modern Mind.
This course explores the ideas and institutions that have created our modern conception of the world. The course examines the importance of industrial change, our interest in science and technology, the insights of the social sciences, and new philosophies about human kind and the human condition. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3391W. Service Learning: A Study Abroad Course.
This study abroad course will center on students' experiences volunteering with non-profit and/or government institutions abroad. Discussions and written assignments will provide opportunities to analyze the volunteer experiences. Field trips will provide cultural components to add to the discussion and written assignments. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392M. The New and Literary Journalism.
The new literary journalism examines the genres of the new and literary journalism in light of literature; certain eras in reportage, i.e., war dispatches, philosophy, and the social sciences, among other disciplines. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392N. Modern Organizations' Perspectives.
The course provides a conceptual and practical perspective on Modern Organizations. It is designed to stimulate the student's curiosity about management practices of companies pursuing a competitive advantage through modern philosophies, and to identify potential areas to apply their chosen field of study. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392P. The Nature of the Human Experience: Technology & Gender in Film.
Gender and Technology in Film will include a survey and analysis of films and theoretical and literary texts, with a focus on how gender, technology, and body images are depicted in film. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392R. Teaching Children to Write Poetry.
A study of books by Kenneth Koch describing his work and lessons teaching poetry to children for the past 30 years. Students will examine his ideas about the importance of teaching poetry to children, using classical poetry as well as lessons that draw forth a creative response from children. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392T. The Nature of the Human Experience: Integrated Marketing Communications.
Integrated marketing communications is an interdisciplinary course designed to acquaint students with the principles and practice of integrated marketing communications. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392V. Nature of Man: Elementary Number Theory.
This course is the systematic study of problems using definitions and logical deductions from these definitions. Elementary number theory provides an ideal medium for such a study since all basic types of mathematical proofs occur in a setting requiring no prior background. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392X. The Nature of the Human Experience: The Contemporary African Novel in English.
Novels by contemporary African writers from West Africa, East Africa, and Southern Africa will be read and discussed. The class will also study the effects of colonialism on traditional African cultures. Students will consider problems of language in the African novel. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392Y. The Nature of the Human Experience I: Immortality.
Is it reasonable to believe in life after death? The course will consist in attempts to answer this question with rational arguments. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3393F. The Nature of Man: Communication & Culture.
This course is a cultural study of the turn of the twentieth century, with a focus on a critique of advertising and popular culture messages that communicated the new culture of modernism to an America in transition. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3393J. Sex, Drugs & Cabaret.
This seminar considers European life in the years around 1900. Students will examine "high" modernism's themes, including: Urban experience, nationalism, anti-semitism, and explorations of sexuality in social science, law and the arts. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3393N. Violence in American Culture.
The study of the life, times and thought of geniuses, focusing on the origin and evolution of their ideas and works and its effect on culture and civilization. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3393S. Entrepreneurs, Leaders, Teams: Best Practices.
Writing Intensive seminar examining the "life stories" of selected entrepreneurs, identifies leadership qualities that may have contributed to success, and explores principles necessary for groups to become teams and for teams to become high performing. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3393T. The Voices of Eros in Poetry.
This writing-intensive seminar examines erotic reality through the most private and intense verbal art - the poem. It explores philosophy, visual arts and religion in poetry. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3393V. Science & Politics of the Human Diet.
This writing-intensive seminar on nutrition provides an exciting and personally relevant venue for learning science. Learning is based on scientific literature, dietary assessment, field trips and experimentation in a food science lab. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3393Y. Ethics of Care - East and West.
This course compares contemporary western feminist ethics and ancient eastern thoughts regarding care. Each stresses personal relations, and high moral value placed on care. The course is interdisciplinary and studies gender and multicultural issues through a focus on care giving. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394C. Japanese Urban Experience.
This course introduces students to urban Japanese life and culture through history, anthropology, literature, and film. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394G. Jazz: Cultural Diversity, Psychological & Political Zeitgests.
This course is intended to help students appreciate cultural diversity and common unifying experiences leading to jazz, a uniquely American musical form. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394I. East Asian Tourism Today: Invention, Culture & Heritage.
This course uses several disciplines to introduce students to the dynamics surrounding tourism in East Asia at the opening of the 21st century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394J. Disturbing the Peace: The Politics of Language & Power in Hip-Hop Culture.
This course introduces students to the language, film, literature, fashion, identity, and politics of hip-hop culture. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Multicultural Content|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394N. Introduction to the Humanities I.
This team-taught, interdisciplinary course examines the dilemmas that arise when indivdiual desires conflict with the needs of society. Students analyze exemplary, original texts from the humanities tradition from the Classical period through the early modern era using the perspectives of literature, political theory, history, and philosophy. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394P. Individuals & Society: Intro to Humanities II.
This interdisciplinary course examines the dilemmas that arise when individual desires conflict with the needs of society. Students analyze exemplary, original texts from the humanities tradition from the Enlightenment through the present using the perspectives of literature, political theory, history, and philosophy. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394Q. Modern Drama: Theatre of Revolt.
This seminar and process-oriented course examines the era of modern drama (late 19th-20th century) through text and performance. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394R. Modern Art & Life: A Curatorial Seminar.
This interdisciplinary course examines the intersection of art and life in the careers of artists who contributed to the birth of modern art. Students will learn about modern art's history and museum operations as they help to curate a major exhibition based on works in a local collection. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394T. Social Class Collison: the Post WWII British Novel of Manners.
Using six novels, this course explores the social landscape of Britain when once-rigid class distinctions dissolved during WWII. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394V. Universal Human Rights: A Global Perspective.
This course will examine universal human rights as an organizing framework for understanding the exceedingly complex global community in which we live today. It will examine significant social, political, philosophical, historical, legal, economic, geographic, and cultural factors that impact universal human rights. It will provide an overview of the challenges in implementing universal human rights, explore effective efforts to redress inequity, and examine opposing viewpoints. Finally, it will encourage students to engage in a critical intellectual inquiry and personal self-reflection. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394X. Magic Realism in the Works of Gabriel Garcia Marquez.
A study of selected works of Nobel Prize author Gabriel Garcia Marquez, focusing on literautre, history, politics and popular culture of Latin America. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394Y. The Quest for the Sacred in a Secular Age: Late-Modern Novels.
The Protestant Reformation weakened the notion of a homogeneous, central religion, as did the theories of Charles Darwin and Sigmund Freud. Yet the sense that God was no longer a collective concept but a private belief didn't seem mainstream until the twentieth century. We will study five novels that explore this shift. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394Z. The Black Image in Postwar America.
This course explores the complex ways in which blackness has been figured and represented in postwar American as well as some of the strategies that have been used to respond, intervene, and subvert these frequently monolithic representations. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395B. Integral Ecology.
This course explores multiple issues associated with the development of integral ecology, an emerging metadiscipline rooted in a perception of reality that goes beyond traditional scientific rationalism to an intuitive awareness of the oneness of life, the interdependence of its multiple manifestations, and its cycles of change. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395C. Fibers to Fabric: the Interlacing of History, Science, and Technology.
This course focuses on the role of fiber products in the development of civilization and technology. Through interdisciplinary investigations, the course seeks to provide an in-depth understanding of fiber science and place current technological, social and environmental issues surrounding textiles in historical perspective. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395F. Museum Representaions.
This course explores how cultural and aesthetic values, history, and the scientific record are constructed and interpreted by the process of representation in museum exhibits. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395G. 19th Century German Lieder.
This course explores the poetry and the music of Lieder to propose text-music relationships. This course will explore the genre--its history, primary composers, and its continuing tradition into the 20th century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395H. Creating and Teaching Mathematical Lessons.
This course provides students the opportunity to create and teach mathematical lessons for children that integrate algegra and geometry -- building their own mathematical understanding using inquiry based methods. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395I. Ever Since Darwin: Celebrating Darwin's 200th Birthday.
This course explores Darwin's quest in arriving at the theory of natural selection, his reasoning and evidence, as well as flaws and fallout. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395J. The Meaning of Death.
How does the fact that we will die affect the possibility of our living a meaningful life? In this course we will examine answers to this question provided by philosophers, psychologists, literary writers, and film-makers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395L. Summer Study in France.
Summer Study in France offers an intensive 35 hours a week, integrated program of oral and written French, phonetics and civilization, designed for intermediate students and supplemented with cultural activities. In addition, a week in Paris introduces students to the French architectural and artistic legacy. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395M. Humanity and the Natural Environment: A Study of Interrelationships.
An interdisciplinary introduction to the interdependence between humans and their natural environment, emphasizing linkages between human activities and their impacts on environmental resources and sustainability, including the ecosystem goods and services provided by a healthy environment. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395P. Preserving Humanity in the Face of Conflict: the War Story Genre.
This course provides students the opportunity to consider the human impact of several global conflicts that have occurred over the past forty years by focusing on novels, short stories, essays, and a memoir written about post-World War II conflicts in Vietnam, the Balkans, Iraq, and Afghanistan. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395Q. Vishnu, Bollywood, and Masala: South Asian Literature in Context.
This course explores the culture of South Asia via its highly provocative literature, including religious texts such as The Bhagavad Gita, as well as contemporary texts by writers such as Salman Rushdie and Manil Suri. We will contextualize our literary discussions by examining the region's history, religious history, religions, and culture. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395R. Hip-Hop Culture and Positive Youth Development.
Hip-Hop culture is examined within the context of human development over the life course. Cultural dynamics are examined alongside the social and political history of the United States. Through the lens of Hip-Hop, students will use skills in reflection, discussion and creative expression to develop strategies for personal growth and well-being. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395S. Geographies of the Holocaust and Genocide.
This course examines the Holocaust as a complex historical event and frames the Holocaust in the context of, and in comparison to, other genocides. The course is explicitly geographical in methods and subject matter, focusing on how the Holocaust and genocide are planned, implemented, and experienced differently in different places.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395V. Introduction to LGBT Studies: An Interdisciplinary Approach.
This course is an introduction to LGBT Studies, combining three academic disciplines: social, political, and historical; drama and fine arts; and English and Queer Theory. These disciplines will be integrated throughout the semester to assist student in developing a perspective of local, national, and global LGBT themes and issues. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395X. Writing Yourself into Academia: Creating Portraiture.
Portraiture is a cross-genre research methodology in which writers study a person, a group of people, an institution, or a concept. Students will create carefully researched portraits that integrate personal narrative, interviews, and academic research. Portraiture values students' lived experiences and has roots in anthropology, sociology, journalism, and creative nonfiction. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395Y. Juke, Twang, and Shout: Popular Music and Race in the U.S. South.
Amongst the genres of American popular music, styles heavily associated with the U.S. South tend to predominate, and the history of each seems to be entangled with that region's contentious racial history. This course will engage the history of musical production and performance in the South while also examining the hagiography of the South, its music, and its people. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396B. Playwriting: A Structured Approach to Writing for the Stage.
This course develops the basic professional techniques and skills used in writing for the theatrical stage. Students analyze scripts and perform practical exercises in story and character development, study dramatic play and structure and develop a full-length dramatic play. Weekly readings and critiques assist writers in refingin their scripts. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396C. Screenwriting: A Structured Approach to Writing for the Screen.
This course develops the basic professional techniques and skills used in writing for the screen. Students analyze contemporary scripts and perform practical exercises in story and character development, study screenplay structure and format, and develop a full-length dramatic screenplay. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396D. Mythology, Science and Creation.
Using religious studies scholarship on myth, the course surveys creation mythologies from around the world. Native American, African, Near Eastern (including Biblical), Greco-Roman, Old European, and Asian Myths will be included. Cosmological myths will then be compared to scientific cosmology and the current model(s) of the Universe's origin. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396E. Free Speech, Free Press and the Supreme Court of the United States.
This course focuses on U.S. Supreme Court decisions related to the First Amendment and the five rights of religion, speech, press, assembly and petition. By examining how the high court has interpreted the First Amendment, students will learn about government's sometimes wavering commitment to our nation's most cherished rights. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396F. The Art of Storytelling: From Origins to Improv.
This seminar examines the art and culture of storytelling from ancient to contemporary times. Students read and analyze stories from oral and written traditions and develop skills in creating and applying storytelling in social, business, political and entertainment environments. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396J. Transforming Creative Art: Literature in Performance.
This seminar/workshop course examines the process of transforming literature into performance. Through close reading and analysis, students develop a critical understanding of the literary, sociological, and cultural attributes of a written work, and then develop approaches to transforming and presenting the work in performance-readings, dramatic productions, movies, improvisations. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396K. Hispanic Americans: Finding Their Identities and Their Voices.
This course is an examination of critical moments in American social history that defined the Hispanic American social, political, educational, literary, and cultural experience, and how these experiences continue to impact Hispanic American identities and voices. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396L. Early American History through Biography.
This seminar will acquaint students with major issues and events in early American history through the study of biography and autobiography. Students will study the lives of the individual, both prominent and lesser-known, from the American past, and these lives will be examined in the context of the larger historical narrative. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396M. Transforming Creative Art: Literature in Performance, Presenting Later Shakespeare.
This seminar/workshop series examines the transformation of literature into performance using three examples from Shakespeare's later plays. Through close reading and analysis, students develop a critical understanding of literary, sociological, and cultural attributes of written works, and then develop approaches to transforming and presenting the works into dramatic performances. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396N. American History Through Memoir: From the End of Reconstruction to the Present Day.
This seminar offers participants engagement with recent American history through the study of memoirs from a broad range of viewpoints. Seminar participants will be responsible for providing contexts for teh readings from within the secondary literature, while the featured memoirs will relate recent American history "from the margins": including voices of Native peoples, African-Americans, political and cultural dissidents, and recent immigrants. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396Q. Public Policy for Energy, the Environment, and Global Sustainability.
This course provides an interdisciplinary introduction to U.S. policy for energy, the environment, and sustainability. Emphasis will be placed on understanding the laws, regulations, and treaties that oversee air and water pollution, solid waste, hazardous waste, energy use, natural resources, climate change, and global governance for energy, environment, and sustainability. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396R. Sustainable Design and the Built Environment.
This course examines contemporary issues of where we live and the interdependence of our home on the environment. Sustainable principles shall be emphasized with reference to social, economic, and ecological issues of the built environment. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396T. How We Decide: Making Decisions from the Inside Out.
This interdisciplinary seminar enlightens students on the decision-making process using contemporary research from neuroscience, psychology, management, healthcare, etc. From this foundation students will examine case studies at the individual, group, and societal levels, and they will evaluate a cross section of decision aids such as heuristics, ethics, and computers. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396U. From White Slavery to Sex Trafficking.
This course seeks to historicize the global migration of sex workers and the modern-day anti-sex trafficking movement by tracing the origins of the anti-white slavery movement in the late nineteenth century to the debates about sex work and sex trafficking of the twenty-first century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396V. Witches, Whores, Murderers & Thieves: Capital Crime in Early America.
This course is an in-depth investigation into the social and legal culture of Early America through the study of microhistories. In this course, we will concentrate on a series of capital crimes, ranging from murder to witchcraft. The period will be the 17th century through the Age of Jackson. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396W. The Dragon and the Spaceship: Fantasy, Utopia, and the Fiction of Estrangement.
This is a course on world literature that looks specifically at otherworldly literature, including works frequently categorized as fantasy, utopia or dystopia, and science fiction. We will look at mostly modern texts written after 1800, with an emphasis on twentieth-century writers. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396X. Storytelling in Video Games.
This course will examine how stories are crafted to fit the new interactive media of video games, how these new stories resemble traditional stories from the literary canon, and how these unorthodox plots, characters, and games are used to create a new form of literature. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396Y. Urban Horticulture.
This course introduces the role urban landscape and the regional environment play in the quality of life. Students will consider commercial products, services of Horticulture, and people-plant interactions related to art, science, and practice. Students will learn the importance that land use decisions have on the sustainability of the environment. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396Z. Eating Meat in America: Historical and Philosophical Perspectives.
This course has two aims: first, to introduce students to the changing nature of, and views about, the production and consumption of animals in America from the 18th century to the present; second, to introduce students to the philosophical issues that eating animals raises. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397A. Revolution, Malaise, Reaction, and Sleaze: America in the 1970s..
This course revisits the reputation of a decade. Many recent commentators have claimed the Seventies as a pivotal historical moment. We will engage questions regarding why this is so, and how an understanding of the 1970s helps us to orient ourselves in the contemporary political, economic, and cultural milieu. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397B. Plotting the American Experience.
This course is an in-depth critical study of plot in major contemporary American novels and stories (1985-present), both as a driving force in the work(s) and as a reflection of the American moment in which each was written. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397C. Geography of Africa.
This course is a systematic approach to the multifaceted aspects of the physical and human geography of the African continent. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397D. Urban Immersion: Seeing Cities through Cinema.
This course explores themes in urban studies using full-length films and selected readings. Students will study the geo-political, economic, and socio-cultural dimensions of cities. Using cinema as a pedagogical tool immerses students in the urban experience more than traditional instructional methods, resulting in a richer understanding of the subject. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397E. Literary Barcelona.
With Franco's 1939 victory, the Catalan language was banned from public use. This course will explore the undeservedly disadvantaged work of modern Catalan writers, and investigate texts, such as George Orwell's Homage to Catalonia, which stress Catalan social realities and affirm Barcelona as a place of literary imagination and vitality. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397F. America vs. the World: The History of a Love-Hate Relationship.
This course explores the complex relationship between America and "the rest of the world" through an examination of the twin discourses of "American Exceptionalism" and "Anti-Americanism" from the time of European contact with the New World up through the post 9/11 era. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397G. Memoirs from Life Off the Neurotypical Map.
To understand the growing neurologically disabled, disordered, and mentally ill population and our perceptions of them and ourselves, we will analyze memoirs and aesthetic works by this true fringe group and consider what being fundamentally different means, and how labels affect people in and out of the neurotypical majority. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397H. International Culture Course: the cultural characteristics and diversity of people outside the US.
This study abroad course will cultivate student knowledge of the similarities and differences among international cultures, values, traditions, beliefs, and customs. Discussions and written assignments will provide opportunities to understand the cultural achievements and human conditions of a specific target country. Field trips will provide experience of cultural components. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397I. A Cultural History of Mexico in the 20th Century.
This seminar will investigate the landscape of state and culture in the Republic of Mexico in the 20th Century and explore the creators, as well as the political supporters and detractors, of popular culture in terms of the fine arts, plastic arts, dance and theatre arts, poetry, music, literature, and photography. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397J. Extraordinary Leadership: Ownership and Influence.
This course is designed to elevate the performance of leaders. Students are challenged to develop their potential in seminar-style sessions covering leadership definitions, theory, frameworks, and the global application of skills. Students explore their behaviors, motivations, values, influences, and character in an effort to increase self-awareness and to think critically. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397K. The Search for Right and Wrong in Politics.
Using classic texts and works from literature and film, and current event videos, this course provides students with a foundation for understanding the intersection of politics and ethics and for achieving an understanding of how politics works. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397L. Economic Anthropology.
This course reviews central issues in economic anthropology, using both case studies and theoretical writings. Students will analyze production, exchange, distribution, consumption, property, economic surplus, inheritance, and types of economic structure. Materials will cover hunter-gatherer societies, simple agricultural societies, pre-capitalist complex state societies, and issues of development in non-industrialized countries. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397M. The Death Plot: Fiction, Memoirs, Poems.
A story or poem is finite. Life is too. When we arrive at its end, we hope to understand its meaning, or, as Peter Brooks said, "to connect ends and beginnings and make of the middle a highly charged field of force." Stories and poems about death provide this opportunity. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397N. Advanced Writing for Video Games.
This course will teach students to write for video games based on techniques learned from observation and study. The course focuses on creativity and flexibility, two traits essential to game writing, and students will develop a marketable design document for an original video game working in design teams. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397O. Walking: An Active and Interdisciplinary Investigation.
What has the act of walking meant historically and what does it mean today? What has been written about the experience of walking? What insights can walking with reflection bring? Students will explore these questions through readings in literature, history, and philosophy, and through art and the act of walking. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397P. Anti-Intellectualism in American Culture and Politics.
Hostility to science, experts, and "book learning" is a common impulse that shapes contemporary American culture and politics. In this course, we will explore how anti-intellectualism promotes notions about media bias, encourages belief in implausible conspiracies, and spurs hyperpolarized politics, among other topics. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397Q. Women and Texas Music.
This honors course examines the lives and contributions of Texas women composers, performers, historians, and patrons and their roles in the promotion and advancement of the state's music. Conducted in both lecture and class discussion formats, this course will address topic-related issues of class, race, and identity formation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397R. Demonology, Possession, and Exorcism.
People have believed in demons throughout Western civilization and continue to, despite advances in science and medicine. This course explores the social significance of demonology. What are the historical, psychological, political, and economic consequences of believing in demons? To explore such questions, students will examine demonology across cultures and employ a variety of disciplinary approaches. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397S. Human Language: its evolution, mental representation, and learning.
Readings and discussions will concern human language's evolution, its representation in the mind/brain, and its learning by native and non-native speakers. Topics will include: evidence for language in other species including homo neanderthalensis; whether human language is innately specified; and similarities and differences between first and second language acquisition. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397T. Psychology in Film.
In this course, we will identify and discuss psychological concepts in popular films from a variety of genres. We will address issues of conformity, consciousness, motivation, addiction and psychological disorders. The approach to the material will be interdisciplinary in nature with a special focus on modern behavioral neuroscience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397U. Quests for the Holy Grail.
The course surveys the Celtic and Christian sources of grail legends, the major medieval grail quests, and post-medieval appropriation of the grail quest. Primary sources shall be examined through the methods of literary criticism, anthropology, and religious studies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397V. Phonetics.
This course is an introductory overview of human speech sounds. It describes speech anatomy and pays particular attention to the description of the acoustic and articulatory properties of speech as it occurs in real time. Students will study articulatory, acoustic, and auditory phonetics. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397W. Alienation and Authenticity: In Search of the Modern Self.
The modern self must struggle constantly to perserve or create authenticity against the forces of alienation. This course will investigate the origins and varieties of alienation and examine how some of the Western tradition's greatest philosphers, artists, and poets have dissected the "modern condition" and dreamed of rising above it. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397X. Nueva York: Hispanic and Latino Literature and Art in New York.
This course offers an inter-American multidisciplinary approach to Hispanic and Latino writers and artists in New York City from the late nineteenth century to the present. Topics include exile, migration, identity, bilingualism, and civil rights through a variety of literary genres, artistic forms, cultural organizations, and academic disciplines. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397Y. Deception, Risk, and Science Ethics of Research with Human Subjects.
This course introduces the key ethical concerns related to human subject research. Students will analyze research projects in which scholars place individuals at risk in the interest of reaping some benefit to those individuals and/or society. A case-study approach will actively engage students in ethical decision-making. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397Z. Makerspaces: Intersections of Art and Everything.
This course will examine multidisciplinary concepts applied within makerspaces and complete hands-on design projects using beginner-level do-it-yourself techniques, including "upcycling" recyclable materials, 2D subtractive manufacturing (i.e. CNC machines that trim acrylic, cardboard, vinyl), 3D additive manufacturing (i.e. 3D modeling, printing), textiles (i.e. embroidery, sewing), and electrical circuits (i.e. micro-controllers, sensors). (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398A. Italy and Arts of the Islamic World.
This course will challenge the traditional account of the development of Italian Renaissance art by exploring connections to Islamic culture of the surrounding Mediterranean world. Students will be introduced to visual analysis and interdisciplinary research techniques by which art and architecture can be used as documents in interpreting history. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398B. Modern Tibet: Politics, Identity and Representation.
This course examines the political, religious, economic, environmental and cultural situation of modern Tibet, by reading works by Tibetan, Chinese and Western scholars, and by analyzing propaganda and stereotypes. Students will be exposed to modern Tibetan literature, art, pop music and film, as well first-hand accounts by class guests. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398C. Theatre and War.
In "What It Is Like To Go To War", Karl Marlantes calls for ritual to aid young soldiers returning home. In this course students will analyze how classical and modern theatre can provide such a ritual, and be used as a tool to understand society's role in war. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398D. The Politics of Language in Schools and Society.
Using a critical linguistic perspective, this course examines the sociopolitical aspects of language in local, national, and global contexts. Students learn about language ideologies and gain a profound understanding for how languages and language practices are intricately tied to the racial and economic power relations embedded in schools and society. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398E. CIVIL LIBERTIES AM.
This course explores major civil liberties themes in depth, both historical and contemporary, such as religious free exercise, free speech and press, criminal procedure, capital punishment, right to privacy, equal protection (race and gender), due process, political participation, and disabiities rights. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398F. Anthropology of Peace and Violence.
The class explores anthropological perspectives on peace and violence. It focuses on understanding violent practices within both traditional and current day societies including everyday violence and warfare. It explores the contributions of social structure, gender, religion, race, and ethnicity to violence. It examines efforts to build peace and reconciliation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398G. Psychology and Law: Protecting the Vulnerable.
The course examines clinical, legal and psychosocial conditions of adults who, due to mental illness, developmental impairments, brain injuries or aging, are declared "incapacitated" and have court-appointed guardians. Students will serve as probate court representatives, (i.e., Court Visitors) who inspect living conditions/services for individuals under court-ordered guardianships (service learning component).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398H. Chinese Politics and Society through Literature and Film.
This course offers an overview of the main political and social developments in contemporary China through the cultural production of Chinese writers and filmmakers who, following the tradition of the Chinese literati of imperial times, became main characters in the modern Chinese political scene.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398I. The Aesthetics of Failure.
This course examines the role of failure as a creative and constructive part of life. We will consider failure across cultures and time periods, from various disciplinary perspectives, and through various media to define failure as more than the mere absence of success.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398J. The Body and Culture.
Today, the human body interrelates with ideas of identity, society, and fashion to become something that can be written and read. Focusing on writings and artifacts about the body's cultural significance, we will attempt to define (or re-define) what our bodies mean to us and to society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398K. Art as a Way of Knowing.
Both art and science attempt to shed light on aspects of the human experience; yet modern society often presents these forms as dissimilar, merely opposites. In this course we will explore arts-based methodological research tools, and use artistic means in the process and presentation of social inquiry.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398L. Soccer: Local Stories, Global History.
A ball, a field, at least five people: elements which have evolved into a sports phenomenon, providing fodder for claims about national identity, and establishing the most watched activity ever. Soccer is too important to leave to the fans. This course investigates the institutions, aesthetics, and ideologies shaping the game.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398M. The Future of Work: Stratification, Low Growth, and Universal Basic Income in the 21st Century.
Economic changes such as continued workplace automation and markedly slower growth imply big changes in social stratification in coming years. This course explores work and stratification in light of the "jobless economy" thesis, recent proposals for a universal basic income, and related likely cultural consequences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398N. The Anthropology of Religion and Fundamentalism.
This course provides students with current and historical approaches to the anthropology of religion with a particular emphasis on fundamentalism. It focuses on the development of religious fundamentalism in different cultural contexts, geopolitical situations, and religious traditions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398O. Introduction to Statistical Genetics and Bioinformatics.
This is an interdisciplinary course with a focus on the analysis of genetics and bioinformatics data. This course will cover basic genetics, statistics, programming, and cutting-edge research topics on statistical genetics and bioinformatics. Students will have hands-on experience of analyzing different types of genetic and bioinformatic data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398P. Wild Nights! Wild Nights!.
A multidisciplinary study of the cultural, historical, and ecological significance of the night as revealed in poetry, fiction, and drama. The semester will begin with a historical study of the night pre-electricity, and will end with a consideration of the endangered nights of our post-electrical present and future.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398Q. Life Online: Epistemology, Ethics, and Culture on the Internet.
Increasingly, our lives are lived online. We communicate, learn, play and love on the internet. In this course, we investigate the epistemological, ethical, and cultural implications of this shift. Class discussion will focus on current internet topics ranging from fake news to the aesthetics and ethics of internet memes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398R. Culture, Medicine and the Body.
This course explores how the human body, functions of the body, and the practices of medicine and healing are situated and contextualized within cultural frameworks. Case studies cover body and health-related topics over the life course, from birth to death.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398S. Geography of Food and Agriculture.
The Geography of Food and Agriculture course will critically evaluate local and global food systems, considering the implications of varying forms of production and consumption and exploring topics related to sociocultural, economic, and environmental landscape change, the role of agriculture in both rural and urban places, and sustainability writ large.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398T. Dramatic Adaptation.
Dramatic Adaptation is a writing course where students will be adapting non-dramatic works into stage plays. The course will begin with an introduction of the dramatic form, with regards to adaptation, in both principles and structure. Students will then create and write their own adaptations for the stage. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398V. Philosophy, Politics, and Economics.
What are an individual's moral obligations to their community, nation, and world? How do governments and economic systems shape these obligations? Are capitalism and socialism really opposites? This course investigates these questions, and others, through the interdisciplinary study of "PPE," an emerging field that draws from philosophy, politics, and economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398W. The Mathematics and Statistics of Gambling and Sports Betting.
This course uses the scaffolding of gambling and sports betting to engage students in applied probability and statistical modeling. The course covers both descriptive and inferential methods. Topics include measures of central tendency, dispersion, and shape; probability and probability distributions; sampling distributions; estimation, hypothesis testing, linear models, and non-parametric analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398X. Language & the Body.
Linguistic anthropologists believe that language not only reflects but also shapes and creates our social worlds. This class will focus on how language shapes our embodied identities and our deeply held beliefs through exploration of linguistic, cultural, and medical anthropological research and that of related social sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398Y. The Creative Spark: Interdisciplinary Perspectives on Creativity.
From technology to the arts, the ideals of creativity and innovation are hotter then ever. But what exactly is creativity? This interdisciplinary course will draw on diverse perspectives (psychology, science, and arts) as we explore what it means to be creative and how to be more creative in our lives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398Z. Political Ecology of Science Fiction.
Political ecology considers how power relations and politics, as a form of society and culture, influence environmental systems and management. This course applies the concepts of political ecology to science fiction case studies as a means to uncover latent human-environment interactions and explore similar processes in the real world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3399A. Balinese Music and Its Cultural Context.
This course examines the arts, culture and society of the island of Bali, Indonesia, with special attention to the practice and study of traditional musical forms and structures. The course also explores contemporary artistic trends and the impact of technology and tourism on the arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3399B. Language, Culture, and Education.
Students will consider the roles language and culture play in American education. Through converging scholarship from the fields of anthropology, language and literacy, and education, the course addresses relationships of power, knowledge, and identity in schools, as well as critiques of the effects of globalization, migration, and market-based approaches to schooling in the U.S. and international contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3399C. Comics, Cartoons, and Contested Racial Identities in U.S. History.
This course examines how comics have reflected, shaped, and challenged Americans' notions of racial difference from the nineteenth century to today. Along with reading recent scholarly books and articles, we will analyze a wide range of comics from various periods, tracking the interrelation of comics and larger patterns of U.S. race relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3399D. Hell Across Cultures.
Hell has a dual nature—existing as an afterlife, but always making commentary on its contemporary surrounding society. Using a variety of methodological approaches, this course explores the social significance of the idea of hell across a variety of religious traditions, including Buddhism, Islam, Christianity, Judaism, and popular culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3399E. From Africa to Texas: A Black Language Odyssey.
When different peoples speaking different languages meet and need to communicate, interesting things happen. Texas has several such populations, which have their own "new" ethnicities, languages, music and cuisine. This course will look at two of these groups, the Black Seminoles and the French Creoles, both originating in Africa, and both spoken today in Texas. It will also address the position of African American Vernacular English ("Black English") in the context of creole theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3399F. The Myths of Western Civilization: Decolonizing and Queering European History.
Spanning from antiquity, this course deconstructs the concept and history of "Western Civilization." Through the study of primary and secondary sources, students will consider how history can be written to include oppressed and marginalized voices while still attempting to understand the broad scope of European history and its legacy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3480A. Relativity and Quantum Mechanics for Non-Science Majors.
Principles of quantum mechanics and relativity will be discussed and analyzed including applications to theoretical problems and practical applications. The lab portion will teach basic electronics skills and allow students to perform classic experiments of modern physics. (WI).
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3480B. Building A Greener Future: One Home at a Time.
This course will focus on the science and engineering principles involved in building and maintaining a house. Students will investigate how choices of materials and design influence cost, sustainability, and energy efficiency of housing. Laboratory experiences will elucidate these concepts. (WI).
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3480C. Teaching Physical Science to Children.
This studio-styled physics course is ideal for preservice K-8 teachers. Course content includes both physics concepts and research findings on physics teaching and learning. We will focus on developing deep understanding of fundamental concepts in physical science and how these concepts relate to making sense of our everyday experience. (WI).
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 4090. Honors Thesis.
This course is designed for students to pursue an independent project of research, study, or creative achievement to fulfill the thesis requirement for graduating in the Honors College. Students in this non-credit bearing version of a thesis course are often enrolled in a similar course in their discipline.
0 Credit Hours. 0 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Honors|Writing Intensive
Grade Mode: Standard Letter

HON 4390A. Senior Seminar: Thesis Development.
This course will assist Honors students by exposing them to a systematic study of contemporary research methods appropriate for research on their theses. Prospective thesis supervisors and library research facilitators will insure that participationg students understand both the mechanics and expectations of preparing an Honors Thesis. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 4390B. Honors Thesis.
A course designed to allow students in the Honors College to pursue an independent project of research, study or creative achievement, culminating in a paper, laboratory problem, field research problem or creative effort of some size and scope. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 4391. Honors Independent Study.
Individual study under direct supervision of a professor for Honors credit. May involve field trips. This course may be repeated for credit but a student may not a exceed six hours of credit in Honors Independent Study. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

Minor in Honors Studies

The minor in Honors Studies requires 21 semester credit hours, of which 12 hours are advanced including HON 4390A and HON 4390B. Of the advanced courses, a maximum of 2 may be Honors Contract courses. Honors Contract courses may not be counted for both the minor and the major. A maximum of 3 Honors courses may be counted to satisfy both General Education Core Curriculum requirements and the minor. Students are required to demonstrate cross-cultural experience by completing a study abroad program or an alternative cross-cultural component. Students must complete an Honors Thesis by enrolling in HON 4390B. Students are required to make a presentation of the thesis in the Honors Thesis Forum and obtain approval by the thesis supervising professor and the Dean of the Honors College.

College of Applied Arts

Dean
T. Jaime Chahin, Ph.D.
Agriculture Building Room 300
Telephone: 512.245.3333 Fax: 512.245.3338
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Associate Dean
Donna Vandiver, Ph.D.

Assistant Dean
Douglas Morrish, Ph.D.

Department Chairs/School Directors
Aerospace Studies—Lt. Col. Jack Blalock, M.S.

Agricultural Sciences–Madan M. Dey, Ph.D.
Criminal Justice–Christine S. Sellers, Ph.D.
Family and Consumer Sciences–Andrew O. Behnke, Ph.D.
Military Science–Maj. Michael Ashton, M.S.
Organization, Workforce, and Leadership Studies–Mary Jo Biggs, Ph.D.
Social Work–Angela R. Ausbrooks, Ph.D.

The College of Applied Arts' mission is to prepare undergraduate and graduate students for careers through programs of high quality in academic, professional, and technical areas; to further faculty excellence in teaching supported by quality scholarship; and to enhance our involvement with local, state, national, and international constituencies.

The College of Applied Arts offers five undergraduate degrees, each with options that prepare students for careers that suit their interests. Refer to each department/school website for more information on degree options:

1. Bachelor of Science in Agriculture;
2. Bachelor of Applied Arts and Sciences;
3. Bachelor of Science in Criminal Justice;
4. Bachelor of Science in Family and Consumer Sciences;
5. Bachelor of Social Work

In addition, the Departments of Aerospace Studies and Military Science offer minors which prepare qualified students for commissioning in the United States Air Force, United States Army, United States Army Reserves, or Army National Guard.

Twenty-two undergraduate majors (several with specialized options) are offered by two departments and three schools within the College:

- Department of Agricultural Sciences: Agriculture (with teacher certification option), Agriculture Animal Science (with a concentration in pre-veterinary option), and Agriculture Business and Management (with concentrations in agribusiness management, agricultural systems management, and horticultural business).
- School of Criminal Justice: Criminal Justice
- School of Family and Consumer Sciences: Consumer Affairs (with a concentration in family and consumer sciences or personal financial management, and teacher certification options), Family and Child Development (with teacher certification option), Fashion Merchandising (with a concentration in planning and presentation option), Interior Design, and Nutrition and Foods (with dietetics concentration and teacher certification options).
- Department of Organization, Workforce, and Leadership Studies: Applied Arts and Sciences. Individualized degree program which offers students the opportunity to receive college credit for previous competencies acquired in their lives as well as selecting a new career path or supplementing skills in their current path.
- School of Social Work: Social Work (education for beginning generalist in social work practices). Designed to give students a well-rounded perspective on efforts to enhance human well-being and productivity, help alleviate poverty and strengthen social justice.

Several of the College's programs have externship-type courses. These courses provide opportunities for students to further their education in an environment external to Texas State. These courses have entrance requirements including good academic standing at the time of the internship. More specific course requirements are available from the department of your major.

Academic Advising Center

Agriculture Building Room 201

Telephone: 512-245-1490 Fax: 512-245-1627
www.advising.appliedarts.txstate.edu (http://www.advising.appliedarts.txstate.edu)

The mission of the College of Applied Arts Academic Advising Center is to provide accurate and timely advice to prospective and current students regarding their progress toward completion of undergraduate degree programs administered by the college. Services include preparation of degree audits, assistance with degree planning, scheduling of classes, counseling for probation and suspension holds, evaluation of transfer work, and application for graduation. Please contact the Advising Center to schedule an appointment for academic advising at 512-245-1490 or online: https://advising.appliedarts.txstate.edu/. Staff are available to meet with students Monday through Friday from 8:00 a.m. to 5:00 p.m.

Department of Aerospace Studies

Air Force Reserve Officer Training Corps Detachment 840
Derrick Hall Room 301
Telephone: 512-245-2182
www.afrotc.txstate.edu (http://www.afrotc.txstate.edu)

The Air Force Reserve Officer Training Corps (AFROTC) Program at Texas State develops Air Force values and competencies in students for military service as commissioned officers upon graduation.

In the AFROTC four year program students may register in the same manner as for other college courses. During the freshman and sophomore years of the program, students enroll in the General Military Course (GMC). Membership in the GMC does not confer any military status or commitment upon the student with the exception of those students who are awarded the AFROTC scholarship. After completion of the GMC, students compete for entry into the Professional Officer Course (POC)

The POC is designed to provide greater flexibility to meet the needs of students desiring a commission in the Air Force. The basic requirement is that the student has two full-time academic years remaining at either the undergraduate or graduate level to meet the minimum requirement of four semesters of POC academics and laboratory requirements.

Selection for the POC is highly competitive. Criteria used to assess qualifications of applicants are the Air Force Officer Qualification Test (testing material and information is available through AFROTC), cumulative GPA, physical fitness test, and the Professor of Aerospace Studies' assessment. Before formal induction into the POC, applicants must complete a two-week summer Field Training encampment paid for and conducted annually by the Air Force.

Both GMC and POC members must attend a weekly two-hour Leadership Laboratory each semester. The laboratory provides students an environment to develop, learn and practice Air Force leadership skills. All members are also required to attend two group physical training sessions per week. Students interested in learning more about AFROTC may visit http://www.afrotc.com or contact the Department of Aerospace Studies and Detachment 840.

Furthermore, students who are categorized as sophomores, juniors, seniors or graduate students might have an opportunity to enter an abbreviated AFROTC program. Students in these categories who are

interested in becoming an Air Force officer are encouraged to contact the Aerospace Studies department to obtain more information on these programs.

Finally, students may compete for a variety of scholarships. Qualified students may apply during the fall or spring semester for a scholarship that covers the remaining years in the program. The scholarships provide up to full tuition, laboratory and incidental fees, and an allowance for books. All students must complete a minimum of 24 semester hours of math and physical science or four semester hours of the same foreign language. In addition, scholarship students, based on their classification, may receive up to $500.00 per month tax-free subsistence. Students may obtain complete scholarship information online at www.afrotc.com or at the Aerospace Studies department.

Pursuant to Texas Education Code §51.302, up to three semester hours of credit in an upper-level ROTC course may be applied to the general education core curriculum American History Component (HIST 1310 or HIST 1320) and up to three hours to the general education core curriculum Government/Political Science Component (POSI 2320 only).

Minor

- Aerospace Studies

Courses in Aerospace Studies (A S)

A S 1000. Leadership Laboratory.
An integral and mandatory two-hour lab accomplished concurrently with all Aerospace Studies courses. It is a progression of practical command and staff experiences that develop leadership potential. AFROTC cadets plan, organize, direct, coordinate, and control all activities. The lab is repeatable without credit because it focuses on different leadership processes.
0 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Time Conflicts Permitted
Grade Mode: Credit/No Credit

A S 1110. The Air Force Today I.
A study of the doctrine, mission, and organization of the United States Air Force; United States strategic offensive and defensive forces, their missions and functions; and employment of nuclear weapons. Co-requisite: A S 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

A S 1120. The Air Force Today II.
An introduction to flight, oral and written communication for the Air Force officer, Air Force installations, the Air Force profession and how the Air Force integrates with the U.S. Army, Navy, Marines, and Coast Guard. Co-requisite: A S 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

A S 2110. The Development of Air Power I.
A historical study of the development of air and space power beginning before the first powered flights through WWI, the inter-war years, and WWII, tracing the development of various air power concepts with a focus on factors prompting aerospace research and technological change. Co-requisite: A S 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

A S 2120. The Development of Air Power II.
A continuation of A S 2110 studying the historical development of air and space power from Vietnam to the present. Events and trends in the history of airpower are examined, emphasizing examples of the impact of air and space power on strategic thought. Co-requisite: A S 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

A S 3311. Leadership and Management I.
A study of the framework of leadership in the Air Force (AF), part 1. Practical case studies examine AF leadership and management situations and discipline and ethics scenarios that demonstrate applications of the concepts. The course emphasizes communication skills used by officers in the AF. Co-requisite: A S 1000.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

A S 3312. Leadership and Management II.
A study of the framework of leadership in the Air Force (AF), part 2. Practical case studies examine AF leadership and management situations and discipline and ethics scenarios that demonstrate applications of the concepts. The course emphasizes communication skills used by officers in the AF. Co-requisite: A S 1000.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

A S 4311. National Security Forces in Contemporary American Society I.
Part 1 of the study of professional Air Force (AF) officers in a democratic society; societal attitudes toward the armed forces; national defense structure, policy development; and military law. AFROTC cadets study topics that prepare them for duty as AF officers. The course emphasizes AF communication skills. Co-requisite: A S 1000.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

A S 4312. National Security Forces in Contemporary American Society II.
Part 2 of the study of professional Air Force (AF) officers in a democratic society; societal attitudes toward the armed forces; national defense structure, policy development; and military law. AFROTC cadets study topics that prepare them for duty as AF officers. The course emphasizes AF communication skills. Co-requisite: A S 1000.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

Minor in Aerospace Studies

The minor in Aerospace Studies requires 19 semester credit hours. Cadets must enroll in A S 1000 every term until graduation.

Code	Title	Hours
Required Courses		
A S 1110	The Air Force Today I	1
A S 1120	The Air Force Today II	1
A S 2110	The Development of Air Power I	1
A S 2120	The Development of Air Power II	1
A S 3311	Leadership and Management I	3
A S 3312	Leadership and Management II	3
A S 4311	National Security Forces in Contemporary American Society I	3
A S 4312	National Security Forces in Contemporary American Society II	3
Choose 3 hours of MATH courses		3
Total Hours		19

Department of Agricultural Sciences

Agriculture Building Room 206
Telephone: 512-245-2130 Fax: 512-245-3320
www.ag.txstate.edu (http://www.ag.txstate.edu)

Agriculture majors have a choice of three different degree tracks:

- Agriculture,
- Agriculture Animal Science,
- Agriculture Business and Management.

The Department of Agricultural Sciences offers programs reflecting the diversity of choices available and skills required in modern agriculture and its related professions. This dynamic, global industry uses new technologies to improve the production, management, manufacture, and distribution of food and agricultural products.

Major in Agriculture

Agriculture majors provide a broad exposure to agricultural disciplines. With this curriculum, students may expect to manage a ranch or a farm, or work in any career that requires a general agriculture education such as county extension agents, banking or government service.

Major in Agriculture with Teacher Certification in Agriculture, Food and Natural Resources

A comprehensive educational program concerned with the broad field of agriculture. Emphasis in the major is on production techniques, managerial skills and competencies necessary to function as agricultural scientists, educators, or agricultural managers in today's complex agricultural industry. Agriculture teachers are certified to teach in grades six through twelve in the public schools of Texas.

Major in Agriculture Animal Science

The study of all aspects of the livestock and poultry industries including commercial production and management; food processing; and animal feed/animal health including nutrition, biotechnology and veterinary medicine. Involvement of students in ongoing faculty research prepares graduates for careers in research and industry; and for further education in veterinary schools or graduate schools. Students may pursue a Pre-Veterinary Concentration with this major.

- The Pre-Veterinary concentration provides specialized course work for students planning to enter veterinary school.

Major in Agriculture Business and Management

This major reaches far beyond the farm to encompass the activities involved in bringing food and fiber to consumers. Students may pursue three concentrations with this major:

- Agribusiness Management. In this concentration students learn about the acquisition and use of capital, the working of the marketplace, financial institutions, and the effect of government policies on agriculture. Therefore, the Agribusiness Management concentration includes courses in agricultural finance, marketing and policies dealing with resource use as well as courses in technical agriculture and general education core curriculum.
- Agricultural Systems Management. This concentration integrates and applies engineering technology, agricultural sciences, and business. It prepares graduates for careers in technical fields and engineering such as agricultural machinery and power systems, electrical energy systems including sensors and controls, agricultural structures, surveying, and environmental systems including water utilization and quality. Students are involved with ongoing research, farm power and machinery, and precision farming and global positioning systems. Graduates are expected to assume positions of leadership and responsibility in careers such as product testing and service management, agricultural sales and services, and agricultural production systems.
- Horticultural Business. This concentration teaches management of commercial establishments and institutions that produce ornamental plants such as greenhouses and nurseries, floral shops and plant therapy businesses. The major also contains specialized courses in horticulture that utilize greenhouses, the Freeman Center and the Living Library Gardens.

Internship

Students are encouraged to apply for internships and enroll in AG 4310 (http://mycatalog.txstate.edu/search/?P=AG%204310) after their junior year. Students will identify a faculty member to facilitate their experience and request permission for enrollment in the internship course. Students are required to have a 2.75 overall GPA with 18 hours of agriculture coursework completed. The department will assist students in securing internships in agriculturally related businesses or agencies.

Minors

The Department of Agricultural Sciences offers four undergraduate minors (Agriculture, Animal Science, Horticulture, and Plant and Soil Sciences). Students with a declared major within the Department of Agricultural Sciences require at least nine (9) unique hours to select a minor in another agriculture subject.

Bachelor of Science in Agriculture (B.S.A.G.)

- Major in Agriculture (p. 101)
- Major in Agriculture (Teacher Certification in Agriculture, Food and Natural Resources, Grades 6-12) (p. 102)

- Major in Agriculture Animal Science (p. 103)
- Major in Agriculture Animal Science (Pre-Veterinary Concentration) (p. 104)
- Major in Agriculture Business and Management (Agribusiness Management Concentration) (p. 105)
- Major in Agriculture Business and Management (Agricultural Systems Management Concentration) (p. 106)
- Major in Agriculture Business and Management (Horticultural Business Concentration) (p. 108)

Minors

- Agriculture (p. 109)
- Animal Science (p. 109)
- Horticulture (p. 109)
- Plant and Soil Science (p. 109)
- Second Teaching Field in Agriculture, Food and Natural Resources (Grades 6-12)

Courses in Agriculture (AG)

AG 1110. Careers in Agriculture.
This course is an introduction to careers available in the broad field of agriculture including an overview of personal and career qualifications needed for workplace success.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: AGRI 1131

AG 1445. Basic Animal Science.
An introductory course designed to acquaint students with the importance of the livestock industry. A study of the types and breeds; market classes and grades of beef cattle, swine, sheep, goats, horses, and poultry; attention will be given to breeding, judging, care, and management.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: AGRI 1419

AG 2310. Applied Leadership Principles.
This course prepares students for professional leadership and service, with emphasis on application of leadership principles. The course will focus on guiding students in developing enhanced leadership skills through group and individual leadership enhancement projects and topic research. Prerequisite: AG 1110 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 2313. Agronomic Crops.
A study of the production, harvest practices, storage, and use of cereal and feed grains, fiber crops, forages, and other related crops requiring special technology.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: AGRI 1307

AG 2345. Horse Management.
A course designed as a broad but thorough coverage of most areas of horse husbandry and production, including anatomy, physiology, breeding, feeding, training, and health care. Laboratory sessions are designed to acquaint the student with modern methods of breeding, training, and care of the horse.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 2367. Animal Ultrasonography.
A study of current developments and utilization of animal ultrasonography technology in agriculture. Hands-on training in animal growth and development, animal breeding, animal handling and management, animal reproduction, computer technology and data interpretation.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 2373. Introduction to Agricultural Engineering.
An introductory course designed to acquaint students with a wide range of concepts, principles and applied technologies in agricultural engineering. A problem solving course.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: AGRI 2303

AG 2374. Metal Fabrication and Welding Technology for Agriculture.
This course covers the principles and practices of applied metallurgy and welding. Emphasis is given to the management of the technologies and techniques associated with oxy-fuel cutting, shielded metal arc welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Plasma Arc Cutting (PAC). Prerequisite: AG 2373 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 2379. General Horticulture.
A survey of the general field of horticulture including general areas of employment.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: AGRI 1315

AG 2383. Introduction to Agricultural Economics.
The role of agriculture in the general economy; the study of basic economic concepts with their application to the agricultural firm; the structure and operation of the marketing system; the functional and institutional aspects of agricultural finance; international trade; and government farm programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: AGRI 2317

AG 2390. Computer Applications in Agriculture.
Introduction to computers and computer technology; operation and application of the computer in production agriculture and agricultural business, services and industries. Includes characteristics of computer hardware and software, accessing and using the computer in agriculture.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: AGRI 1309

AG 3301. Genetics of Livestock and Plant Improvement.
Fundamental principles of genetics and their application to higher plants and animals. The physical basis of Mendelian inheritance, expression and interaction of genes, gene frequency, linkage, sex linkage, inbreeding, line breeding, and crossbreeding as applied to selection indices for livestock and plants. (WI) Prerequisites: AG 1445 and BIO 1130 and BIO 1330 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AG 3302. Herbaceous Plant Materials.
This course will include the identification, selection, use, and management of annuals, perennials, herbs, and ornamental grasses in the landscape. Each student will learn irrigation, fertilization, pruning, and other cultural needs of such plants. The laboratory will complement lecture.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3304. Propagation of Horticultural Plants.
Principles and practices of propagating ornamental plants, vegetables, and fruits by sexual and asexual methods including germination of seed, layerage, graftage, division, cuttage, bulbs, corms, and other vegetative plant structures. Study of physical, physiological and environmental factors affecting propagation of ornamental plants.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3305. Woody Plant Materials for Outdoor Landscapes.
Study of woody plant material including fruit and ornamental trees, shrubs, and ground covers and their identification, nomenclature, and use in the planting and development of home landscapes.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3306. Flowers and Plants for Interior Design.
Study of flowers, cut flowers, foliage and blooming pot plants to enhance the interior design of homes and businesses including their identification, cultural requirements, uses, diagnoses and corrective measures of disorders. Basic principles of flower arrangement and the preparation of floral and plant decoration as used in interior design. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

AG 3308. Organic Gardening.
Study of principles and practices that involve the production of vegetables by organic methods. Fertility and irrigation; as well as weed, insect and disease control by practices will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 3310. Agriculture Power and Machinery Technology.
This course covers the principles of 2 stroke and 4-stroke cycle engines, ignition, and combustion types including injection systems. Components including power and power transmissions and hydraulic systems will also be addressed. Prerequisites: AG 2373 and [MATH 1315 or MATH 1319 or MATH 2321 or MATH 2471] both with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3314. Animal Health and Disease Control.
A course designed to enable the animal science student to understand basic veterinary principles as applied to prevention of disease in domestic livestock. Common diseases of livestock are considered, with emphasis on sanitation and modern preventative methods concerned with keeping livestock healthy. Prerequisite: AG 1445 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 3317. Farm Management.
Tools and techniques which are basic to the study of farm organization and decision making, the wise allocation of factors of production, the keeping of records, and income tax management. Prerequisites: AG 2383 and AG 2390 and [MATH 1316 or MATH 1319] all with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3318. Agricultural Business Management.
This course introduces institutions and functions of agribusiness. The institutional structure of agribusiness such as feed, farm machinery and equipment, farm chemicals, financial institutions and private and public agri-services will be delineated. Various agribusiness functions such as organizational behavior and financial, market and human resource management will be discussed. Prerequisites: AG 2383 and AG 2390 and [MATH 1315 or MATH 1319 or MATH 2321 or MATH 2471] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 3319. International Food and Fiber Systems.
This course presents the food and fiber system from an international perspective. Analysis of food production and consumption patterns under different world economic systems, causes of surpluses and shortages throughout the world; the role of trade in solving food and agricultural problems. Global outlook and situation for food and fiber. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

AG 3321. Range Management.
Practical problems met in managing native pastures and rangelands. Attention to determining range condition and proper stocking rates, methods of handling livestock on the range, range reseeding, brush control, and poisonous plants. The ecological and physiological response of range vegetation to grazing. Prerequisite: AG 1445 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 3325. Animal Nutrition.
Principles of animal nutrition with emphasis on digestion, absorption, metabolism, and function of nutrients; estimation of feedstuff nutritive value; and requirements of animals. (WI) Prerequisites: BIO 1130 and BIO 1330 and CHEM 1141 and CHEM 1341 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AG 3329. Economic Entomology.
A study of the most common insects of field crops, fruits, and vegetables; life history, methods of attack, damage, and means of preventing and controlling. Collection and mounts of insects will be made.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3330. Applied Wildlife Nutrition.
Basic and fundamental principles of nutrition for ruminant and non-ruminant wildlife with emphasis in North American and African wildlife. Attention will be given to digestive physiology and anatomy, feed sources, forage resources, and nutrient requirements. Prerequisite: AG 1445 or [BIO 1130 and BIO 1330] any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

AG 3331. Reproduction in Farm Animals.
An examination of the anatomy and physiology of reproductive systems of livestock of economic importance. Attention is given to reproductive failure and disease. The laboratory includes pregnancy testing, semen collection and evaluation, artificial insemination techniques, and evaluation of breeding records. Prerequisites: AG 1445 and [AG 3301 or BIO 2450] both with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3345. Livestock Selection and Evaluation.
Detailed consideration of the factors involved in the selection and evaluation of beef cattle, sheep, swine, rabbits, goats, and chickens. Emphasis will be placed on the care, grooming and exhibition of livestock projects. Prerequisite: AG 1445 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3351. Agricultural Marketing and Sales.
A study of the food marketing system and farm input sales; includes the functional systems approach that integrates the agricultural input industries into a discussion of food marketing; takes a micro approach to the development of marketing management skills needed in agribusiness; and provides a critical outlook on issues ranging from inputs to final food products. (WI) Prerequisites: AG 2383 and [MATH 1315 or MATH 1319] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AG 3352. Quantitative Methods in Agricultural Economics.
Principles involved in collection, tabulating and analyzing agricultural data. Topics include sampling procedures, questionnaire development, descriptive analysis of data, correlation, prediction and forecasting and tests of significance. Simple computer programs will be stressed for class exercises during the course. Prerequisite: MATH 1315 or MATH 1319 or MATH 2321 or MATH 2471 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3353. Agricultural Structures and Environment.
Principles and practices associated with structural components, selection, materials of construction, heat and moisture control, and the environmental issues of waste management systems; a problem solving course. Prerequisites: AG 2373 and AG 2390 and MATH 1315 all with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3375. Management of Agricultural Machinery and Equipment.
This course addresses the optimization of the equipment phases of agricultural production and processing. Emphasis will be placed on management and decision making principles concerned with the efficient selection, operation, repair, maintenance, and replacement of machinery and equipment. Prerequisites: AG 2373 and AG 2390 and CHEM 1141 and CHEM 1341 and [MATH 1315 or MATH 1319 or MATH 2321 or MATH 2471] all with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3426. Soil Science I.
This course introduces fundamental principles of soil science to acquaint the student with some physical, chemical, and biological properties of the soil. Prerequisites: CHEM 1141 and CHEM 1341 and [AG 2313 or AG 2379 or BIO 1330] all with grades of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3427. Soil Science II.
Management of soils as pertaining to their place in the environment. Special emphasis will be given to the role of soil in conventional agricultural systems, natural resource systems, waste management systems, and reclaimed and artificial soil systems. (WI) Prerequisite: AG 3426 with a grade of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

AG 3455. Land Surveying.
Engineering practices used in plane and geodetic surveying including differential and profile leveling, topographic, land, boundary and cadastral, and construction surveys. Laboratory exercises include use of dumpy levels, transits and total stations, and GPS (Global Positioning System) total station with RTK (real time kinematic). Planimeters and stereoscopes are used in analyzing aerial maps. Prerequisites: MATH 1315 or MATH 1317 or MATH 1319; AG 2373 and AG 2390.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required|Time Conflicts Permitted
Grade Mode: Standard Letter

AG 4185. Current Problems in Technical Agriculture.
A course for advanced undergraduates to study subject matter of special interest in agriculture. Problems in agronomy, economics, animal science, plant science, and farm mechanics may be selected. May be repeated for up to three semester hours credit. Course may not be taken for graduate credit. (WI) Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Dual Enrollment Permitted|Writing Intensive
Grade Mode: Standard Letter

AG 4212. Program Building.
This course focuses on program and curriculum development in agricultural education settings. Primary course elements will include determining program and curriculum goals and objectives, implementing the program, and curriculum evaluation. Corequisite: AG 4343 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 4300. Greenhouse and Nursery Management.
Planning greenhouses for commercial and home use; plant-nursery layouts. Study of the physical and economic factors affecting the production of plants in the greenhouse and other forcing structures, and in the field; management techniques used in the production and marketing of greenhouse and nursery plants. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

AG 4302. Fruit and Vegetable Crop Production.
Factors influencing small-fruit and tree-fruit and vegetable crop production in the field including root stocks, varieties, soil, planting, transplanting, irrigating, fertilizing, pruning, insects, diseases, nematodes, weeds, chemicals, harvesting, storing, and marketing; greenhouse production of certain vegetables. (WI) Prerequisite: AG 2313 or AG 2379 either with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

AG 4304. Landscape Management.
To acquaint students with the practices and techniques used in professional landscape construction and management, and with the scientific and technical basis for such practices.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 4305. Landscape Design.
Landscaping combines elements of art and science to create functional, aesthetically pleasing outdoor space. This class helps students develop knowledge of design elements and principles. Students learn site and client analysis techniques for critiquing landscapes. Students learn to communicate ideas through the planning and drawing of landscape plans.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 4307. Professional Development in Agriculture.
This course requires students to select a topic of current interest appropriate to the major. Critical analysis of the situation including both positive and negative aspects will be encouraged. Findings will be presented in both oral and written form. (Capstone Course).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AG 4310. Agricultural Internship.
This course integrates professional and academic experience through internship with an external employer. The internship is designed to provide actual work experience, observation and analysis in the student's chosen career field. Prerequisites: Junior or Senior standing and a GPA of 2.75 or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

AG 4311. Instructional Methods for Career and Technology Educators.
An analysis of the instructional techniques, strategies and methods appropriate to the effective teaching of career and technology subjects. Teaching special populations and teaching in multicultural environments will be addressed. To be taken the Fall semester before student teaching.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

AG 4325. Feeds and Feeding.
Study of feedstuffs used in livestock enterprises. Application of basic nutrients to the needs of different species of livestock. Formulating rations, methods of feeding, feed control laws, and feeding investigation. Prerequisites: AG 1445 and BIO 1130 and BIO 1330 and CHEM 1141 and CHEM 1341 all with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 4326. Advanced Animal Science-Ruminants.
The application of scientific and technological advances to production and management in ruminant animal production and management. Prerequisite: AG 1445 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

AG 4328. Advanced Animal Science-Poultry and Swine.
Application of basic principles in the production and management of nonruminant animals. Scientific and technological advances with emphasis on overall management, health care, nutrition, genetics, physiology, and marketing of nonruminant animals. Prerequisite: AG 1445 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AG 4330. Food Technology: Processing Meats.
Evaluation and grading of carcasses; wholesale and retail cuts of beef, pork, lamb, and poultry. Emphasis on quality controls, testing of finished products that have been frozen, cured, fried, pickled, and canned. Prerequisites: AG 1445 and BIO 1130 and BIO 1330 and CHEM 1141 and CHEM 1341 all with grades of "D" or better or instructor approval.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 4343. Organization and Management for Laboratory Programs.
This course examines instructional programs involving laboratory equipment and facilities. Curriculum, teaching methods, equipment and facility management practices including various aspects of safety, tool management, inventory and security are emphasized along with facilities layout planning. Must be taken in last semester of program. Corequisite: AG 4212 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 4361. Agriculture Electric and Mechanical Systems.
Electrical fundamentals applied to agricultural production and processing. Circuits, power, energy, wiring design, and motor fundamentals; selection, installation and operational characteristics. Sensors and control devices including switches, relays, timers, and circuit breakers will be studied. Prerequisite: AG 2373 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 4371T. International Horticulture.
The purpose of this program is to introduce students to the English culture and way of life, as well as England's historic role in Horticulture, past and present. Students will intensely study from the following four horticultural fields: Ornamental Horticulture, Landscape Design, Vegetables/Fruit Crops, and Vineyards and Hops. The program includes basic instruction in English history, as well as lectures and field trips.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

AG 4371U. Anatomy & Physiology of livestock.
A course examining the external and internal systems of livestock. Skeletal anatomy, cell physiology and biological systems will be explored, with emphasis on livestock. Prerequisite: AG 1445 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

AG 4371V. Green Revolution & Agricultural Development in Asia.
This course will provide a detailed retrospective of the Green Revolution in Asia, its achievement and limits in terms of agricultural productivity improvement, and its broader impact at social, environmental, and economic levels.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

AG 4371W. Intermediate Microeconomics and it's Application in Agriculture.
This course is designed to be an intermediate-level microeconomics, with emphasis on its application in agriculture. The course will cover topics such as consumer and producer theories, game theory, labor and capital markets, uncertainty, externalities, and public goods and their application to real-world agricultural problems. Prerequisite: AG 2383 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

AG 4379. Agriculture Irrigation Technology.
This course teaches the principles associated with water management practices in maintaining soil productivity and the influence of water management on environmental quality. Emphasis will be placed on the selection and layout of irrigation and drainage systems, waste management systems, and the impact on the environment. Prerequisite: AG 2373 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 4380. Agricultural Finance.
This course introduces finance and financial problems faced by agribusiness managers. The subject matter includes financial analysis, planning, and control; capital budgeting; capital structure, liquidity, and risk management; and financial markets. Prerequisites: ACC 2361 and AG 2383 and [MATH 1315 or MATH 1319 or MATH 2321 or MATH 2471] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 4381. Agricultural Policy.
Identification and analysis of governmental programs and policies affecting the production and marketing of agricultural products. An economic evaluation of alternative policies and their application for farmers, consumers and agribusinesses will be considered. (WI) Prerequisites: AG 2383 and [MATH 1315 or MATH 1319] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AG 4383. Agricultural Resource Economics.
This course introduces economic concepts and institutional factors relating to the use of agricultural resources such as land, air, water, energy, space, etc. Emphasis is on the conservation of resources and the environmental interactions resulting from the use of natural resources for agricultural production. (WI) Prerequisite: AG 2383 and [MATH 1315 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2471] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AG 4681. Student Teaching in Agriculture, Food, and Natural Resources 6-12.
Students will apply knowledge and skills learned during the teacher preparation program while engaging in clinical practice with experienced Agriculture mentor teachers in school settings with university instruction and supervision. This culmination experience is required for Texas teacher certification. Prerequisite: Minimum 2.75 Overall GPA and instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Credit/No Credit

Bachelor of Science in Agriculture (B.S.A.G.) Major in Agriculture

Minimum required: 120 semester credit hours

General Requirements

1. Students cannot enroll in upper-level (3000 or 4000) agriculture courses until they have successfully completed MATH 1315 or MATH 1319, and CHEM 1341 and CHEM 1141.
2. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine semester credit hours must be writing intensive (WI).
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

Course Requirements

Freshman	Hours
AG 1110[1]	1
AG 1445	4
AG 2390[1]	3
BIO 1330 (Life & Physical Sciences Component Code 030)	3
BIO 1130	1
MATH 1315 or 1319 (Mathematics Component Code 020)	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
US 1100	1
HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/Political Science Component Code 070)	3
	31

Sophomore	Hours
AG 2313 or 2379	3
AG 2373[1]	3
AG 2374	3
AG 2383	3
ENG 3303	3
ENG Literature (Component Area Option Code 090/094)	3
CHEM 1341 (Life & Physical Sciences Component Code 030)	3
CHEM 1141	1
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
ANTH 1312, GEO 1310, PSY 1300, or SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	31

Junior	Hours
AG 3310	3
AG 3426	4
AG 3427	4
AG Electives I	12
HIST 1320 (American History Component Code 060)	3

POSI 2320 (Government/Political Science Component Code 070)	3
AG 2310	3
	32

Senior	Hours
AG 3317 or 3318	3
AG 3319	3
AG 3353 or 4361	3
AG 4310	3
AG 4325	3
AG 4326	3
AG Electives II	5
AG 4307	3
	26

Total Hours: 120

[1] Must be successfully completed in the first 45 college credit hours at Texas State.

AG Electives I

Code	Title	Hours
Select 12 hours of the following:		12
AG 2345	Horse Management	
AG 2367	Animal Ultrasonography	
AG 3301	Genetics of Livestock and Plant Improvement	
AG 3302	Herbaceous Plant Materials	
AG 3304	Propagation of Horticultural Plants	
AG 3305	Woody Plant Materials for Outdoor Landscapes	
AG 3306	Flowers and Plants for Interior Design	
AG 3308	Organic Gardening	
AG 3314	Animal Health and Disease Control	
AG 3325	Animal Nutrition	
AG 3330	Applied Wildlife Nutrition	
AG 3331	Reproduction in Farm Animals	
AG 3345	Livestock Selection and Evaluation	
AG 4328	Advanced Animal Science-NonRuminants	
AG 4330	Food Technology: Processing Meats	

AG Electives II

Code	Title	Hours
Select 5 hours of the following:		5
AG 3321	Range Management	
AG 3329	Economic Entomology	
AG 3351	Agricultural Marketing and Sales	
AG 3352	Quantitative Methods in Agricultural Economics	
AG 3455	Land Surveying	
AG 4185	Current Problems in Technical Agriculture (3 hour maximum)	
AG 4300	Greenhouse and Nursery Management	
AG 4302	Fruit and Vegetable Crop Production	
AG 4304	Landscape Management	
AG 4305	Landscape Design	
AG 4381	Agricultural Policy	
AG 4383	Agricultural Resource Economics	

Bachelor of Science in Agriculture (B.S.A.G.) Major in Agriculture (Teacher Certification in Agriculture, Food and Natural Resources, Grade 6-12)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students cannot enroll in upper-level (3000-4000) agriculture courses until they have successfully completed MATH 1315 or MATH 1319 (Freshman Year), and CHEM 1341 and CHEM 1141.
3. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
4. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine semester credit hours must be writing intensive (WI).
6. In addition to the general education core curriculum and major requirements, students must also complete 12 hours of professional sequence courses through the College of Education. All coursework must be completed prior to AG 4681.
7. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
8. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	Hours
AG 1110[1]	1
AG 1445	4
AG 2390[1]	3

BIO 1330 (Life & Physical Sciences Component Code 030)	3
BIO 1130	1
MATH 1315 or 1319 (Mathematics Component Code 020)	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
US 1100	1
HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/Political Science Component Code 070)	3
	31

Sophomore	**Hours**
AG 2313 or 2379	3
AG 2373[1]	3
AG 2383	3
AG 2374	3
ENG Literature (Component Area Option Code 090/094)	3
CHEM 1341 (Life & Physical Sciences Component Code 030)	3
CHEM 1141	1
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
HIST 1320 (American History Component Code 060)	3
POSI 2320 (Government/Political Science Component Code 070)	3
	28

Junior	**Hours**
AG 3426	4
AG 3319	3
AG 3317 or 3318	3
AG 4325	3
AG 2310	3
AG 3310, 3353, or 4361	3
CI 4332	3
ANTH 1312, GEO 1310, PSY 1300, or SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
CI 3325	3
	31

Senior	**Hours**
AG 3345	3
AG 4185	1
AG 4343	3
AG 4212	2
AG 4307	3
AG 4311	3
AG 4681	6
RDG 3323	3
CI 4370	3
AG Advanced Elective	3
	30

Total Hours: 120

[1] Must be successfully completed in the first 45 college credit hours at Texas State.

Bachelor of Science in Agriculture (B.S.A.G.) Major in Agriculture Animal Science

Minimum required: 120 semester credit hours

General Requirements

1. Students cannot enroll in upper-level (3000 or 4000) agriculture courses until they have successfully completed MATH 1315 (http://mycatalog.txstate.edu/search/?P=MATH%201315) or MATH 1319 (http://mycatalog.txstate.edu/search/?P=MATH%201319), and CHEM 1341 (http://mycatalog.txstate.edu/search/?P=CHEM%201341) and CHEM 1141 (http://mycatalog.txstate.edu/search/?P=CHEM%201141).
2. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine semester credit hours must be writing intensive (WI).
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

Course Requirements

					Freshman
	Fall Semester	**Hours**		**Spring Semester**	**Hours**
US 1100		1	ENG 1320 (Communication Component Code 010)		3
AG 1110		1	AG 2310		3
ENG 1310 (Communication Component Code 010)		3	POSI 2310 (Government/ Political Science Component Code 070)		3

MATH 1315 or 1319 (Mathematics Component Code 020)	3	ANTH 1312, GEO 1310, PSY 1300, or SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3
BIO 1330 (Life & Physical Sciences Component Code 030)	3	AG 2390	3
BIO 1130	1		
AG 1445	4		
	16		15

Sophomore

Fall Semester	Hours	Spring Semester	Hours
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	AG 2313 or 2379	3
CHEM 1141	1	CHEM 1342 (Life & Physical Sciences Component Code 030)	3
HIST 1310 (American History Component Code 060)	3	ENG LIterature (Component Area Option Code 090/094)	3
POSI 2320 (Government/ Political Science Component Code 070)	3	CHEM 1142	1
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1320 (American History Component Code 060)	3
AG 2383	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	16		16

Junior

Fall Semester	Hours	Spring Semester	Hours
AG 3301	3	AG 3331	3
AG 3314	3	AG 3325	3
AG 3319	3	AG 3426	4
BIO 1331	3	ENG 3303	3
BIO 1131	1	Free Elective	1
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		
	16		14

Senior

Fall Semester	Hours	Spring Semester	Hours
AG 4326	3	AG 4307	3
AG 4325	3	AG 3352	3
AG 2345, 3345, or (3 Hour Agriculture Elective [3000-4000 level AG course])	3	AG 4328	3
AG 4330	3	AG 3321 or 3330	3
AG 3317, 3318, or 3351	3		
	15		12

Total Hours: 120

Bachelor of Science in Agriculture (B.S.A.G.) Major in Agriculture Animal Science (Pre-Veterinary Concentration)

Minimum required: 120-121 semester credit hours

General Requirements

1. Students cannot enroll in upper-level (3000 or 4000) agriculture courses until they have successfully completed MATH 1315 (http://mycatalog.txstate.edu/search/?P=MATH%201315) or MATH 1319 (http://mycatalog.txstate.edu/search/?P=MATH%201319), and CHEM 1341 (http://mycatalog.txstate.edu/search/?P=CHEM%201341) and CHEM 1141 (http://mycatalog.txstate.edu/search/?P=CHEM%201141).
2. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine semester credit hours must be writing intensive (WI).
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
US 1100	1	ENG 1320 (Communication Component Code 010)	3
AG 1110	1	AG 2310	3
ENG 1310 (Communication Component Code 010)	3	POSI 2310 (Government/ Political Science Component Code 070)	3
MATH 1315 or 1319 (Mathematics Component Code 020)	3	AG 2313, 2379, or BIO 1331 (and BIO 1131)	3-4
BIO 1330 (Life & Physical Sciences Component Code 030)	3	Social & Behavioral Sciences Component Code 080	3
BIO 1130	1		
AG 1445	4		
	16		15-16

Sophomore

Fall Semester	Hours	Spring Semester	Hours
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342	3

CHEM 1141	1	CHEM 1142	1
HIST 1310 (American History Component Code 060)	3	AG 3314	3
POSI 2320 (Government/ Political Science Component Code 070)	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1320 (American History Component Code 060)	3
ENG Literature (Component Area Option Code 090/094)	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	16		16

Junior			
Fall Semester	Hours	Spring Semester	Hours
AG 3301	3	AG 3331	3
CHEM 2341	3	AG 3325	3
CHEM 2141	1	CHEM 2342	3
COMM 2330 or 2338	3	CHEM 2142	1
BIO 2400	4	ENG 3303	3
		Free Elective	1
	14		14

Senior			
Fall Semester	Hours	Spring Semester	Hours
CHEM 4375	3	AG 4307	3
PHYS 1315	3	PHYS 1325	3
PHYS 1115	1	PHYS 1125	1
AG 4326 or 4328	3	AG 3352	3
AG 4325	3	AG 3319	3
Agriculture Elective (3000-4000 level AG course)	3		
	16		13

Total Hours: 120-121

Bachelor of Science in Agriculture (B.S.A.G.) Major in Agriculture Business and Management (Agribusiness Management Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. Students cannot enroll in upper-level (3000 or 4000) agriculture courses until they have successfully completed MATH 1315 or MATH 1319, and CHEM 1341 and CHEM 1141.
2. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine semester credit hours must be writing intensive (WI).
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

Course Requirements

Freshman	Hours
AG 1110[1]	1
AG 1445	4
AG 2390[1]	3
BIO 1330 (Life & Physical Sciences Component Code 030)	3
BIO 1130	1
MATH 1315 or 1319 (Mathematics Component Code 020)	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
US 1100	1
HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/Political Science Component Code 070)	3
	31

Sophomore	Hours
AG 2313 or 2379	3
AG 2373[1]	3
AG 2383	3
ACC 2361	3
ENG 3303	3
CHEM 1341 (Life & Physical Sciences Component Code 030)	3
CHEM 1141	1
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
ANTH 1312, GEO 1310, PSY 1300, or SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3
Select one of the following:	3
MATH 1329	
MATH 2321	
MATH 2417	

ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	31

Junior	Hours
ACC 2362	3
AG 3351	3
AG 3352	3
AG 3426	4
ECO 2315	3
ECO 3314	3
HIST 1320 (American History Component Code 060)	3
POSI 2320 (Government/Political Science Component Code 070)	3
AG Electives	3
AG 2310	3
	31

Senior	Hours
AG 3317 or 3318	3
AG 3319	3
AG 3353 or 3375	3
AG 4380	3
AG 4381	3
AG 4383	3
AG 4307	3
AG Electives	3
ENG Literature (Component Area Option Code 090/094)	3
	27

Total Hours: 120

[1] Must be successfully completed in the first 45 college credit hours at Texas State.

AG Electives

Code	Title	Hours
Select 6 hours of the following:		6
AG 3301	Genetics of Livestock and Plant Improvement	
AG 3302	Herbaceous Plant Materials	
AG 3304	Propagation of Horticultural Plants	
AG 3305	Woody Plant Materials for Outdoor Landscapes	
AG 3306	Flowers and Plants for Interior Design	
AG 3308	Organic Gardening	
AG 3310	Agriculture Power and Machinery Technology	
AG 3314	Animal Health and Disease Control	
AG 3321	Range Management	
AG 3325	Animal Nutrition	
AG 3329	Economic Entomology	
AG 3331	Reproduction in Farm Animals	
AG 3345	Livestock Selection and Evaluation	
AG 3427	Soil Science II	
AG 3455	Land Surveying	
AG 4185	Current Problems in Technical Agriculture (3 hour maximum)	
AG 4300	Greenhouse and Nursery Management	
AG 4302	Fruit and Vegetable Crop Production	
AG 4304	Landscape Management	
AG 4305	Landscape Design	
AG 4310	Agricultural Internship	
AG 4325	Feeds and Feeding	
AG 4326	Advanced Animal Science-Ruminants	
AG 4328	Advanced Animal Science-NonRuminants	
AG 4330	Food Technology: Processing Meats	
AG 4361	Agriculture Electric and Mechanical Systems	
BLAW 3363	International Business Law	

Bachelor of Science in Agriculture (B.S.A.G.) Major in Agriculture Business and Management (Agricultural Systems Management Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. Students cannot enroll in upper-level (3000 or 4000) agriculture courses until they have successfully completed MATH 1315 or MATH 1319, and CHEM 1341 and CHEM 1141.
2. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine semester credit hours must be writing intensive (WI).
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

Course Requirements

Freshman	Hours
AG 1110[1]	1
AG 1445	4
AG 2390[1]	3
BIO 1330 (Life & Physical Sciences Component Code 030)	3
BIO 1130	1
MATH 1315 or 1319 (Mathematics Component Code 020)	3

COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
US 1100	1
HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/Political Science Component Code 070)	3
	31

Sophomore	**Hours**
AG 2313 or 2379	3
AG 2373[1]	3
AG 2383	3
PHYS 1315 (Life & Physical Sciences Component Code 030)	3
PHYS 1115	1
ENG 3303	3
ENG LIterature (Component Area Option Code 090/094)	3
CHEM 1341 (Life & Physical Sciences Component Code 030)	3
CHEM 1141	1
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
ANTH 1312, GEO 1310, PSY 1300, or SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3
Select one of the following:	3
MATH 1329	
MATH 2321	
MATH 2417	
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	35

Junior	**Hours**
ACC 2361	3
AG 2374	3
AG 3310	3
AG 3351	3
AG 3352	3
AG 3426	4
HIST 1320 (American History Component Code 060)	3
POSI 2320 (Government/Political Science Component Code 070)	3
AG 2310	3
	28

Senior	**Hours**
AG 3317 or 3318	3
AG 3319	3
AG 3353 or 3375	3
AG 3455	4
AG 4361	3
AG 4380	3
AG Electives	4
AG 4307	3
	26

Total Hours: 120

[1] Must be successfully completed in the first 45 college credit hours at Texas State.

AG Electives

Code	**Title**	**Hours**
Select 4 hours of the following:		4
AG 3301	Genetics of Livestock and Plant Improvement	
AG 3302	Herbaceous Plant Materials	
AG 3304	Propagation of Horticultural Plants	
AG 3305	Woody Plant Materials for Outdoor Landscapes	
AG 3306	Flowers and Plants for Interior Design	
AG 3308	Organic Gardening	
AG 3314	Animal Health and Disease Control	
AG 3321	Range Management	
AG 3325	Animal Nutrition	
AG 3329	Economic Entomology	
AG 3331	Reproduction in Farm Animals	
AG 3345	Livestock Selection and Evaluation	
AG 3427	Soil Science II	
AG 4185	Current Problems in Technical Agriculture (3 hour maximum)	
AG 4304	Landscape Management	
AG 4305	Landscape Design	
AG 4310	Agricultural Internship	
AG 4325	Feeds and Feeding	
AG 4326	Advanced Animal Science-Ruminants	
AG 4328	Advanced Animal Science-NonRuminants	
AG 4330	Food Technology: Processing Meats	
AG 4381	Agricultural Policy	
AG 4379	Agriculture Irrigation Technology	
AG 4383	Agricultural Resource Economics	

Bachelor of Science in Agriculture (B.S.A.G.) Major in Agriculture Business and Management (Horticultural Business Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. Students cannot enroll in upper-level (3000 or 4000) agriculture courses until they have successfully completed MATH 1315 or MATH 1319, and CHEM 1341 and CHEM 1141.
2. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine semester credit hours must be writing intensive (WI).
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

Course Requirements

Freshman	Hours
AG 1110[1]	1
AG 2390[1]	3
BIO 1330 (Life & Physical Sciences Component Code 030)	3
BIO 1130	1
MATH 1315 or 1319 (Mathematics Component Code 020)	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
US 1100	1
HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/Political Science Component Code 070)	3
	27

Sophomore	Hours
AG 2313 or 2379	3
AG 2373[1]	3
AG 2383	3
ACC 2361	3
AG 3304	3
ENG 3303	3
ENG Literature (Component Area Option Code 090/094)	3
CHEM 1341 (Life & Physical Sciences Component Code 030)	3
CHEM 1141	1
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
ANTH 1312, GEO 1310, PSY 1300, or SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	34

Junior	Hours
AG 3305	3
AG 3306	3
AG 3329	3
AG 3351	3
AG 3352	3
AG 3426	4
AG Electives	3
HIST 1320 (American History Component Code 060)	3
POSI 2320 (Government/Political Science Component Code 070)	3
AG 2310	3
	31

Senior	Hours
AG 3302	3
AG 3317 or 3318	3
AG 3308	3
AG 3427	4
AG 4380	3
AG 4307	3
AG 3319	3
AG Electives	6
	28

Total Hours: 120

[1] Must be successfully completed in the first 45 college credit hours at Texas State.

AG Electives

Code	Title	Hours
Select 9 hours of the following:		9
AG 3301	Genetics of Livestock and Plant Improvement	
AG 4300	Greenhouse and Nursery Management	
AG 3310	Agriculture Power and Machinery Technology	

AG 3314	Animal Health and Disease Control	
AG 3321	Range Management	
AG 3353	Agricultural Structures and Environment	
AG 3455	Land Surveying	
AG 4185	Current Problems in Technical Agriculture (3 hour maximum)	
AG 4302	Fruit and Vegetable Crop Production	
AG 4304	Landscape Management	
AG 4305	Landscape Design	
AG 4310	Agricultural Internship	
AG 4361	Agriculture Electric and Mechanical Systems	
AG 4381	Agricultural Policy	
AG 4383	Agricultural Resource Economics	

Minor in Agriculture

The minor in Agriculture requires 19 semester credit hours. A minor in agriculture is ideal for someone majoring in the life sciences, family and consumer sciences, or in any discipline where knowledge of the food and fiber industry would be beneficial. Agriculture majors may not select a minor in Agriculture due to course duplication.

Code	Title	Hours
Required Courses		
AG 1445	Basic Animal Science	4
AG 2313	Agronomic Crops	3
AG 2373	Introduction to Agricultural Engineering	3
Choose 9 hours of advanced AG courses		9
Total Hours		19

Minor in Animal Science

The minor in Animal Science requires 19 semester credit hours.

Code	Title	Hours
Required Courses		
AG 1445	Basic Animal Science	4
AG 3325	Animal Nutrition	3
AG 3331	Reproduction in Farm Animals	3
Choose 9 hours from the following:		9
AG 3301	Genetics of Livestock and Plant Improvement	
AG 3314	Animal Health and Disease Control	
AG 3321	Range Management	
AG 3352	Quantitative Methods in Agricultural Economics	
AG 4326	Advanced Animal Science-Ruminants	
AG 4330	Food Technology: Processing Meats	
Total Hours		19

Minor in Horticulture

The minor in Horticulture requires 18 semester credit hours.

Code	Title	Hours
Required Courses		
AG 2379	General Horticulture	3
AG 3302	Herbaceous Plant Materials	3
AG 3305	Woody Plant Materials for Outdoor Landscapes	3
Choose 9 hours from the following:		9
AG 3304	Propagation of Horticultural Plants	
AG 3306	Flowers and Plants for Interior Design	
AG 3308	Organic Gardening	
AG 3426	Soil Science I	
AG 3427	Soil Science II	
AG 3455	Land Surveying	
AG 4300	Greenhouse and Nursery Management	
AG 4302	Fruit and Vegetable Crop Production	
AG 4304	Landscape Management	
AG 4305	Landscape Design	
AG 4379	Agriculture Irrigation Technology	
Total Hours		18

Minor in Plant and Soil Science

The minor in Plant and Soil Science requires 20 semester credit hours.

Code	Title	Hours
Required Courses		
AG 2313	Agronomic Crops	3
AG 3426	Soil Science I	4
AG 4302	Fruit and Vegetable Crop Production	3
Choose 10 hours from the following:		10
AG 3301	Genetics of Livestock and Plant Improvement	
AG 3304	Propagation of Horticultural Plants	
AG 3321	Range Management	
AG 3329	Economic Entomology	
AG 3427	Soil Science II	
AG 3455	Land Surveying	
AG 4379	Agriculture Irrigation Technology	
Total Hours		20

Second Teaching Field in Agriculture, Food and Natural Resources (Grades 6-12)

For students who are seeking a teacher certification within their major and would like a second teaching field in Agriculture, Food and Natural Resources, the requirements are:

Code	Title	Hours
AG 2373	Introduction to Agricultural Engineering	3
AG 2374	Metal Fabrication and Welding Technology for Agriculture	3
AG 2383	Introduction to Agricultural Economics	3
AG 3345	Livestock Selection and Evaluation	3
AG 4212	Program Building	2
AG 4325	Feeds and Feeding	3
AG 4343	Organization and Management for Laboratory Programs	3
Select one of the following:		3
AG 2313	Agronomic Crops	

AG 2379	General Horticulture	
Select one of the following:		3
AG 3310	Agriculture Power and Machinery Technology	
AG 3353	Agricultural Structures and Environment	
AG 4361	Agriculture Electric and Mechanical Systems	
Select one of the following:		3-4
AG 3305	Woody Plant Materials for Outdoor Landscapes	
AG 3306	Flowers and Plants for Interior Design	
AG 3426	Soil Science I	
Total Hours		29-30

All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

School of Criminal Justice

Hines Academic Center Room 108
Telephone: 512-245-2174 Fax: 512-245-8063
www.cj.txstate.edu (http://www.cj.txstate.edu)

The degree program in the School of Criminal Justice prepares students to serve the community in the operation and management of criminal justice agencies which include: federal, state, county, and municipal law enforcement; probation; courts; institutional corrections; parole; and related agencies. The major is founded on an interdisciplinary and academic approach to the role of criminal justice in the maintenance of social order in a democratic society.

Students pursuing a degree in criminal justice should be willing to meet the standards required of such a career. The majority of criminal justice agencies require sound academic preparation, psychological stability, physical agility, and a record free of felonies or excessive traffic offenses. The Criminal Justice program includes the development of advanced research and writing skills and includes interdisciplinary coursework.

Bachelor of Science in Criminal Justice (B.S.C.J.)

- Major in Criminal Justice (p. 113)

Minor

- Criminal Justice

Courses in Criminal Justice (CJ)

CJ 1310. Introduction to Criminal Justice.
History and philosophy of criminal justice: ethical considerations, crime defined, overview of criminal justice system, law enforcement, court system, prosecution and defense, trial process, and corrections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CRIJ 1301

CJ 2310. Police Systems and Practices.
Police profession: organization of law enforcement systems, the police role, police discretion, ethics, police-community interaction, and current and future issues. Prerequisite: CJ 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CRIJ 2328

CJ 2350. The Courts and Criminal Procedure.
Judiciary in the criminal justice system: structure of American court system, prosecution, right to counsel, pre-trial release, grand juries, adjudication process, types and rules of evidence, and sentencing. Prerequisite: CJ 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CRIJ 1306

CJ 2355. Correctional Systems and Practices.
Corrections in the criminal justice system: organization of correctional systems, correctional role, institutional operations, alternatives to institutionalization, treatment and rehabilitation, and current and future issues. Prerequisite: CJ 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CRIJ 2313

CJ 2360. Fundamentals of Criminal Law.
A study of the nature of criminal law: philosophy and historical developments, major definitions and concepts, classification of crime, elements of crimes and penalties using Texas Statutes as illustrations, and justifications of and defenses to criminal responsibility.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CRIJ 1310

CJ 3300. Juvenile Justice.
A study of the juvenile justice process to include both the specialized juvenile law and the role of the courts, police and corrections in juvenile justice. Prerequisite: CJ 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 3322. Race, Ethnicity and Criminal Justice.
This course examines the relationship between race/ethnicity and the criminal justice system. Theories of race/ethnicity and crime, the criminal justice system, and social systems including media, politics and economics are examined to form a comprehensive understanding of the social construction of race as it pertains to a racially disproportionate system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 3323. Mid-Level Management in Criminal Justice Agencies.
Introduction and overview of the organizational theories of classical behavioral, and systems management concepts. Included in the course content are analyses of the functions of management in modern CJ organizations, internal and external environmental factors, individual & group dynamics, motivation, and leadership styles. Prerequisite: CJ 2310 or CJ 2355 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 3325. Penology.
Role of the institution in the process of corrections including the philosophy of imprisonment, the inmate subculture and special problems and programs in institutions. Prerequisite: CJ 2355 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 3329. Forensic Evidence.
Investigator's role in collecting, preparing and presenting evidence in criminal trials. Special attention will be given to electronic evidence in addition to traditional physical evidence. Prerequisites: CJ 2350 and CJ 2360 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 3346. Research in Criminal Justice.
Analysis of criminal justice research, survey methods, and the utilization of research in criminal justice. (WI) Prerequisites: CJ 1310 and [CIS 1323 or CS 1308] and [CJ 3347 or MATH 2328 or PSY 2301 or SOCI 3307] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CJ 3347. Statistics For Criminal Justice.
The theory and application of statistical inferential techniques, and correlation and regression for behavioral science data and its applications in Criminal Justice. Emphasis is on the collection, analysis, and interpretation of statistical data in criminal justice settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4301. Internship I.
Field service training in public and private criminal justice agencies at the federal, state and local levels. The internship is designed to provide actual work experience, observation, and analysis in the student's chosen career field. (WI) Prerequisite: CJ 2310 and CJ 2350 and CJ 2355 and CJ 2360 and CJ 3346 and minimum 2.25 Texas State GPA and minimum 2.5 Major GPA.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Credit/No Credit

CJ 4302. Internship II.
Field service training in public and private criminal justice agencies at the federal, state and local levels. The internship is designed to provide actual work experience, observation, and analysis in the student's chosen career field. (WI) Prerequisite: CJ 2310 and CJ 2350 and CJ 2355 and CJ 2360 and CJ 3346 and minimum 2.25 Texas State GPA and minimum 2.50 Major GPA.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Credit/No Credit

CJ 4309G. Media and Crime.
This course focuses on media's role in social control of society by exploring public understanding of the problems associated with crime and their solutions through a critical examination of the relationships between the media, the criminal justice system, and crime in the larger context of society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 4309H. Wrongful Convictions.
This course examines factors contributing to wrongful convictions and the criminal justice system's response from an interdisciplinary perspective using research from the disciplines of law, criminology, and cognitive and social psychology as a foundation for examining how wrongful convictions occur and might be prevented in the future.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 4309I. The Death Penalty in the United States.
This course examines the contemporary controversies that surround the death penalty, including its administration, modes of execution, disparities in application, deterrent effect, related social/economic costs, impact on international relations, and the potential for miscarriages of justice. The history of the death penalty, including Supreme Court developments, will also be reviewed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 4309J. Sexual Offenders and Sexual Offenses.
This course examines the social and individual mechanisms responsible for the onset, persistence, and desistance of sexual offending using a criminological perspective. The current state of sex offender risk assessment, treatment, as well as policing and legal responses to this type of crime, are also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 4309K. Intelligence Analysis.
This course provides an overview of the importance of intelligence gathering in the global and domestic war on terrorism, and critically examines issues involved with the gathering of intelligence, techniques for the gathering of intelligence, methods of collecting, collating, analyzing and disseminating intelligence, and a review of current terrorist threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 4310. Special Problems in the Criminal Justice System.
A study of contemporary problems in administration, management, organization and operation of criminal justice agencies. (Capstone Course). (WI) Prerequisites: CJ 2310 and CJ 2350 and CJ 2355 and CJ 2360 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CJ 4314. Terrorism in the United States.
Terrorist groups operating in the U.S. are examined with special emphasis on the far-right (militia, Christian identity, neo-nazi, other racist groups). Analyzed are their belief systems and structures, organizational structure, tactics and targets, and weapons. Future trends are discussed, including the threat posed by nuclear, biological, and chemical terrorism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4316. Treatment in Community and Institutional Corrections.
A study of community based programs for adult and juvenile offenders, treatment modalities in various correctional settings, administration, legal issues, and future trends associated with community-based and institutional based treatment. Prerequisite: CJ 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4321. Occupational Crime.
A study of the problems of organized and upper social status criminal activities with emphasis on statutes and their application to fraud, embezzlement, deceptive trade practices and illegal trade practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4323. Special Operation Units in Law Enforcement and Corrections.
This course introduces students to the basic principles of Special Operations Units (SOUs) within criminal justice agencies. Topics include the necessity for such units, the changing nature of communities and policing in America, the principles of crisis management, the development/implementation of SOUs, selection/training/ operationalizing of personnel, and types of SOUs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4326. Women and Criminal Justice.
This course is designed to explore women's involvement in three primary areas of criminal justice-as victims, criminals and practitioners employed in criminal justice agencies. It will analyze the impact of sex and gender on such things as criminological theory, sentencing, prison subcultures victimization and career choices. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

CJ 4327. Ethics of Social Control.
This course is designed to explore moral decision making. Basic moral or ethical frameworks are applied to ethical decision which often need to be made in the criminal justice system. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CJ 4329. Organized Crime.
Survey of organized crime in contemporary society. Includes attention to crime types and methods, motivation, affiliations, and the effects of this type of criminality. Related legal and law enforcement perspectives will be covered, along with international and cyberspace issues. Prerequisite: CJ 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4330. Cybercrime.
This course introduces students to the concepts, technologies, techniques and legal and ethical issues associated with cybercrime, security, and computer forensics. Students will gain knowledge regarding development of national and international computer crime law, crimes unique to computer environments, and traditional crime involving computers and the Internet.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4331. Serial Murder.
This course covers the phenomenon of serial murder and the police investigative response. Theories, concepts, and law enforcement analytic methods are covered in detail. Emphasis is placed on understanding the reality versus the myth of serial murder, serial killers, and criminal profiling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4332. Advanced Criminal Justice Management.
A critical analysis of the nature of organizations within the criminal justice system. An analysis of theories of organizations and of organizational changes within law enforcement agencies. An examination of the quantitative data gathered by the Criminal Justice System and its effective use and presentation. Prerequisite: CJ 2310 or CJ 2355 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4335. The Psychology of Antisocial Behavior.
This course examines how psychological perspectives are used to explain antisocial behavior, by drawing on the intersection between theory and research in the following areas of psychology: developmental, child psychopathology, biological, personality, cognitive, and social.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4340. Crime Theory and Victimization.
Examination of the causes of crime and crime victimization and competing explanations for crime and the impact of crime on crime victims. This course draws on perspectives advanced by a number of diverse fields of inquiry, for example, biology, psychology, sociology, and the political and economic sciences. (WI) Prerequisite: CJ 3300 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CJ 4350. Contemporary Legal Issues in Law Enforcement.
An in-depth study of recent developments in criminal law and procedure. Their effects upon the criminal justice agency official in society will be given special attention. Includes specific case studies with emphasis on analyzing factual situations and legal issues. (WI) Prerequisite: CJ 2310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CJ 4352. Contemporary Legal Issues in Corrections.
A study of the developing body of law defining the rights and duties of persons confined in penal institutions with equal emphasis on legal issues associated with probationers, parolees, and similar status's within the corrections branch of the criminal justice system. (WI) Prerequisite: CJ 2355 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CJ 4362. Readings in Criminal Justice.
An individualized readings course tailored to the academic and professional interests and needs of the student. Emphasis is placed on developing in-depth knowledge of selected criminal justice subjects through directed research. Repeatable for credit with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CJ 4363. Independent Studies in Criminal Justice.
Independent study and research on topics in criminal justice related to a student's primary area of interest. Work may include individual research, critical reviews or integration of existing body of knowledge. Course may be repeated with different emphasis once for credit with approval of department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CJ 4365. Comparative Criminal Justice.
A survey of the organizational, administrative and philosophical principles of criminal justice systems around the world. (WI) Prerequisite: CJ 2310 or CJ 2355 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

Bachelor of Science in Criminal Justice (B.S.C.J.) Major in Criminal Justice

Minimum required: 120 semester credit hours

General Requirements

1. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.

2. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

3. For transfer students, 15 semester credit hours in criminal justice core curriculum (or their equivalents) may be transferred from a Texas public institution of higher education for the Criminal Justice Field of Study and be applied to the Bachelor of Science in Criminal Justice degree with a major in Criminal Justice at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. If transferring additional criminal justice courses please contact the College of Applied Arts Academic Advising Center for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
CJ 1310	Introduction to Criminal Justice	3
TCCN: CRIJ 1301		
CJ 2310	Police Systems and Practices	3
TCCN: CRIJ 2328		

CJ 2350	The Courts and Criminal Procedure	3
TCCN: CRIJ 1306		
CJ 2355	Correctional Systems and Practices	3
TCCN: CRIJ 2313		
CJ 2360	Fundamentals of Criminal Law	3
TCCN: CRIJ 1310		
Total Hours		15

4. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine semester credit hours must be writing intensive (WI).

Course Requirements

Freshman	Hours
CJ 1310	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
HIST 1310 (American History Component Code 060)	3
Mathematics Component Code 020	3-4
POSI 2310 (Government/Political Science Component Code 070)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
PSY 1300 (Social & Behavioral Sciences Component Code 080)	3
SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3
US 1100	1
	31-32

Sophomore	Hours
CJ 2310	3
CJ 2350	3
CJ 2355	3
CJ 2360	3
CS 1308 or CIS 1323	3
HIST 1320 (American History Component Code 060)	3
Life & Physical Sciences Component Code 030	6
POSI 2320 (Government/Political Science Component Code 070)	3
Statistics - Select one of the following:	3
CJ 3347	
MATH 2328	
SOCI 3307[1]	
PSY 2301	
	30

Junior	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
CJ 3300	3
CJ 3323	3
CJ 3346	3
CJ Advanced Electives[2,3]	9
ENG Literature (Component Area Option Code 090/094)	3
Electives	8
	32

Senior	Hours
CJ 4310	3
CJ 4340	3
CJ 4350 or 4352	3
CJ 4365	3
CJ Advanced Electives[2,3]	6
Elective	9
	27

Total Hours: 120-121

1 For the Statistics requirement, SOCI 3307 is recommended for Sociology minors.

2 CJ Advanced Electives must be chosen from the following lists of Career Interest courses in Corrections, Criminal Justice, or Law Enforcement.

3 Criminal Justice Advanced Electives may include CJ 4301 and CJ 4302. A student must meet the following requirements before being allowed to enroll in CJ 4301 or CJ 4302: Texas State GPA of 2.25, Major GPA of 2.50, permission of the Internship Coordinator, and the following courses: CJ 1310, CJ 2310, CJ 2350, CJ 2355, CJ 2360, and CJ 3346.

Code	Title	Hours
Corrections		
CJ 3322	Race, Ethnicity and Criminal Justice	3
CJ 3325	Penology	3
CJ 4301	Internship I	3
CJ 4302	Internship II	3
CJ 4309I	The Death Penalty in the United States	3
CJ 4316	Treatment in Community and Institutional Corrections	3
CJ 4327	Ethics of Social Control	3

Code	Title	Hours
Criminal Justice		
CJ 4301	Internship I	3
CJ 4302	Internship II	3
CJ 4309G	Media and Crime	3
CJ 4309H	Wrongful Convictions	3
CJ 4314	Terrorism in the United States	3
CJ 4321	Occupational Crime	3
CJ 4326	Women and Criminal Justice	3
CJ 4329	Organized Crime	3

CJ 4330	Cybercrime	3
CJ 4331	Serial Murder	3
CJ 4335	The Psychology of Antisocail Behavior	3

Code	Title	Hours
Law Enforcement		
CJ 3322	Race, Ethnicity and Criminal Justice	3
CJ 3329	Forensic Evidence	3
CJ 4301	Internship I	3
CJ 4302	Internship II	3
CJ 4314	Terrorism in the United States	3
CJ 4323	Special Operation Units in Law Enforcement and Corrections	3
CJ 4327	Ethics of Social Control	3
CJ 4332	Advanced Criminal Justice Management	3

Minor in Criminal Justice

The minor in Criminal Justice requires 18 semester credit hours.

Code	Title	Hours
Required Courses		
CJ 1310	Introduction to Criminal Justice	3
Choose 6 hours from the following:		6
CJ 2310	Police Systems and Practices	
CJ 2350	The Courts and Criminal Procedure	
CJ 2355	Correctional Systems and Practices	
CJ 2360	Fundamentals of Criminal Law	
Choose 9 hours from advanced CJ courses		9
Total Hours		18

School of Family and Consumer Sciences

Family and Consumer Sciences Building Room 101
T: 512.245.2155 F: 512.245.3829
www.fcs.txstate.edu (http://www.fcs.txstate.edu)

Major in Consumer Affairs

Majors have a choice of three different degree plans. Students choosing the Consumer Affairs major with a concentration in personal financial management, study family financial decisions, financial counseling and the role of the consumer in the economy and select a minor. Students prepare for careers in financial counseling, business consumer liaisons, consumer advocates, or government agency employees. In the Family and Consumer Sciences concentration, students take courses from all areas of Family and Consumer Sciences and select a minor. Graduates seek employment in business, the extension service, and community agencies. The teacher certification, approved by the Texas Education Agency, certifies graduates to teach Family and Consumer Sciences in 6-12th grades. See note below regarding admittance to the Child Development Center and Texas Teacher Certification Requirements.

Major in Human Development and Family Sciences

Students prepare for careers in public and private family and child support programs and community agencies including Early Childhood Intervention, Child Protective Services, foster care and adoption programs, health care, and early care and education facilities. Using an interdisciplinary approach, students focus on human development and relationships across the lifespan. As a condition for participation in a child development class that requires either observation or participation at the campus Child Development Center, students must undergo a criminal background check and provide verification of an annual TB test. See note below regarding admittance to the Child Development Center and Texas Teacher Certification Requirements.

Major in Fashion Merchandising

Fashion Merchandising majors are prepared for a variety of careers in the fashion industry including: retail management, buying, planning, allocating, fashion marketing and promotions. Students gain valuable hands-on experience through computer-based assignments, cutting-edge merchandising technology, internships, and study tours. Majors are required to complete a business administration minor to enhance their preparation for the fashion industry. Students may pursue a planning and presentation concentration.

Major in Interior Design

The interior design major prepares students for careers in all areas of the field, including residential and commercial interior design. The program is accredited by the Council for Interior Design Accreditation (CIDA), the recognized accrediting agency for the discipline in the United States and Canada. Students learn to develop and communicate design concepts, solve design problems, and present solutions in an effective and professional manner. They also learn the specific knowledge and skills necessary to practice interior design, such as color theory, design history, hand and computer drafting, space planning, selection of interior finishes, building codes, and interior lighting.

Major in Nutrition and Foods

Majors study the relationships between the dietary intake of whole foods, processed foods, functional foods and dietary supplements with the health of individuals and populations. Majors prepare for careers in medical nutrition therapy, food service administration, public health nutrition programs, government agencies, private practice, and consulting. The program also prepares majors for pursuing advanced degrees, academic research, and careers in food and wellness industries. The Dietetics track is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) and also fulfills didactic requirements for Texas licensing. Graduates of this track will receive a Verification Statement and are qualified to apply for post-graduate dietetic internships in pursuit of Registered Dietitian certification. See note below regarding admittance to the Child Development Center and Texas Teacher Certification Requirements.

Note: Admittance to the Child Development Center and Texas Teacher Certification Program

Child Development Center. Be advised that in the State of Texas, criminal convictions may affect a person's ability to be present in a Licensed or Certified Child Care facility (Chapter 42, Human Resources Code). Therefore, students enrolling in course work which requires any of the following: observation or participation at the campus Child Development

Center; or observing or student teaching in K-12 grade Texas schools must undergo a criminal background check. Criminal history will be reviewed and students may be subject to an investigation based on that criminal history.

Texas Teacher Certification Program. Criminal Background checks are required for progression through the Educator Preparation Program. Based on the information recorded in your criminal history, you may be ineligible for issuance of a certificate upon completion of the Educator Preparation Program. If you have a criminal history, the Office of Educator Preparation (OEP) recommends you pay for a Preliminary Criminal History Evaluation, from the Texas Education Agency, schedule an appointment for free legal counseling services through Texas State University's Attorney for Students, and disclose this information to the OEP.

Bachelor of Science in Family and Consumer Sciences (B.S.F.C.S.)

- Major in Consumer Affairs (p. 127)
- Major in Consumer Affairs (Family and Consumer Sciences Concentration) (p. 127)
- Major in Consumer Affairs (Teacher Certification in Family and Consumer Sciences, Grades 6-12) (p. 128)
- Major in Fashion Merchandising (p. 129)
- Major in Fashion Merchandising (Planning and Presentation Concentration) (p. 131)
- Major in Human Development and Family Sciences (p. 132)
- Major in Human Development and Family Sciences (Teacher Certification in Human Development and Family Studies, Grades 8-12) (p. 133)
- Major in Interior Design (p. 134)
- Major in Nutrition and Foods (p. 135)
- Major in Nutrition and Foods (Dietetics Concentration) (p. 136)
- Major in Nutrition and Foods (Teacher Certification in Hospitality, Nutrition, and Food Sciences, Grades 8-12) (p. 137)

Minors

- Consumer Affairs
- Family and Consumer Sciences
- Fashion Merchandising
- Human Development and Family Sciences

Subjects in this school include: CA (p. 116), FCD (p. 117), FCS (p. 119), FM (p. 120), ID (p. 122), NUTR (p. 124)

Courses in Consumer Affairs (CA)

CA 1341. Consumers in the Marketplace.
This course is an introduction to consumerism. Topics covered include: the consumer's role in the economy; consumer responses to the pressures of the economy (credit, inflation, and savings); and an analysis of the largest consumer expenditures (housing, food, and transportation).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ECON 1303

CA 1347. Family and Personal Resource Management.
This course focuses on the analysis of family and personal management processes including resource identification and factors that impact managment and decision making. Contemporary issues in the field such as changing family roles, one-parent families, aging, the handicapped, low income families, one-person family and alternate lifestyles will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 2341. Digital Applications in Consumer Finance.
This course provides students with an understanding of technology applications used to analyze consumer's financial situation, needs, and goals. Topics include constructing personal financial statements; cash flow; time value of money related to education, retirement, life insurance; and amortization. Students will use calculators, Microsoft Excel and personal financial planning software. Prerequisite: CA 1341 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 3341. Personal and Family Finance Goals and Strategies.
In this course students will examine personal/family financial management during different stages of the family life cycle. Topics include budgeting/recordkeeping to achieve economic goals, the role of credit and the need for financial counseling; economic risks and available protection; and alternative forms of saving and investments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 3342. Consumer Law.
This course explores the relationship between consumer laws (federal and state) and policy. Topics include consumer protection legislation which defines the consumer's rights/responsibilities and the appropriate avenues of redress on the part of the consumer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 3351. Consumer Financial Management I.
Principles and practices of individual and family financial management relating to insurance needs and selection, investment strategies to realize financial goals and income tax planning to improve financial well-being will be addressed. Technical skills required of financial couselors, planners and human resource management are emphasized. Prerequisites: CA 2341 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 3352. Consumer Financial Management II.
Principles and practices of individual and family financial management relating to retirement and estate planning to improve financial well-being will be presented. Technical skills required of financial counselors, planners and human resource management will be emphasized. Prerequisites: CA 2341 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 4301. Internship in Consumer Affairs.
This course is an Internship program in Consumer Affairs related professions, services, business, or industry. Must meet college, department and program requirements. Repeatable for credit with different emphasis. (Capstone Course).
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CA 4341. Personal and Family Financial Counseling.
This course is an in-depth study of the role of the financial counselor. Topics covered will increase awareness and knowledge of the characteristics of persons with financial difficulties, complexity of factors affecting such situations, desireable relationships between the helper and helped, and an awareness of community resources. Prerequisite: CA 1341 and [CA 1347 or CA 3341 or CA 3351 or CA 3352] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 4342. Personal and Family Financial Counseling Practicum.
This course focuses on applying financial counseling and consulting skills consistent with accepting financial counselor roles. Content includes theoretical models of financial counseling. Prerequisite: CA 4341 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 4391. Independent Study in Consumer Affairs.
This course involves independent reading and/or research on a specific topic related to students' primary area of interest. Work may consist of research, reviews, and integration of existing literature, or other appropriate independent work. Course may be repeated once for credit with approval of instructor.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Courses in Family and Child Development (FCD)

FCD 1351. Lifespan Development.
This course will cover the developmental principles underlying behavior as experienced in physical, intellectual, emotional and social changes across the lifespan. Emphasis will be on adult development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 1355. Introduction to Family Relationships.
This course will cover a range of research-based topics including the universality and uniqueness of American families, the establishment and maintenance of relationships, family formation, parenthood, and other aspects related to individual and family relationships through the lifespan.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 2351. Child Development.
Students will focus on development across domains from conception to adolescence and apply knowledge of child development to observations of children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

FCD 2352. Middle Childhood Development.
This course will focus on the typical developmental characteristics of children between the ages of six and twelve years across physical, motor, cognitive, language, social, and emotional domains. Students will explore developmentally appropriate out-of-school-time programs, including environments and activities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 2353. Principles of Guidance.
Students will examine research, theory, and developmentally appropriate practices related to children's social development and child guidance techniques. Participation in the Child Development Center is required. Restricted to Family and Child Development majors and minors. Prerequisite: FCD 2351 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

FCD 3344. Introduction to Infant and Early Childhood Mental Health.
This course is an introduction to the interdisciplinary understanding of the social and emotional development of infants and young children within the context of the family. Emphasis will be on the role of the infant mental health specialist in strengthening the development of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 3350. Sexuality Across the Lifespan.
This course focuses on sexuality development across the lifespan. Emphasis will be on the impacts of sexuality on a person's cognitive, social, emotional, and physical development with focus on how sexuality influences current critical issues for families and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 3351. Creative Experiences for Children: The Arts.
This course focuses on developmentally appropriate methods, materials, and planning for children's programs through language, literature, music, art, play, and social studies. Participation in the Child Development Center is required. Prerequisite: FCD 2353 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

FCD 3352. Development of Programs for Children.
This course focuses on the study of group care programs for children including the implementation and assessment of developmentally appropriate programs. Various theoretical and philosophical components will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCD 3353. Family Life Education.
This course focuses on the relationships between core, research-based knowledge, educational practice, and audience characteristics in family life education. Students will have the opportunity to develop, practice, and evaluate family life materials and presentations. (WI) Prerequisites: FCD 2353 and [FCD 1355 or FCD 3355] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCD 3354. Creative Experiences: STEM.
This course will focus on the application of methods, materials, and planning in the development of curriculum for young children through math, science, engineering, and technology. Participation in the Child Development Center is required. Prerequisite: FCD 2353 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

FCD 3356. Introduction to Early Childhood Intervention.
This course provides an interdisciplinary orientation to the professional discipline of early childhood intervention and the early intervention specialist. Prerequisite: FCD 2351 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 3358. Practicum in Child Development.
Structured practical experience in approved early care and education programs. Prerequisites: FCD 2353 and [FCD 3351 or FCD 3354] both with grades of "D" or better or instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

FCD 3359. Family Diversity.
This course will explore both the internal dynamics and external environments of diverse family forms — including prevalence, social conditions leading to and sustaining their existence, common stereotypes, and recent research. Prerequisite: FCD 3355 or FCD 1355 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 3394. Adolescent Development.
A study of adolescence as it relates to current critical issues for families and society. The course will focus on specific techniques to analyze and assist the development of adolescents. Emphasis will be on theory and research as it explains the development process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 4301. Internship in Family and Child Development.
This course provides internship fieldwork in related professions, services, industry, or business for students in Family and Child Development. Students must meet college, department, and program requirements.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

FCD 4302C. Conducting Research on Latino Families.
This course is an introduction to research with Latino families. Through the course students will explore current research issues via reviewing research articles. Students will also conduct research with Latino families, gaining important research experience. Prerequisite: Minimum 2.5 Texas State GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCD 4302D. Language, Literacy, and Children's Literature.
Students will explore the foundations of children's language development and literacy skills using the various forms and genres of children's literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCD 4302E. Latino Youth and Families.
This course is an introduction to research regarding the development of Latino youth and families, exploring the most common physical, cognitive, and socio-emotional aspects of development. Students will learn that these changes are dynamically interrelated and diverse, often depending on factors such as gender and cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCD 4302F. Middle Childhood Development.
This course will focus on the typical developmental characteristics of children between the ages of six and twelve years across physical, motor, cognitive, language, social, and emotional domains. Students will explore developmentally appropriate out-of-school-time programs, including environments and activities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCD 4302G. Conducting Research in Early Childhood.
This course provides students an opportunity to explore and develop fundamental concepts, principles, and methods of research in early childhood, with emphasis on critiques, interpreting and applying research results and participating in the research process. Prerequisite: Minimum 2.5 Texas State GPA.
3 Credit Hours. 1 Lecture Contact Hour. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

FCD 4351. Cultural Diversity of Families.
Students will study cultural diversity with an emphasis on different racial and/or ethnic groups, religions, and social classes. Students will explore selected family science research methods and topics including family function, family life patterns, multicultural groups, agents of enculturation, and family life education as they relate to cultural diversity. (MULT)(WI) Prerequisite: FCD 1355 or FCD 3355 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

FCD 4352. Administration of Programs for Children.
This course addresses the history, philosophy, and ethics of programs for young children. Emphasis on responsibilities of the child care administrator in relation to staff, budgets, facility laws, and standards of agency management. Prerequisite: FCD 2353 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 4353. Introduction to Child Life.
This course introduces students to theoretical and practical methods of working with children and their families in health care settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 4355. Family Theory.
Study and comparison of various theories, family structures, and transitions. Investigation of interaction strategies to enhance successful family function across various family structures and transitions. Prerequisite: FCD 1355 or FCD 3355 either with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 4356. Administration of Human Service Organizations.
Students will study the implementation of non-profit family and child development programs. Emphasis will be on the leadership and management of human service organizations including program staffing, strategic planning, problem solving, grant writing, and ethical leadership. Prerequisite: FCD 2353 and [FCD 1355 or FCD 3355] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 4357. Comparative Studies in Child Development.
The study of international early care and education systems including philosophy, goals, funding, and regulation. The role of government policies in the development and implementation of systems will be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCD 4358. Latino Youth and Families.
This course is an introduction to research regarding the development of Latino youth and families, exploring the most common physical, cognitive, and socio-emotional aspects of development. Students will learn that these changes are dynamically interrelated and diverse, often depending on factors such as gender and cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCD 4391. Independent Study in Family and Child Development.
Independent reading and/or research on a specific topic related to student's primary area of interest. Work may consist of research, reviews and integration of existing literature, or other appropriate independent work. May be repeated once for credit with approval of instructor. (WI).
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

Courses in Family and Consumer Sciences (FCS)

Many of the subject-matter courses in Family and Consumer Sciences are open to non-majors as electives.

FCS 1310. Foundations in Family and Consumer Sciences.
This course provides an overview of the field of Family and Consumer Sciences as it relates to human ecology, emphasizing its interdisciplinary nature, history, theories, career opportunities, and career readiness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 3303. Introduction to Research in Family and Consumer Sciences.
This course examines practices in the social science research process, with an emphasis on general scientific literacy. Content will focus on technical and academic writing for use in the Family and Consumer Sciences profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCS 4101. Special Problems in Family and Consumer Sciences.
A study of selected areas of Family and Consumer Sciences. Repeatable for credit with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Dual Enrollment Permitted|Header|Time Conflicts Permitted
Grade Mode: Standard Letter

FCS 4303. Research Procedures in Family & Consumer Sciences.
The study and implementation of research procedures for use with family and consumer sciences programs. Includes instrument selection, recruitment and testing of subjects, coding, analysis and dissemination of data. Will include field based experiences using appropriate research procedures. Restricted to Senior Standing. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCS 4304A. Family Finance II.
This course is a study of financial management for individuals and families. Topics include financial inequality, investments, retirement planning, and estate planning. Prerequisite: CA 3341 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCS 4304B. Introduction to Research Methods in Family and Consumer Sciences.
The examination of practices in the social science research process with an emphasis on general scientific literacy and technical, academic writing for use with Family and Consumer Sciences programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

FCS 4340. International Study in Family and Consumer Sciences.
Study of Family and Consumer Sciences topics in international settings. Emphasis will be placed on cultural awareness and its application within FCS professions. Repeatable for credit with different emphasis. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

FCS 4343. Occupational Education in FCS.
Its purpose is to help prepare students for teacher certification and teach occupational education content in 11-12 grade FCS classrooms. Occupational education course in 11-12 grades such as Services for Older Adults, Hospitality Services, Childcare and Guidance and Food Production, management and services are designed for students to gain extensive management skills and practical work experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 4344. Instructional Management for Family and Consumer Sciences.
This course provides students with hands-on application of the Texas Teaching Proficiencies as outlined by the Texas Teacher Evaluation and Support System (T-TESS) and the Danielson Framework. Principles and practices specifically needed for managing the FCS classroom will be addressed.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCS 4347. Family Policy.
This course is an examination of policy-making and the significance of national, state and local policies that affect families. Students will analyze social policies, including government programs and legislation, and discuss how to influence change in policies. Use of the Internet and computer software programs such as Word, PowerPoint, and others required. Requires Senior Standing. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCS 4681. Family and Consumer Sciences: Principles and Process.
Students will apply knowledge and skills learned during the teacher preparation program while engaging in clinical practice with experienced Family & Consumer Sciences mentor teachers in school settings with university instruction and supervision. This culmination experience is required for Texas teacher certification. Requires departmental approval through the OEP. Prerequisites: Admittance to the Educator Preparation Program, 2.75 Overall GPA; Additional coursework may not be taken concurrently; For undergraduate students, all other degree-required course work must be completed; For graduate and post-baccalaureate students, all certification coursework must be completed.
6 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

Courses in Fashion Merchandising (FM)

FM 1330. Introduction to Fashion Merchandising.
Survey of the fashion industry including an overview of the development, production and distribution of fashion goods and services.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 1332. Textiles.
A consumer-oriented study of the relationship of fibers, fabrics, and textile product end-uses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 2330. Aesthetics and Branding.
The study of promotional strategies unique to the fashion industry. Emphasis is placed on techniques used at the retail level. Prerequisite: FM 1330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 2334. Fashion Product Analysis.
This course focuses on the study of fashion product manufacturing, including textile product quality control issues important to manufacturers, retailers, and consumers. Emphasis is placed on specifying quality based on appearance, cost, durability, and end-use of textile products. Prerequisite: FM 1330 and FM 1332 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 2335. Gender, Appearance, and Society.
The investigation of the role of dress and appearance in nonverbal communication, development of the self and gender identity, and social interactions of individuals with a particular emphasis on diverse appearances by various cultural groups.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 2336. Introduction to Merchandising Technology.
This course introduces new technologies and industry software used in the merchandising industry and prepares students to take advanced courses that rely on these technologies and software. Topics include Adobe Photoshop and Illustrator, Microsoft Excel, SPSS statistics, and Space Planning software.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 3320. Special Events Planning.
This course is an in-depth study of selected topics and emerging issues related to the planning of special events. Course emphasis will be on planning, organizing, implementing and evaluating special events. Prerequisite: FM 2330 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 3330. Fashion Buying Principles I.
Quantitative concepts used in merchandising fashion goods with an emphasis on profitability. Prerequisite: [FM 2334 or FM 2336] and [MATH 1315 or MATH 1316 or MATH 1319] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 3332. Fashion Promotional Strategies II.
The study of promotional strategies unique to the fashion industry. Emphasis is placed on techniques initiated by manufacturers and wholesalers of fashion products. Prerequisites: FM 2330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 3333. Merchandise Presentation and Planning.
This course is designed to apply critical thinking skills within the context of retail store space planning and presentation, product category management, and merchandise allocation for a variety of retail business types. Prerequisite: FM 2330 and [FM 2334 or FM 2336] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 3334. Fashion Merchandising Administration.
The study of human resource management in the fashion industry including recruitment, development, assessment, and compensation. Prerequisite: FM 1330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 3335. History of Fashion.
This course is a survey of textiles, dress and adornment from pre-history through the ancient Eastern and Middle Eastern cultures to the development of Western civilization ending with the Industrial Revolution.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 3336. Modern Fashion Trends.
This course is a chronological study of fashion, dress and adornment from the Industrial Revolution through modern times. Emphasis in the course is on the socio-economic, political, and technological factors contributing to the evolution of fashion.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 4101. Special Problems in Fashion Merchandising.
A study of selected areas of Fashion Merchandising. Repeatable for credit with different emphasis.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

FM 4301. Internship in Fashion Merchandising.
This course is an Internship in Fashion Merchandising-related professions focused on production, distribution, or retailing of fashion goods, or auxiliary services. Repeatable for credit once. Prerequisite: FM 3334 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

FM 4302B. Specialty Fashion Markets.
An in-depth study of specialty fashion markets including historic background; significance of the market; terminology; product assortment, development, production and distribution; and trend analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FM 4302F. Trends Forecasting and Social Media.
This special topics course in Fashion Merchandising will focus on specific methods for forecasting fashion trends and the role of social media in the diffusion of fashion trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FM 4302G. Creative Problem Solving.
An in-depth study of selected topics or emerging issues of particular relevance to Fashion Merchandising professionals. Course may be repeated for credit with a different emphasis. Prerequisite: [FM 1332 or ID 2325 or NUTR 1362] with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FM 4320. Fashion Merchandising in Domestic Markets.
An on-site study of domestic fashion market centers. Course examines the design, production, and distribution of fashion products and services at various market levels. Repeatable for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

FM 4331. Fashion Buying Principles II.
This course is a study of the fashion merchandise buyer, planner, and allocator roles emphasizing retail merchandising functions. These include developing merchandise plans, selecting products, and negotiating terms. Using best-practice industry software, students will analyze merchandising data to manage inventory levels, and evaluate performance of sales and profit. Prerequisite: FM 3330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 4333. Advanced Merchandise Planning and Presentation.
This course is an advanced study of category management strategies with an emphasis on recognizing and evaluating performance date in space planning. This capstone course will focus on creating visual displays based on product selection and projected profit and sales. Prerequisite: FM 3333 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 4334. Fashion Product Development.
The course will focus on fashion product development for target markets. Emphasis of the course will be placed on line development, product specification, color and textile selection, sizing and product costing. Prerequisite: FM 1332 and [FM 2334 or FM 2336] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 4335. Principles of Fashion Consumption.
An analysis of variables, concepts and theories related to the role of the consumer in fashion and fashion product consumption. Prerequisite: FM 2335 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 4337. Fashion Merchandising.
The study of managerial decisions in fashion retailing with an emphasis on operational issues. Prerequisite: FM 1330 and FM 2330 and FM 3330 and FM 3334 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FM 4338. Enterprise Development.
Principles and procedures used in creating successful enterprises to meet consumer demand, including consumer research, logistical issues, and strategic planning. Examines various product and service offerings in traditional and non-traditional outlets.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 4339. Fashion Economics.
Economic perspective of textile products, production and global sourcing with emphasis on U.S. fashion industries. (WI) Prerequisite: [FM 1330 and FM 1332 both with grades of "C" or better] and [ECO 2301 or ECO 2314 or ECO 2315 with a grade of "D" or better].
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FM 4340. Fashion Merchandising in International Markets.
Study of Fashion Merchandising topics in international settings. Emphasis will be placed on market differences and cultural awareness, and the implications within Fashion Merchandising professions. Repeatable for credit with different emphasis. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

FM 4391. Independent Study in Fashion Merchandising.
Independent reading and/or research on a specific topic related to students' primary area of interest. Work may consist of research, reviews, and integration of existing literature or other appropriate independent work. May be repeated once for credit with approval of instructor. (WI) Prerequisite: FM 1330 with a grade of "D" or better and instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

Courses in Interior Design (ID)

ID 1310. Introduction to Interior Design.
This introductory lecture course investigates interior design from social, ecological, cultural, and spatial perspectives related to human habitation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ID 1320. Design Graphics I.
This course provides specialized training in manual and digital graphic communication required in the interior design profession. It includes architectural drafting, illustrative sketching, design diagramming and schematics, and basics of orthographic and perspective drawing with emphasis in both technical and aesthetic expression.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ID 2000. Interior Design Proficiency Review.
During this course, students will study independently to prepare for a performance-based review in which they will demonstrate the ability to apply essential interior design skills and knowledge. Interior Design majors must pass Proficiency Review to gain access to further interior design coursework. Prerequisite: ARTF 1302 and ID 1310 and ID 1320 all with grades of "D" or better. Corequisite: ARTC 2305 and ID 2322 both with grades of "D" or better.
0 Credit Hours. 0 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ID 2321. History of Interiors.
Survey of historical styles of furnishings, architecture, and interiors from the Egyptian period to the Industrial Revolution.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ID 2322. Basic Interior Design.
This course is an introductory studio for Interior Design majors, analyzing the elements and principles of design as applied to interior environments. Applications of these fundamental components, including finishes, materials, and styles, will be demonstrated by class projects. Prerequisite: ARTF 1302 and ID 1310 and ID 1320 all with grades of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ID 2323. Design Development.
This course is an introduction to the process of design development and planning of interior space with an emphasis on graphic visualization as a creative process and design tool. Prerequisite: ID 2322 with a grade of "C" or better. Corequisite: ARTC 2305 and ID 2321 both with grades of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ID 2324. People, Environment, and Behavior.
This studio course focuses on the physical and psychological needs of inhabitants of interior space. Students are exposed to theories of environmental perception, human factors, and universal design principles to be applied to design solutions. User needs are demonstrated through the application of space planning throughout the design process. Prerequisite: ID 2323 with a grade of "C" or better. Corequisite: ID 3320 with a grade of "D" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ID 2325. Materials and Sources.
This course is an in-depth study of materials and finishes specified for residential and commercial interiors. Material properties, fabrication, installation methods, applications, sustainability, maintenance requirements and sourcing are addressed. Prerequisite: ID 2322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3320. Design Graphics II & Portfolio.
In this course, students are exposed to various means and methods for using digital media throughout the interior design process. Instruction on presentation graphics, branding and digital publication strategies of a student design portfolio are also addressed. Prerequisite: ID 2322 with a grade of "C" or better. Corequisite: ID 2323 or ID 2324 either with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3321. Contemporary Interiors and Architecture.
A survey of contemporary styles of furnishings, architecture, and interiors from the 19th century to the present. Prerequisite: ID 2321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3322. Studio I: Residential Interior Design.
This studio course introduces students to various dimensions, purposes, and characters relative to the small and large residential spaces. Prerequisite: ID 2324 and ID 3320 with a grade of "C" or better. Corequisite: ID 3325 or ID 3326 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3323. Studio II: Commercial Interior Design.
This course focuses on the analysis, planning, design and furnishing of small to moderate commercial and other non-residential spaces. Topics include design programming, the design development process, simple contract document preparation and visual and verbal presentation methods. Prerequisite: ID 2325 and ID 3322 both with grades of "C" or better. Corequisite: ID 3324 and ID 3327 and [ID 3325 or ID 3326] all with grades of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3324. Professional Practices.
This course focuses on the business principles, ethics, and procedures for the interior designer. Prerequisite: Instructor approval. Corequisite: ID 2324 or ID 3322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ID 3325. Interior Lighting Design.
This course focuses on the study of natural and manufactured light sources relative to the interior environment. Emphasis is placed on light science and technology and the effects on health, behavior, color and form, and includes issues of aesthetics, energy conservation, codes, evaluation, and specifications. Prerequisite: ID 2323 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3326. Comprehensive Interior Design.
This course is an advanced study of materials, systems, codes and other factors relating to public health, safety, and welfare in interior environments. Through lecture and application of resources, materials and design technologies, the course addresses specifying, scheduling, budgeting, and resource conservation. Prerequisite: ID 2323 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3327. Building Construction in Interior Architecture.
This course explores the understanding of interior construction and documentation for interior architecture projects. Expression of design intent as construction documents is reinforced in structured classroom experiences, guest lecturers, and on-site visits. Understanding of base building construction and systems will be demonstrated through completion of the set of drawings. Corequisite: ID 2323 and ID 3326 and [ID 2324 or ID 3322] all with grades of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3329. Housing, Interiors, and Furnishings.
An application of the basic design principles in planning, designing, and furnishing interiors for contemporary living to reflect function, economy, beauty, and individuality for varying income levels.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ID 4101. Special Problems in Interior Design.
A study of selected areas of Interior Design.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ID 4120. Portfolio Design.
Portfolio preparation and production for seeking employment with design firms. Includes instruction on graphic and publication design, business structures and portfolio strategies. For graduating interior design majors. Prerequisites: ID 4323 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ID 4301. Internship in Interior Design.
Internship experience in the Interior Design profession. (Capstone Course) Prerequisites: ID 3321 and ID 3323 and ID 3324 and ID 3325 and ID 3326 all with grades of "C" or better and instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ID 4302A. Historic Preservation.
Introduction to the field of historic preservation, including history, theory, planning, advocacy, law, conservation, and adaptive use, emphasizing the Secretary of the Interior's Standards for Rehabilitation. Students combine design and technical knowledge to approach historical design problems in creative, sensitive, and economical ways. Prerequisite: ID 3321 and ID 3322 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ID 4302C. Lighting Research and Applications.
An in-depth study of light and color and its impact on people's behavior in interior environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ID 4302F. Color Theory and Design Applications.
An introduction to color theory and principles with a fundamental understanding of the psychological and physiological effects color has on human perception. Characteristics of major hues which influence design and behavior and how to use, design, and apply color in the creative process will be studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ID 4302G. Color Theory & Design Applications.
An introduction to color theory and principles with a fundamental understanding of the psychological and physiological effects color has on human perception. Characteristers of majors hues which influence design and behavior and how to use, design, and apply color in the creative process will be studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ID 4323. Studio III: Research and Advanced Commercial Interior Design.
This course expands student understanding and application of design research methods including evidence-based design in the commercial interior environment. Topics include advanced design research methods, programming and large-scale space planning, finish selection/specifying, furnishings design and detailing, and presentation strategies through creative problem solving and contract document preparation. Prerequisite: ID 3323 and ID 3327 both with grades of "C" or better. Corequisite: ID 3321 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ID 4324. Studio IV: Contemporary Design Issues.
This course requires students to conduct specialized research in interior design to include design issues such as barrier free environments, medical facilities, historic preservation/adaptive re-use, international interiors, energy issues, sustainable design and design for special needs. Prerequisite: ID 4323 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ID 4391. Independent Study in Interior Design.
Independent reading and/or research on a specific topic related to student's primary area of interest. Work may consist of research, reviews, and integration of existing literature, or other appropriate independent work. May be repeated once for credit with approval of instructor. (WI).
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

Courses in Nutrition and Foods (NUTR)

NUTR 1162. Food Systems Laboratory.
This course provides for application of the management techniques and concepts of planning, preparation, cost analysis, and evaluation covered in NUTR 1362. Corequisite: NUTR 1362 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 1362. Food Systems.
Nutrition, food science, and management principles in planning, procuring, preparing, preserving, evaluating, and serving food to fulfill dietary requirements of individuals and diverse cultural groups. Includes federal legislation, environmental issues, and culinary principles. Corequisite: NUTR 1162 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 2162. Food Science Laboratory.
Students engage in laboratory techniques and exercises related to food, chemistry, microbiology, nutrition, food palatability, and food safety. Prerequisite: NUTR 2360 with grade of "C" or better. Corequisite: NUTR 2362 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 2360. Nutrition Science.
The science of human nutrition with emphasis on nutrient digestion, absorption, and excretion; nutrient metabolism, requirements, and sources. Prerequisite: Three semester hours of science.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BIOL 1322

NUTR 2361. Nutritional Assessment.
This course teaches the principles and techniques of assessing nutritional status, presents interviewing and nutrition counseling theories, development of individualized treatment plans and educational tools, and accessing community nutrition resources. Practical application is provided through assignments and in-class experiences. Prerequisite: NUTR 1362 and NUTR 2360 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 2362. Food Science.
Students learn the scientific principles underlying the relationships among food, chemistry, microbiology, nutrition, and food safety as related to the major food groups. Prerequisites: 3 hours of chemistry or biology, and NUTR 2360 with grade of "C" or better. Co- or prerequisite: NUTR 2162 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 3303. Research Methods in Nutrition Science.
This course will focus on the evaluation of research concepts, methods, and strategies used in nutrition research. Topics include epidemiological, community, clinical, animal, and cell culture models, study design, statistical analysis and dissemination of research findings. Students will locate, read, and evaluate scientific literature. Prerequisites: FCS 3303 and NUTR 3367 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 3362. Nutrition and Health.
For non-science majors. Involves the study of the nutrients and their function in promoting health throughout the life span. Includes standards for consumer selection of a proper diet and analysis of nutrition-related health problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 3363. Nutrition for Wellness and Fitness.
Students will study the causes and treatment of overweight and obesity and the effects of dietary and lifestyle choices on attainment and maintenance of health and prevention of chronic diseases. Basic exercise physiology is introduced and dietary recommendations for sports, fitness and prevention of eating disorders are also presented. Prerequisite: NUTR 2361 and NUTR 3367 and [BIO 2430 or (BIO 2451 and BIO 2452)] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 3364. The Science of Nutrition and Exercise.
This course focuses on basic nutritional science, with emphasis on the physiological and biochemical importance of nutrition to physical performance, health, and fitness. The use and efficacy of ergogenic aids will be investigated. The course requires reading and interpreting the scientific literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 3367. Nutrition and Physiology.
This course integrates the study of nutrition with other biological sciences, focusing on cellular and molecular physiological processes related to digestion, absorption, transport, and metabolism of nutrients and other dietary components. Prerequisite: NUTR 2360 and BIO 2430 both with grades of "C" or better and CHEM 1141 and CHEM 1341 and CHEM 1142 and CHEM 1342 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4101. Special Problems in Nutrition and Foods.
Independent reading and/or research on a specific topic related to students' primary area of interest. Work may consist of research, reviews, and integration of existing literature, or other appropriate independent work. May be repeated once for credit with approval of instructor.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

NUTR 4167. Food Systems-Production & Management Laboratory.
This course provides for the application of the management techniques and concepts of institutional food production covered in NUTR 4367. Prerequisite: NUTR 1362 and NUTR 2360 both with grades of "C" or better. Corequisite: NUTR 4367 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4301. Career Exploration in Nutrition and Foods.
Students engage in applied experience under the supervision of a professional mentor in nutrition and foods-related professions, services, businesses, and/or research. (Capstone Course). Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4302C. Micronutrients.
A study of the biochemical and physiological foundations of nutrition. Information pertaining to biochemical structure, metabolism and physiological regulation of minerals and fat-soluble vitamins. Prerequisite: NUTR 2360 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

NUTR 4302E. Community Nutrition.
A study of community nutrition programs addressing food insecurity, prevention and treatment of chronic diseases, and health promotion among special populations, including maternal, infant, child, adolescent and older adults. Review of national and international healthcare systems; program planning incorporating evidence-based intervention strategies. Prerequisite: NUTR 2360 or NUTR 3362; NUTR 4365.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

NUTR 4350. Hospitality.
Focus on the principles underlying operations in the hospitality industry. Concepts include residential and lodging operations, guest expectations, food, beverage, and maintenance services, promotions, budget control, personnel and security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4360. Medical Nutrition Therapy.
This course explains the physiological and biochemical abnormalities of certain disease states of human body systems with emphasis on diet modification as a therapeutic measure. Prerequisite: NUTR 3367 and [BIO 2430 or (BIO 2451 and BIO 2452)] both with grades of "C" or better and NUTR 4365 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4361. Biochemical Nutrition.
A study of the biochemical and physiological foundations of nutrition. Information pertaining to cytology, biochemical structure of nutrients, energy transformations, nutrient-drug interactions, and the anatomy, physiology, and nutrient metabolism of major organ systems is covered. Prerequisite: NUTR 3367 and [BIO 2430 or (BIO 2451 and BIO 2452)] both with grades of "C" or better and NUTR 4365 with grade of "D" or better. Corequisite: [CHEM 2150 and CHEM 2350] or CHEM 3375 or CHEM 4375 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4362. Nutrition and Genetics.
This course will examine the specific processes in intermediary nutrient metabolism and their genetic regulation. The effects of nutrients on gene expression, cell signaling, cell physiology, and disease processes will also be explored. Prerequisite: NUTR 3367 and [BIO 2430 or (BIO 2451 and BIO 2452)] and [BIO 2400 or BIO 2440] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4363. Nutrition Counseling and Education.
Study of teaching/learning styles and development of counseling skills to improve the nutritional status of individuals, families, and groups. Development of effective nutrition education materials and media communications. Prerequisite: NUTR 2361 with a grade of "C" or better and NUTR 4365 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4365. Nutrition in the Life Span.
This course provides for the in-depth study of the normal growth, development, and nutritional requirements associated with pre-pregnancy, pregnancy, infancy, childhood, adolescence, and the older adulthood. (WI) Prerequisite: NUTR 2361 and NUTR 3367 and [BIO 2430 or (BIO 2451 and BIO 2452)] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

NUTR 4366. Ethics and Policy in Nutrition.
This course addresses the influence of government, interest groups, media, and industry on nutrition policy decisions, public and private funding, nutrition education, the food supply and food choices, and includes discussion of ethical considerations that have an impact on public health. (WI) Prerequisite: NUTR 1362 with grade of "C" or better and NUTR 4365 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

NUTR 4367. Food Systems-Production & Management.
Students study the principles, policies, and procedures for planning, procurement, staffing, production, evaluation, and research in institutional food service. Topics include systems design, decision hierarchy, organizational structure, and personnel selection, training, and management. Prerequisite: NUTR 1362 and NUTR 2360 both with grades of "C" or better. Corequisite: NUTR 4167 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4391. Independent Study in Nutrition and Foods.
Independent reading and/or research on a specific topic related to students' primary area of interest. Work may consist of research, reviews, and integration of existing literature, or other appropriate independent work. May be repeated once for credit with approval of instructor. (WI).
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

Bachelor of Science in Family and Consumer Sciences (B.S.F.C.S.) Major in Consumer Affairs (Personal Financial Management Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to general education core curriculum and degree requirements, this major requires specialized courses in consumer education, family and personal resource management, family finance, consumer law, family financial counseling and family policy.
3. Students participate in an internship in a related area.
4. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine semester credit hours must be writing intensive (WI).
6. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
7. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.

Course Requirements

Freshman	Hours
CA 1341	3
CA 1347	3
CA 2341	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
FCS 1310	3
HIST 1310 (American History Component Code 060)	3
Mathematics Component Code 020	3
POSI 2310 (Government/Political Science Component Code 070)	3
US 1100	1
	31

Sophomore	Hours
ACC 2301	3
CA 3351	3
ENG Literature (Component Area Option Code 090/094)	3
FCS 3303	3
HIST 1320 (American History Component Code 060)	3
ID 2321	3
Life & Physical Sciences Component Code 030	6
PHIL 1305	3
POSI 2320 (Government/Political Science Component Code 070)	3
	30

Junior	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
CA 3342	3
CA 4341	3
Social and Behavioral Sciences	3
Electives (3 hours should be advanced)	8
Minor (6 hours should be advanced)	12
	32

Senior	Hours
CA 4301	3
CA 4342	3
CA 3352	3
ECO 2301	3
COMM 4327, 3358, or MC 4381	3
FCD 1355 or 4351	3
Minor	6
Advanced CA, FCD, FM, ID OR NUTR Elective	3
	27

Total Hours: 120

Bachelor of Science in Family and Consumer Sciences (B.S.F.C.S.) Major in Consumer Affairs (Family and Consumer Sciences Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this

catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. In addition to general education core curriculum and degree requirements, this major is required to take courses in all areas of family and consumer sciences.
3. Majors participate in an internship in a related area.
4. At least three hours of the electives must be advanced.
5. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. Nine semester credit hours must be writing intensive (WI).
7. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
8. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.

Course Requirements

Freshman	Hours
CA 1341	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
FCD 1351	3
FCS 1310	3
FM 1332 or 2335	3
HIST 1310 (American History Component Code 060)	3
ID 1310	3
Mathematics Component Code 020	3
NUTR 1362	3
NUTR 1162	1
US 1100	1
	32

Sophomore	Hours
CA 1347	3
FCD 2351	3
FCS 3303	3
HIST 1320 (American History Component Code 060)	3
NUTR 2360 or 3362	3
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
POSI 2310	3
Life & Physical Sciences Component Code 030	6
Electives (3 hours should be advanced)	3
	33

Junior	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
CA 3351	3
COMM 1310 (Component Area Option Code 090/091)	3
FCD 1355 or 4351	3
ID 2321	3
POSI 2320	3
Minor	9
	27

Senior	Hours
CA 4301	3
CA 4341	3
Select one of the following:	3
CA 3342	
CA 3352	
CA 4342	
FM 3320	
Select one of the following:	3
COMM 3358	
COMM 4327	
MC 4381	
Social and Behavioral Sciences Component Code 080	3
Minor (advanced)	9
Advanced Elective	4
	28

Total Hours: 120

[1] MATH 1316 is not accepted as a prerequisite for courses in some minors.

Bachelor of Science in Family and Consumer Sciences (B.S.F.C.S.) Major in Consumer Affairs (Teacher Certification in Family and Consumer Sciences, Grades 6-12)

Minimum required: 120 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to general education core curriculum and degree requirements, this major pursuing teacher certification in Family and Consumer Sciences is required to take specialized courses in nutrition and foods, human development and family sciences, fashion merchandising, interior design, consumer affairs, and family and consumer sciences.
3. Students participate in FCS 4681 student teaching for pre-professional experience.
4. In addition to the degree and major requirements, students must also complete 12 hours of professional sequence courses through the College of Education. All coursework must be completed prior to FCS 4681.
5. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
6. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
7. Nine semester credit hours must be writing intensive (WI).
8. Students must demonstrate competency in basic clothing construction techniques.
9. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
10. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CA 1347	3	CA 1341	3
ENG 1310 (Communication Component Code 010)	3	FCD 1351	3
FCS 1310	3	ENG 1320 (Communication Component Code 010)	3
HIST 1310 (American History Component Code 060)	3	HIST 1320 (American History Component Code 060)	3
US 1100	1	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Mathematics Component Code 020	3	COMM 1310 (Component Area Option Code 090/091)	3
	16		18

Sophomore

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	ID 1310	3
FCD 1355	3	NUTR 1362	3
FM 1332	3	NUTR 1162	1
Life & Physical Science Component Code 030	3	ENG Literature Component Area Option Code 090/094	3
Social & Behavioral Sciences Component Code 080	3	POSI 2320 (Government/ Political Science Component Code 070)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	Life & Physical Science Component Code 030	3
	18		16

Junior

First Semester	Hours	Second Semester	Hours
CA 3341	3	AG 4343	3
COMM 4310	3	CI 3325	3
FM 2335	3	CI 4332	3
ID 2321	3	FCD 2351	3
NUTR 4367	3	FCS 4344	3
NUTR 4167	1	NUTR 3362	3
	16		18

Senior

First Semester	Hours	Second Semester	Hours
AG 4311	3	FCS 4681[1]	6
CI 4370	3		
FCS 4343	3		
RDG 3323	3		
	12		6

Total Hours: 120

[1] All coursework must be completed prior to this semester, no other courses may be taken during the student teaching semester.

Bachelor of Science in Family and Consumer Sciences (B.S.F.C.S.) Major in Fashion Merchandising

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number.

See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. A minor in Business Administration is required for this major. Courses for the minor in Business Administration are included in the following degree plan.
3. This major is required to take specialized courses in Fashion Merchandising including culture and consumer behavior, textiles, textile product analysis, fashion buying principles, fashion merchandising, fashion history, fashion merchandising administration, fashion economics, and fashion promotional strategies.
4. Majors participate in an internship in a related area.
5. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. Nine semester credit hours must be writing intensive (WI).
7. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
8. Majors must pass all required Fashion Merchandising courses with a "C" or higher.

Course Requirements

Freshman	Hours
FCS 1310	3
FM 1330	3
FM 1332	3
FM 2336	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
US 1100	1
HIST 1310 (American History Component Code 060)	3
MATH 1315 or 1319 (Mathematics Component Code 020)	3
POSI 2310 (Government/Political Science Component Code 070)	3
	31

Sophomore	Hours
FCS 3303	3
FM 2330	3
FM 2335	3
ECO 2301	3
ACC 2301	3
HIST 1320 (American History Component Code 060)	3
Life & Physical Sciences Component Code 030	6
POSI 2320 (Government/Political Science Component Code 070)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	30

Junior	Hours
FM 3330	3
FM 3334	3
FM 3335 or 3336	3
Social & Behavioral Sciences Component Code 080	3
Select one of the following:	3
MC 3343	
MC 3367	
CA 3341	
CA 3342	
ENG Literature (Component Area Option Code 090/094)	3
Electives in ID, CA, NUTR, FCD and FM	6
FM Electives	3
Electives	2
	29

Senior	Hours
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
FM 4301	3
FM 4000-Level Electives	6
FM 4338	3
FM 4339	3
Select four of the following:	12
BLAW 2361	
CIS 3317	
FIN 3325	
MGT 3303	
MKT 3343	
	30

Total Hours: 120

Bachelor of Science in Family and Consumer Sciences (B.S.F.C.S.) Major in Fashion Merchandising (Planning and Presentation Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. A minor in Business Administration is required for this major. Courses for the minor in Business Administration are included in the following degree plan.
3. This major is required to take specialized courses in Fashion Merchandising including culture and consumer behavior, textiles, textile product analysis, fashion buying principles, fashion merchandising, fashion history, fashion merchandising administration, fashion economics, and fashion planning and presentation strategies.
4. Majors participate in an internship in a related area.
5. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. Nine semester credit hours must be writing intensive (WI).
7. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
8. Majors must pass all required Fashion Merchandising courses with a "C" or higher.

Course Requirements

Freshman	Hours
FCS 1310	3
FM 1330	3
FM 1332	3
FM 2330	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
US 1100	1
HIST 1310 (American History Component Code 060)	3
MATH 1315 or 1319 (Mathematics Component Code 020)	3
POSI 2310 (Government/Political Science Component Code 070)	3
	31
Sophomore	**Hours**
FCS 3303	3
FM 2335	3
FM 2336	3
FM 3330	3
ECO 2301	3
ACC 2301	3
ART 2313	3
HIST 1320 (American History Component Code 060)	3
Life & Physical Sciences Component Code 030	6
	30
Junior	**Hours**
FM 3333	3
FM 3334	3
FM 3335 or 3336	3
Social & Behavioral Sciences Component Code 080	3
Select one of the following:	3
MC 3343	
MC 3367	
CA 3341	
CA 3342	
ENG Literature (Component Area Option Code 090/094)	3
School Electives	6
Elective	2
POSI 2320 (Government/Political Science Component Code 070)	3
	29
Senior	**Hours**
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
FM 4301	3
FM 4331	3
FM 4333	3
FM 4337	3
FM 4339	3
Select four of the following:	12
BLAW 2361	
CIS 3317	
FIN 3325	
MGT 3303	
MKT 3343	
	30

Total Hours: 120

Bachelor of Science in Family and Consumer Sciences (B.S.F.C.S.) Major in Human Development and Family Sciences

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. As a condition for participation in a child development class that requires either observation or participation at the campus Child Development Center, students must undergo a criminal background check and provide verification of an annual TB test.
3. As a condition for placement in an internship site, students must complete a criminal background check and meet any additional requirements set by the internship site.
4. No minor is required; however, Human Development and Family Sciences majors may add a minor relevant to their career interests, such as Social Work or Psychology.
5. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. Nine semester credit hours must be writing intensive (WI).
7. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.

Course Requirements

Freshman	Hours
FCD 1351	3
FCD 1355	3
FCS 1310	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
US 1100	1
HIST 1310 (American History Component Code 060)	3
Mathematics Component Code 020	3
Life & Physical Sciences Component Code 030	3
POSI 2310 (Government/Political Science Component Code 070)	3
	31

Sophomore	Hours
FCD 2351	3
FCD 2353	3
FCD 3394	3
FCS 3303	3
ENG Literature (Component Area Option Code 090/094)	3
HIST 1320 (American History Component Code 060)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
POSI 2320 (Government/Political Science Component Code 070)	3
Life & Physical Sciences Component Code 030	3
Social & Behavioral Sciences Component Code 080	3
	30

Junior	Hours
FCD 3359	3
Select two of the following:	6
FCD 3351	
FCD 3353	
FCD 3354	
FCD 4302C	
FCD 4302G	
Select one of the following:	3
FCD 3344	
FCD 3350	
FCD 4353	
FCD 3358	
FCD 4391	
NUTR 3362	
School Elective from courses in CA, FCD, FCS, FM, ID, NUTR	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
SOWK 4315 or SPED 2360	3
Electives (3 advanced hours)	9
	30

Senior	Hours
FCD 4301	3
FCD 4351 or 4358	3
FCD 4355	3
FCD 4352 or 4356	3
FCS 4303	3
School Elective from courses in CA, FCD, FCS, FM, ID, NUTR	3
Electives (6 advanced hours)	11
	29

Total Hours: 120

[1] MATH 1316 is not accepted as a prerequisite for courses in some minors.

Bachelor of Science in Family and Consumer Sciences (B.S.F.C.S.) Major in Human Development and Family Sciences (Teacher Certification in Human Development and Family Studies, Grades 8-12)

Minimum required: 121 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to general education core curriculum and degree requirements, this major pursuing teacher certification in Human Development and Family Studies is required to take specialized courses including infant and toddler development, child development, family life education, creative activities for children, and administration of programs for young children.
3. As a condition for participation in a child development class that requires either observation or participation at the campus Child Development Center, students must undergo a criminal background check and provide verification of an annual TB test.
4. As a condition for placement in an internship site, students must complete a criminal background check and meet any additional requirements set by the internship site.
5. Students participate in FCS 4681 student teaching for pre-professional experience.
6. In addition to the degree and major requirements, students must also complete 21 hours of professional sequence courses through the College of Education. All coursework must be completed prior to FCS 4681.
7. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
8. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
9. Nine semester credit hours must be writing intensive (WI).
10. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree.In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
11. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	Hours
FCS 1310	3
FCD 1351	3
FCD 1355	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
US 1100	1
HIST 1310 (American History Component Code 060)	3
Mathematics Component Code 020	3
Life & Physical Sciences Component Code 030	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	31

Sophomore	Hours
FCD 2351	3
FCD 2353	3
FCS 3303	3
CA 1341	3
CA 1347	3
ENG Literature (Component Area Option Code 090/094)	3
HIST 1320 (American History Component Code 060)	3
POSI 2310	3
Life & Physical Sciences Component Code 030	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	30

Junior	Hours
POSI 2320	3
CI 4332	3
FCD 3351	3
FCD 3353	3

CI 3325	3
CA 3341	3
FCS 4343	3
NUTR 3362	3
SOWK 4315	3
Social & Behavioral Sciences Component Code 080	3
	30

Senior	Hours
AG 4311	3
AG 4343	3
CI 4370	3
FCD 4351	3
FCD 4352	3
FCD 4355	3
FCS 4344	3
FCS 4681	6
RDG 3323	3
	30

Total Hours: 121

Bachelor of Science in Family and Consumer Sciences (B.S.F.C.S.) Major in Interior Design

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. A Texas State GPA of 2.0 is required to graduate.
3. This major is required to take specialized courses in Interior Design including history of furnishings and architecture, residential and commercial interior design, research and programming, professional practices, and portfolio design. Visual communication courses, such as drawing and rendering are taken in the School of Art and Design.
4. A proficiency review for all Interior Design majors is conducted by the Interior Design faculty immediately upon completion of all ID 2322 coursework. The purpose of the review process is to ensure that the most qualified students, evidenced by adequate skill and knowledge level, will advance in the program. Students must pass proficiency review to proceed to new Interior Design coursework, including the studio sequence beginning with ID 2323.
5. It is strongly suggested that students consider transferring into the program prior to meeting all general education core curriculum requirements because course options may be limited. The completion of the Interior Design major course requirements requires a minimum of eight semesters due to strict sequencing, regardless of other credit hours accumulated.
6. Students participate in an internship in a related area. Students are required to have completed ENG 1310, ENG 1320, COMM 1310, MATH 1315 or MATH 1319 in addition to the Interior Design course requirements prior to the internship.
7. Majors must pass all required Interior Design and Art classes with a grade of "C" or higher. Any student making a grade of "D" or lower in ID or ART courses may not proceed to the next level course until a grade of "C" or higher is achieved.
8. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
9. Nine semester credit hours must be writing intensive (WI).
10. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.

Course Requirements

Freshman	Hours
FCS 1310	3
ID 1310	3
ID 1320	3
ID 2321	3
ID 2322	3
ARTF 1302	3
ARTC 2305	3
ENG 1310 (Communication Component Code 010)	3
US 1100	1
MATH 1315 or 1319 (Mathematics Component Code 020)	3
ID 2000	0
	28

Sophomore	Hours
ID 2323	3
ID 2324	3
ID 2325	3
FCS 3303	3
ID 3320	3
ID 3321	3
ID 3324	3
ID 3325	3
ENG 1320 (Communication Component Code 010)	3
COMM 1310 (Component Area Option Code 090/091)	3
Elective	3
	33

Junior	Hours
ID 3322	3
ID 3323	3
ID 3326	3
ID 3327	3

ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
Life & Physical Sciences Component Code 030	6
Elective	3
	30

Senior	Hours
ID 4301	3
ID 4323	3
ID 4324	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
Social & Behavioral Sciences Component Code 080	3
ENG Literature (Component Area Option Code 090/094)	3
ARTH Advanced Elective	3
Elective	2
	29

Total Hours: 120

Bachelor of Science in Family and Consumer Sciences (B.S.F.C.S.) Major in Nutrition and Foods

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to general education core curriculum requirements, this major is required to take courses in biology, and specialized courses in food systems, food science, nutritional assessment, physiology and nutrition, wellness and fitness, life span nutrition, and food service management. Course options include medical nutrition therapy, advanced food science, and nutrition and genetics.
3. A Texas State and major GPA of 2.50 or higher is required to graduate.
4. Majors participate in an externship.
5. A minor is required, and those in biology, Business Administration, and Chemistry are recommended.
6. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
7. Nine semester credit hours must be writing intensive (WI).
8. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.

Course Requirements

Freshman	Hours
FCS 1310	3
NUTR 1362	3
NUTR 1162	1
BIO 1330 (Life & Physical Sciences Component Code 030)	3
BIO 1130	1
CHEM 1341 (Life & Physical Sciences Component Code 030)	3
CHEM 1141	1
CHEM 1342	3
CHEM 1142	1
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
COMM 1310 (Component Area Option Code 090/091)	3
US 1100	1
HIST 1310 (American History Component Code 060)	3
MATH 1315 or 1319 (Mathematics Component Code 020)	3
POSI 2310 (Government/Political Science Component Code 070)	3
	38

Sophomore	Hours
NUTR 2360	3
NUTR 2361	3
NUTR 2362	3
NUTR 2162	1
FCS 3303	3
BIO 2430	4
HIST 1320 (American History Component Code 060)	3
PSY 1300 or SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
POSI 2320 (Government/Political Science Component Code 070)	3
	29

Junior	Hours
NUTR 3363	3
NUTR 3367	3
NUTR 4363	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Minor (at least 12 hours advanced)	15
ENG Literature (Component Area Option Code 090/094)	3
	30

Senior	Hours
NUTR 4301	3
NUTR 4365	3
NUTR 3303	3
NUTR 4366	3
NUTR 4167	1
NUTR 4362	3
NUTR 4367	3
Minor	3
Elective	1
	23

Total Hours: 120

Bachelor of Science in Family and Consumer Sciences (B.S.F.C.S.) Major in Nutrition and Foods (Dietetics Concentration)

Minimum required: 122 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to general education core curriculum requirements, this major is required to take courses in agriculture, biology, and chemistry, and specialized courses in food science, food systems, food service, management, nutritional assessment, physiology and nutrition, wellness and fitness, lifespan nutrition, biochemical nutrition, functional foods and nutraceuticals, medical nutrition therapy, and nutrition and genetics.
3. A Texas State and major GPA of 2.75 or higher is required to graduate.
4. Students participate in an internship.
5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. Nine semester credit hours must be writing intensive (WI).
7. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.

Course Requirements

Freshman	Hours
NUTR 1362	3
NUTR 1162	1
CHEM 1341 (Life & Physical Sciences Component Code 030)	3
CHEM 1141	1
CHEM 1342 (Life & Physical Sciences Component Code 030)	3
CHEM 1142	1
BIO 1330	3
BIO 1130	1
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
COMM 1310 (Component Area Option Code 090/091)	3
US 1100	1
HIST 1310 (American History Component Code 060)	3
MATH 1315 or 1319 (Mathematics Component Code 020)	3
POSI 2310 (Government/Political Science Component Code 070)	3
	35

Sophomore	Hours
NUTR 2360	3
NUTR 2361	3
NUTR 2362	3
NUTR 2162	1
FCS 3303	3
BIO 2430	4
BIO 2440	4
HIST 1320 (American History Component Code 060)	3
PSY 1300 or SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
POSI 2320 (Government/Political Science Component Code 070)	3
	33

Junior	Hours
NUTR 3367	3
NUTR 3363	3
NUTR 4365	3
NUTR 4367	3
NUTR 4167	1

CHEM 2330	3
CHEM 2130	1
CHEM 2350	3
CHEM 2150	1
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
ENG Literature (Component Area Option Code 090/094)	3
ACC 2301	3
	30

Senior	Hours
NUTR 3303	3
NUTR 4301	3
NUTR 4360	3
NUTR 4361	3
NUTR 4362	3
NUTR 4363	3
NUTR 4366	3
Electives (Advanced)	3
	24

Total Hours: 122

Bachelor of Science in Family and Consumer Sciences (B.S.F.C.S.) Major in Nutrition and Foods (Teacher Certification in Hospitality, Nutrition, and Food Sciences, Grades 8-12)

Minimum required: 128 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to general education core curriculum and degree requirements, this major is required to take specialized courses including biology and food systems, food science, nutritional assessment, physiology and nutrition, wellness and fitness, lifespan nutrition, food service management and hospitality.
3. Students participate in FCS 4681 student teaching for pre-professional experience and an internship.
4. In addition to the degree and major requirements, students must also complete 12 hours of professional sequence courses through the College of Education. All coursework must be completed prior to FCS 4681.
5. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
6. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
7. Nine semester credit hours must be writing intensive (WI).
8. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
9. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	Hours
FCS 1310	3
NUTR 1362	3
NUTR 1162	1
BIO 1330 (Life & Physical Sciences Component Code 030)	3
BIO 1130	1
CHEM 1341 (Life & Physical Sciences Component Code 030)	3
CHEM 1141	1
CHEM 1342	3
CHEM 1142	1
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
COMM 1310 (Component Area Option Code 090/091)	3
US 1100	1
HIST 1310 (American History Component Code 060)	3
MATH 1315 or 1319 (Mathematics Component Code 020)	3
POSI 2310 (Government/Political Science Component Code 070)	3
	38

Sophomore	Hours
FCS 3303	3
NUTR 2360	3
NUTR 2361	3

NUTR 2362	3
NUTR 2162	1
BIO 2430	4
HIST 1320 (American History Component Code 060)	3
PSY 1300 or SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
POSI 2320 (Government/Political Science Component Code 070)	3
	32

Junior	Hours
NUTR 3367	3
NUTR 4167	1
NUTR 4367	3
NUTR 3363 or 4365	3
NUTR 4350	3
CA 1341	3
CI 3325	3
CI 4332	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
COMM 4310	3
	28

Senior	Hours
FCS 4344	3
FCS 4681	6
NUTR 4366	3
FCS 4343	3
FM 4338	3
AG 4343	3
CI 4370	3
RDG 3323	3
AG 4311	3
	30

Total Hours: 128

Minor in Consumer Affairs

The minor in Consumer Affairs requires 18 semester credit hours.

Code	Title	Hours
Required Courses		
CA 1341	Consumers in the Marketplace	3
CA 2341	Digital Applications in Consumer Finance	3
CA 3351	Consumer Financial Management I	3
CA 3352	Consumer Financial Management II	3
CA 3342	Consumer Law	3
CA 4341	Personal and Family Financial Counseling	3
Total Hours		18

Minor in Family and Consumer Sciences

The minor in Family and Consumer Sciences requires 18-19 semester credit hours, including at least 9 advanced hours.

Code	Title	Hours
Required Courses		6
FCS 1310	Foundations in Family and Consumer Sciences	
CA 3351	Consumer Financial Management I	
Select one of the following:		3
FCD 1351	Lifespan Development	
FCD 1355	Introduction to Family Relationships	
FCD 3344	Introduction to Infant and Early Childhood Mental Health	
FCD 3350	Sexuality Across the Lifespan	
FCD 3394	Adolescent Development	
FCD 4358	Latino Youth and Families	
Select one of the following:		3
FM 3335	History of Fashion	
FM 3336	Modern Fashion Trends	
FM 3334	Fashion Merchandising Administration	
Select one of the following:		3-4
NUTR 1362 & NUTR 1162	Food Systems and Food Systems Laboratory	
NUTR 3362	Nutrition and Health	
Select one of the following:		3
ID 1310	Introduction to Interior Design	
ID 2321	History of Interiors	
CA 3352	Consumer Financial Management II	
FCS 3303	Introduction to Research in Family and Consumer Sciences	
Total Hours		18-19

Minor in Fashion Merchandising

The minor in Fashion Merchandising requires 18 semester credit hours.

Code	Title	Hours
Required Courses		
FM 1330	Introduction to Fashion Merchandising	3
Choose 15 hours from the following:		15
FM 1332	Textiles	
FM 2330	Aesthetics and Branding	
FM 2336	Introduction to Merchandising Technology	
FM 3330	Fashion Buying Principles I	
FM 3333	Merchandise Presentation and Planning	
FM 3334	Fashion Merchandising Administration	
FM 4320	Fashion Merchandising in Domestic Markets	
FM 4331	Fashion Buying Principles II	
FM 4337	Fashion Merchandising	

FM 4338	Enterprise Development	
FM 4339	Fashion Economics	
FM 4340	Fashion Merchandising in International Markets	
Total Hours		18

Minor in Human Development & Family Sciences

The minor in Human Development and Family Sciences requires 18 semester credit hours.

Code	Title	Hours
Required Courses		
FCD 1351	Lifespan Development	3
or FCD 2351	Child Development	
FCD 1355	Introduction to Family Relationships	3
Choose 12 hours from the following (9 of which must be advanced):		12
FCD 2352	Middle Childhood Development	
FCD 2353	Principles of Guidance	
FCD 3344	Introduction to Infant and Early Childhood Mental Health	
FCD 3350	Sexuality Across the Lifespan	
FCD 3351	Creative Experiences for Children: The Arts	
FCD 3353	Family Life Education	
FCD 3354	Creative Experiences: STEM	
FCD 3358	Practicum in Child Development	
FCD 3359	Family Diversity	
FCD 3394	Adolescent Development	
FCD 4301	Internship in Family and Child Development	
FCD 4351	Cultural Diversity of Families	
FCD 4352	Administration of Programs for Children	
FCD 4353	Introduction to Child Life	
FCD 4355	Family Theory	
FCD 4356	Administration of Human Service Organizations	
FCD 4358	Latino Youth and Families	
FCD 4391	Independent Study in Family and Child Development	
Total Hours		18

Department of Military Science

Army Reserve Officer Training Corps
Adamson Building Room 104
T: 512.245.3232 F: 512.245.3264

The Army Reserve Officer Training Corps (AROTC) Program at Texas State is designed to develop the professional skills vital to Army officers. The purpose of the program is to educate, develop, and inspire qualified students for a commission in the U.S. Army, U.S. Army Reserve, or Army National Guard.

The freshman and sophomore years of AROTC are called the Basic Course, and the junior and senior years are called the Advanced Course. Entry into the Basic Course requires no formal application; however, an interview is advisable because the student may be eligible for advanced placement. Registration is accomplished at the same time and in the same manner as for other college courses. Enrollment in the Basic Course does not confer any military status or commitment upon the cadet. Successful completion of, or constructive credit for, the Basic Course is necessary before progressing to the Advanced Course.

Students entering the Advanced Course should have two academic years remaining at Texas State. Coordination should be made with the Professor of Military Science well in advance of anticipated enrollment in order to allow adequate time for application processing. A student may meet some prerequisites as a result of prior military training, ROTC training with any service, or successful completion of the AROTC Cadet Initial Entry Training. An interview is advisable in order to determine if a student meets any of the above prerequisites.

Students in the Advanced Course attend a Cadet Leader Course during the summer at Fort Knox, Kentucky between their junior and senior years. The purpose of this course is to train cadets to Army standards, to develop their leadership skills, and to evaluate their officer potential while giving them practical field experience in a military environment.

Textbooks and materials for military science classes are furnished without cost to the student.

Some cadets are eligible to participate in the Simultaneous Membership Program, which allows them to serve in the National Guard or Army Reserve concurrently with AROTC. The Department of Military Science should be consulted for additional information regarding this program.

Army scholarships are available on a competitive basis to cadets enrolled in AROTC. These scholarships pay 100% of tuition and fees or room and board, plus a $600 allowance per semester for books and necessary supplies. All scholarship cadets also receive the following tax-free stipend per month: freshmen, $420.00; sophomores, $420.00; juniors, $420.00; and seniors, $420.00. Eligible non-scholarship cadets who sign an AROTC contract may begin receiving the stipend during their sophomore year.

Opportunities to attend Airborne, Air Assault, and other service schools are available to eligible cadets on a competitive basis.

Pursuant to Texas Education Code 51.302, up to three semester hours of credit in an upper-level ROTC course may be applied to the general education core curriculum American History Component (HIST 1310 or HIST 1320) and up to three hours to the general education core curriculum Government/Political Science Component (POSI 2320 only).

All AROTC cadets are required to attend a weekly 120-minute leadership laboratory. This gives them an opportunity to practice basic military skills and the art of leadership.

Minor

- Military Science

Courses in Military Science (MS)

MS 1000. Leadership Laboratory.
This course concentrates on practical leadership training. Must be taken concurrently with all other MS courses. Repeatable for credit with different emphasis.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MS 1211. Foundations of Officership.
This course introduces the Army profession and the role of the commissioned officer. It focuses on leadership, ethics and military customs as well as practical skills like physical fitness and stress management. Corequisite: MS 1000 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MS 1212. Basic Leadership.
This course is designed to broaden the introduction to the Army and the skills needed to be a successful Army officer. It focuses on leadership, communication and problem solving as well as nutrition and personal development. Corequisite: MS 1000 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MS 2211. Individual Leadership Studies.
This course is designed to develop the student's self-confidence, leadership skills and problem solving abilities. It focuses on critical thinking, communication and conflict resolution skills.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MS 2212. Leadership and Teamwork.
This course focuses on self-development guided by group processes. Experiential learning activities are designed to challenge current beliefs, knowledge and skills. This course also provides equivalent preparation for the ROTC Advanced Course and the Leaders Training Course.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MS 2313. American Military Studies and Battle Analysis.
This course is designed to study Military History as it applies to the principles of war and current military doctrine. Students will analyze historical battles and lessons learned and apply them to the modern battlefield. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MS 3311. Leadership and Problem Solving I.
This course is designed to enable a student without prior military experience to rapidly integrate into the cadet battalion and perform successfully. Key elements are introduction to physical fitness, how to plan and conduct training, basic tactical skills and military reasoning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MS 3312. Leadership and Problem Solving II.
This course is designed to enable a student without prior military experience to rapidly integrate into the cadet battalion and perform successfully. Key elements are introduction to physical fitness, how to plan and conduct training, basic tactical skills and military reasoning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MS 4311. Leadership and Management.
This course is designed to help cadets make informed career decisions and it continues their education in Army operation, training management, communications and leadership. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MS 4312. Officership.
This course focuses on completing the transition from cadet to lieutenant. It includes a basic foundation of military law, skills and information on leadership and military science, application and demonstration of knowledge and mastery of military skills reasoning. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MS 4313. Independent Study in Military Science.
This course will be designed to meet the needs of the individual student. It will be a directed and closely monitored program targeted at the students' weaknesses/interests. The course will primarily deal with topics pertinent to the military profession; such areas as leadership, management, ethics, law and their application. Course will require week/bi-weekly progress review with instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

Minor in Military Science

The minor in Military Science requires 23 semester credit hours.

Code	Title	Hours
Required Courses		
MS 1211	Foundations of Officership	2
MS 1212	Basic Leadership	2
MS 2211	Individual Leadership Studies	2
MS 2212	Leadership and Teamwork [1]	2
MS 3311	Leadership and Problem Solving I [2]	3
MS 3312	Leadership and Problem Solving II [2]	3
MS 4311	Leadership and Management [2]	3
MS 4312	Officership (advanced course) [2,3]	3
One course in Military History		3
Total Hours		23

1. Or placement credit given for completing basic training or the Leader's Training Course.
2. To be eligible to take these courses, students must sign a contract to enter the U.S. Army, Army Reserve, or Army National Guard. Students must be medically, morally, and physically qualified and receive permission from the department chair.
3. Requires that cadets qualify for an U.S. Army officer commission by submitting to and passing a thorough background investigation to obtain a Secret Security clearance.

Department of Organization, Workforce, and Leadership Studies

Pedernales Building
Telephone: 512-245-2115 Fax: 512-245-3047
http://www.owls.txstate.edu

The Department of Organization, Workforce, and Leadership Studies offers the Bachelor of Applied Arts and Sciences (BAAS) degree designed to allow students to obtain a degree that is both interdisciplinary and individualized. The following are unique characteristics of the BAAS.

- The degree allows students to assist in the choice of courses that would complement their career goals.
- The degree includes an option to obtain college credit for work experience, non-collegiate training, industry certifications, and non-sponsored learning through a portfolio development process.
- The degree includes multiple options for obtaining college credit including testing by CLEP or DSST, correspondence studies, and extension courses.
- Courses are delivered online, hybrid, or "live" on the San Marcos or Round Rock Campus.
- The professional development and capstone modules in the degree are individualized based on the students' career goals.
- Certificates, such as Certified Public Manager (CPM), may be included in the degree audit.
- Approved technical associates' degrees and coursework may be included in the BAAS degree.
- Relevant military coursework may be included in the degree.
- The BAAS degree remains the most flexible degree on campus allowing multiple methods for completion and utilization of various coursework from different disciplines to complete the degree.

Bachelor of Applied Arts and Sciences (B.A.A.S.)

- Major in Applied Arts and Sciences

Subjects in this department include: CTE (p. 141), OCED (p. 143)

Courses in Career and Technical Education (CTE)

CTE 3304. Human Relations for Career and Technical Education Teachers.
This course emphasizes the combination of psychological and sociological factors that influence relationships of CTE teachers in the pursuit of professional duties. Strategies for teaching students and mentoring employees on the dynamics of human relations are highlighted.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3307. Selection, Placement, and Follow-up in Career and Technical Education.
This course provides an overview of the practices of occupational selection, placement of students in suitable employment and cooperative sites, and coordinating the relationship between school and workplace site.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3308. Problems in Cooperative Training.
The course highlights the organization, presentation, and selection of content material necessary in part-time work-based learning programs. The need for community, workplace/industry, family, school, and student partnerships in curricular assessment is emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3313A. Special Needs Students in CTE.
This course involves in-depth studies of characteristics, principles of inclusion, development and implementation of individualized programs of instruction and collaboration with school personnel for effective education of special needs students, including special education, limited-language proficiency, and gifted and talented students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 3313F. Development and Change in Organizations.
Today's organizations face constant pressures to change—whether a government entity, a private business, a not-for-profit, or an educational institution. This course introduces how to effectively facilitate change by examining the issues and practices of organization development (OD), including what kinds of interventions to apply in various contexts and situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 3313G. Introduction to Leadership.
This course provides an overview of current leadership theory and research with emphasis on practical application. Students will examine the complexities of practicing leadership, analyze models of effective leadership, and explore concrete strategies for becoming better leaders.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 3313H. Creating a Purposeful Life Plan: A Journey of Self-Exploration and Discovery.
Students in this course will apply analytical tools, psychology and sociology theory, and planning skills in developing a plan consisting of personal and professional goals in seven areas that define a purposeful life. They will also master techniques, including the selection and use of mobile apps to implement their goals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 3313J. Trends and Issues in Occupational, Workforce, Leadership Studies.
Students will examine emerging trends and issues impacting today's workplace. The students will search the literature for research-based articles and synthesis the information and create abstracts and key points.Specific course content will vary significantly offering to offering based on unique needs and interest of course participants.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 3313K. STEM Literacy for the Workplace.
This course will introduce students to critical STEM literacy skills needed to thrive in the STEM workforce. Students will explore STEM literacy skills to relate them to high demand occupations, evaluate their personal STEM literacy experiences, and create a learning plan to enhance their STEM knowledge and skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 3315. Leadership and Professional Development.
This course prepares students to examine and apply principles of leadership to create their own applicable model of influencing others. Topics covered include leadership behavior, strategic thinking, managing energy, and getting results within an organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CTE 3320. Effective Methods of Teaching and Training.
This is an introductory/fundamental course for instructors in trade and industrial education seeking certification and technical trainers who are not seeking certification. It is designed to prepare these individuals to apply effective teaching principles and techniques, to prepare lesson plans, and manage classrooms. Practice teaching will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3321. Work-based Learning in Career and Technical Education.
This course is intended for teacher coordinators of work-based program in trade and industrial cooperative education. There is an emphasis on selection of occupations and appropriate training stations, student recruitment, instruction coordination in on-the-job educational experiences, state and local report preparation and required record keeping systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3322. Teaching and Training as Professions.
This course emphasizes the professional requirements of teaching and training in a variety of settings. Professional topics include licensure and preparation for the profession, organizations, philosophical foundations of teaching and training, and the socio-political landscape of teaching and training.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3323. Technology Applications.
This course covers the use and integration of computers in the classroom or office. Topics include history of computers, use of word processor, spreadsheet, and presentation software; overview of common computer programs; history and use of the Internet, and computer security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3324. Entrepreneurship in Schools, Communities, and the Workplace.
Students will gain an in-depth understanding of entrepreneurship and its application in the contexts of schools, communities, and the workplace. This course intersects entrepreneurial concepts in career and technical education with educational entrepreneurship, social entrepreneurship, and intrapreneurship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3340. Occupational Skills for the 21st Century.
This course allows students to explore past and present occupational trends, new and emerging occupations and the 21st century occupational skills necessary for success. Students will explore transferability of occupational skills and how these skills are applied and packaged for career transitions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3380. Education and Training Programs in Workforce Settings.
This course helps students investigate the range of programs related to education and training in Workforce settings. Students will investigate government policies, program coordination techniques, and organizations related to learning in the workplace. Students will explore local programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3381. Strategies for Education and Training in Workforce Settings.
This course provides an overview of identifying curriculum, individual learning styles, needs of learners in the workforce, instructional strategies, providing support for diverse learners, inclusive instructional strategies, and the use of technology and assessment in workforce settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 4302. Coordination Techniques.
This course presents an overview of the cooperative program in marketing and distributive education (MDE), the establishments of MDE programs, the guidance, selection and placement of students, adjustment of work for individual needs, setting student objectives, evaluation, labor laws, and public relations relevant for MDE programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 4304. Organization and Management of Marketing Education Programs.
This course provides instruction on the organization and administrative structure of marketing organization in the United States. Additionally, the use of objectives, program improvement techniques, appropriate teacher selection techniques, and evaluative criteria are emphasized in relation to marketing and distributive education programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 4310. Independent Study in Career and Technical Education.
This course is an independent study of various subjects in CTE. Work is done on an independent basis under the direction of the faculty member. Repeatable for credit with different emphases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Courses in Occupational Education (OCED)

OCED 3310. Human Problems in the Workplace.
Overview of problems that supervisors, teachers, and co-workers encounter in business/industry, social service, military, or education. This range of problems interferes with communication, performance, and development of proficiency in school/work. Perspectives and reports on the incidence of these problems will be presented, as well as actions for these human problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 3350. Introduction to Interdisciplinary Studies for the Bachelor of Applied Arts and Sciences Degree.
Students in this course will apply critical and reflective thinking to develop an individualized plan consisting of interdisciplinary studies courses that meet their career goals. Students will also assess their needs for earning credits through prior learning assessment (PLA), and identify potential capstone projects aligned with their professional goals. Prerequisite: 2.25 Overall GPA; Texas State GPA of 2.25. Corequisite: OCED 4350.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 4111. Independent Study in Occupational Education.
This is an independent study course that allows research on topics in occupational education related to a student's interests. Work may include individual research, critical reviews or integration of existing bodies of knowledge. Course may be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

OCED 4350. Adult Development and Career Planning.
This course introduces students to human development, learning theory, transition theory, interdisciplinary studies, career planning and assessment, and goal setting relevant to developing a professional growth plan. (WI). Prerequisite: 2.25 Overall GPA; Current Texas State students must also have a Texas State GPA of 2.25. Corequisite: OCED 3350.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

OCED 4360. Bachelor of Applied Arts and Sciences Capstone Part 1.
This is the first part of a two-part capstone devoted to the development of the student's supervised capstone project. Proposal development, review of literature, creation of timelines, and task analysis are stressed. Following instructor approval, work on the capstone project begins in this course. (WI) Prerequisites: OCED 3350 and OCED 4350 both with grades of "D" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 13 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

OCED 4361. Bachelor of Applied Arts and Sciences Capstone Part 2.
This is the second part of a two-part capstone devoted to the development of the student's supervised capstone project. Application of knowledge, abilities, and skills acquired in the degree program is stressed. It requires extensive reports and documentation. Prerequisite: OCED 4360 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 13 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

Bachelor of Applied Arts and Sciences (B.A.A.S.) Major in Applied Arts and Sciences

Minimum required: 120 semester credit hours

General Requirements

1. This major requires an individualized plan of study based on each student's past learning experiences and future career goals.
2. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
3. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine semester credit hours must be writing intensive (WI).
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

Course Requirements

Code	Title	Hours
General Education Core Curriculum		
ENG 1310	College Writing I (Communication Component Code 010)	3
ENG 1320	College Writing II (Communication Component Code 010)	3
Mathematics Component Code 020		3
Life & Physical Sciences Component Code 030		6
PHIL 1305	Philosophy and Critical Thinking (Language, Philosophy & Culture Component Code 040)	3
or PHIL 1320	Ethics and Society	
ART 2313	Introduction to Fine Arts (Creative Arts Component Code 050)	3
or DAN 2313	Introduction to Fine Arts	
or MU 2313	Introduction to Fine Arts	
or TH 2313	Introduction to Fine Arts	
HIST 1310	History of the United States to 1877 (American History Component Code 060)	3
HIST 1320	History of the United States, 1877 to Date (American History Component Code 060)	3
POSI 2310	Principles of American Government (Government/ Political Science Component Code 070)	3
POSI 2320	Functions of American Government (Government/ Political Science Component Code 070)	3
Social & Behavioral Sciences Component Code 080		3
COMM 1310	Fundamentals of Human Communication (Component Area Option Code 090/091)	3
ENG Literature (Component Area Option Code 090/094)		3
Occupational Emphasis Module [1]		
Select 41 semester credit hours to satisfy this module from experiential learning (work/life experience, non-collegiate sponsored instruction, credit by examination), or transfer work from other accredited institutions of higher education.		41
OCED 3350	Introduction to Interdisciplinary Studies for the Bachelor of Applied Arts and Sciences Degree	3
OCED 4350	Adult Development and Career Planning	3
Professional Development Module [2]		
This module of 24 advanced semester credit hours is individualized to students' career goals.		24
BAAS Capstone [3]		
OCED 4360	Bachelor of Applied Arts and Sciences Capstone Part 1	3
OCED 4361	Practicum in Cooperative Occupational Education	3
University Seminar		
If US 1100 is waived, the student must have a minimum of 120 semester credit hours to graduate.		1
Foreign Language		
Students who have not had two years of the same foreign language in high school or who do not have one year of the same foreign language from an accredited college must take the two courses of the same foreign language, which may include American Sign Language.		0-8
Total Hours		120

1. This module may be satisfied through a number of options including traditional course work from Texas State University and transfer credit from accredited institutions of higher education plus limited numbers of hours from non-traditional methods including correspondence, extension, and forms of testing including CLEP and DSST.
2. Students will choose courses from at least three different disciplines with the assistance of the academic advisor. This module of 24 advanced semester credit hours constitutes the major for GPA calculation purposes.
3. This capstone experience is completed during the student's last semester. The capstone requires an application to the department during the semester prior to anticipated enrollment. See the department website for the most recent application form and instructions. All other degree requirements must be completed prior to enrollment in the capstone courses.

School of Social Work

Encino Building Room 150
Telephone: 512-245-2592
www.socialwork.txstate.edu (http://www.socialwork.txstate.edu)

The Bachelor of Social Work (BSW) degree prepared students for generalist social work practice skills to help improve the well-being of individuals, families, and communities with integrity. Students will also be able to integrate social work knowledge, values, and skills toward economic and social justice. The Texas State University Bachelor of Social Work program is fully accredited by the Council on Social Work Education and graduates will be able to engage in entry-level social work practice, apply for state social work licensure, and pursue graduate social work (MSW) studies. BSW level social workers help people of all ages and practice in such varied fields as child welfare, schools, long-term care, general social services, mental health care, and public assistance. Within the program, Social Work students must maintain high academic standards, develop the capacity to work with people from diverse backgrounds, and assist all people with any life difficulties and transitions they experience.

Bachelor of Social Work (B.S.W.)

- Major in Social Work (p. 147)

Minor

- Social Work

Courses in Social Work (SOWK)

SOWK 1350 is a prerequisite to all other social work courses except SOWK 2375, SOWK 4315, SOWK 4318, SOWK 4320, and SOWK 4355.

SOWK 1350. Introduction to Social Work.
This introductory survey course includes the nature, function, and various types of social work practice, acquainting the student with the history, scope, and values of the profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SOCW 2361

SOWK 2320. Love and Relationships.
This elective course explores the nature of attraction, friendship, love, and human sexuality, enabling students to enhance their own personal and professional relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 2375. Social Services in the Community.
This undergraduate course introduces the organizations and policies involved in social services delivery. Students participate in 50 hours of work as supervised observers and volunteers in selected social service agencies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SOCW 2362

SOWK 3305. Seminar in Human Behavior and Social Environment I.
This course provides an overview of human functioning in the environment by studying eco-systems and developmental frameworks. It builds knowledge and values for practice with task groups, organizations, and communities. Prerequisite: SOWK 2375 with a grade of "D" or better. Corequisite: SOWK 3420 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 3312. Alcoholism and Chemical Dependence.
This elective course focuses on commonly used and abused drugs as well as the dynamics and treatment of addiction and alcohol abuse. It emphasizes direct social work interventions aimed at addiction prevention and treatment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 3332. Helping Troops Transition Back to their Families and Communities: The Invisible Wounds of War.
The course examines topics at the individual, family, group, organizational, and community levels related to troops who are returning from current combat operations and their families. It reviews the needs, community resources, and policies in place for helping them and their families make this transition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 3340. Social Work Research.
This course builds foundation-level scientific research skills in critical thinking, knowledge of program and practice evaluation, and a philosophy of generalist social work practice. Prerequisite: [CJ 3347 or HP 3302 or HP 3325 or PSY 2301 or SOCI 3307] with a grade of "C" or better and SOWK 3425 with a grade of "D" or better. Corequisite: SOWK 4356 and SOWK 4425 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 3420. Social Work Practice I.
This course studies generalist theory and application of social work practice with individuals, families, and groups, including introductory data collection, assessment, intervention planning, and evaluation. (WI) Prerequisite: SOWK 2375 with a grade of "D" or better. Corequisite: SOWK 3305 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

SOWK 3425. Social Work Practice II.
This undergraduate course emphasizes generalist social work practice with task groups, organizations, and communities, examining data collection, assessment, intervention, planning, implementation, and evaluation. Students develop and implement a community-based project. (WI) Prerequisites: SOWK 3420 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

SOWK 4300A. Animal Assisted Therapy.
This course is a starting point for individuals seeking an introduction to the human-animal bond and its therapeutic applications. The course connects students with an extensive network of handlers and facilities in a wide range of disciplines with applied animal-assisted therapy programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 4300B. Spirituality and Social Work Practice.
This elective course provides a basic framework of knowledge, values, and skills necessary for ethical and effective spiritually-relevant practice. It examines spirituality as an integral component of a strengths-based approach to social work practice with diverse and/or vulnerable clients. It integrates a contemporary global perspective with critical self-reflection.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 4300F. International Social Work.
This course covers basic theoretical and practical approaches to empowerment, social and economic justice, and human rights. Particular cultures and specific global problems are examined in-depth to promote student acquisition of an international worldview for human global change based on social work values and research-informed practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 4300G. Ghana: Human Rights and Social Justice Applied.
This undergraduate course will focus on applied social justice and human rights in a global context from an interdisciplinary standpoint in Ghana.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 4300H. Comparative Social Work Ethics in Canterbury.
The purpose of this course is to assist the student in expanding a basic level of knowledge, values, and skills in the area of ethics in social work. The NASW Code of Ethics and the National Codes of Ethics from the International Federation of Social Workers are used.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 4300I. Social Work and Social Services in Canterbury.
The purpose of this course is to assist the student in exploring social work processes, social service provision and services to special populations in Canterbury, England. Agency visits or primary research will guide learning.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 4301. School Social Work.
This course is an overview of social services in schools. Topics covered include: educational issues, conceptual frameworks, education and mental health policies, and service delivery systems. Special attention is paid to cultural diversity, special populations within education, parent-school collaboration, community liaisons, referral systems, and educational systems change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4302. Hip Hop and Social Justice for Individual and Community Change.
In this course, Hip-Hop culture is introduced within the context of human development over the life course with an emphasis on positive individual and community well-being. Cultural dynamics are viewed alongside art's role in the social and political history of the United States including issues of equity and justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4303. Spirituality and Social Work Practice.
This course provides a basic framework of knowledge, values, and skills necessary for ethical and effective spiritually-relevant practice. It examines spirituality as an integral component of a strengths-based approach to social work practice with diverse and/or vulnerable clients. It integrates a contemporary global perspective with critical self-reflection.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4305. Seminar in Human Behavior and Social Environment II.
This course integrates knowledge from social sciences and SOWK 3305, focusing on individuals, families, and small groups functioning in environments. It uses a bio-psychosocial perspective, expanding on eco-systems, developmental, and values frameworks. (WI) Prerequisite: SOWK 3305 with a grade of "C" or better. Corequisite: SOWK 3425 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SOWK 4310. Diversity and Social Justice in Social Work.
This undergraduate course focuses on knowledge and skills necessary for effective, ethical, and just practice, exploring interpersonal and institutional dynamics of racism, sexism, heterosexism, homophobia, classism and other forms of oppression and their effects on providing social services to diverse populations. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOWK 4315. Child Welfare.
This undergraduate elective course analyzes child welfare services available to abused and neglected children in their own homes, in substitute care, and through the community, emphasizing social work intervention with children and their families.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4318. Social Work and Health Care.
This undergraduate elective course provides a generalist view of social work practice in mental health and public health, considering the social problems that affect health care, and ethical and effective intervention strategies and service delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4320. Social Work with Older Adults.
This undergraduate elective gives a comprehensive introduction to contemporary social problems, values, and issues affecting older adults, and effective and ethical intervention strategies and service delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4355. Policy Practice.
This course is an overview of social policy and legislation and the processes of influencing public policy. It links policy with a broad range of social work service areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4356. Professionalism in Social Work.
This course builds skills in self-presentation, in taking responsibility for personal and professional growth, in learning professional behaviors in organizations, and in presenting court testimony. Prerequisite: SOWK 3425 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4360. Directed Study in Social Work.
This one-semester undergraduate course highlights individualized reading, independent study and projects, and guided instruction. It is offered to superior students by the professor's invitation and with the consent of the BSW Coordinator. This course may be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOWK 4425. Social Work Practice III.
This undergraduate course emphasizes interpersonal and communication skills necessary for effective, ethical generalist social work practice. Students translate theory into helping behaviors through practice and feedback to develop competent skills for beginning field placement. (WI) Prerequisites: SOWK 3425 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

SOWK 4645. Beginning Field Practice in Social Work.
Undergraduate students engage in generalist social work in agencies, supervised by licensed social workers and the field coordinator. Students work a minimum of 250 clock hours, attend seminars, and complete assignments. Prerequisites: Departmental approval.
6 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted|Time Conflicts Permitted
Grade Mode: Standard Letter

SOWK 4650. Advanced Field Practice in Social Work.
This undergraduate course extends SOWK 4645. Students, supervised by licensed social workers and the field coordinator, apply advanced generalist techniques for a minimum of 250 clock hours, attending seminars, and completing assignments. Prerequisites: Departmental approval.
6 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted|Time Conflicts Permitted
Grade Mode: Standard Letter

Bachelor of Social Work (B.S.W.) Major in Social Work

Minimum required: 120 semester credit hours

General Requirements

1. The Social Work curriculum is based on and interwoven with the general education core curriculum consisting of 57 semester credit hours, and 6 hours in supportive Social Sciences. Students progress in three phases of the Social Work major, without regard to disability. A social worker must be emotionally and behaviorally stable, must have strong communication skills, must have solid interpersonal relationship-building skills, and must conform to professional ethics. The School of Social Work faculty evaluates whether students meet these criteria and may advise a student at any point to continue in the B.S.W. major or consider another major.
2. For transfer students, 15 semester credit hours may be transferred from a Texas public institution of higher education for the Social Work Field of Study and be applied to the Bachelor of Social Work degree at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog.

Code	Title	Hours
SOWK 1350	Introduction to Social Work	3
TCCN: SOCW 2361		
SOWK 2375	Social Services in the Community	3
TCCN: SOCW 2362		
Sociology Elective		3
TCCN: SOCI 1306		
Social Work Elective		3
TCCN: SOCW 2389 Academic Cooperative		
MATH 2328	Elementary Statistics	3
or PSY 2301	Introduction to Statistics	
TCCN: MATH 1342 or PSYC 2317		
Total Hours		15

3. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine semester credit hours must be writing intensive (WI).
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

Phase I: Entry Level Social Work Courses and Specified General Education Core Curriculum Courses

Any student may declare a Social Work major and may enroll in SOWK 1350, SOWK 2375, as well as SOWK elective courses. Social work students should complete most of the following general education core curriculum and liberal arts courses before applying to Phase II of the Social Work major. They must complete at least 45 credit hours, including the following:

Code	Title	Hours
Life and Physical Sciences Component Code 030 [1]		3
Life and Physical Sciences Component Code 030 [1]		3
COMM 1310	Fundamentals of Human Communication (Component Area Option Code 090/091)	3
ENG 1310	College Writing I (Communication Component Code 010)	3
ENG 1320	College Writing II (Communication Component Code 010)	3
ENG 3303	Technical Writing	3
or ENG 3304	Professional Writing	
HIST 1310	History of the United States to 1877 (American History Component Code 060)	3
HIST 1320	History of the United States, 1877 to Date (American History Component Code 060)	3
MATH 1315	College Algebra (Mathematics Component Code 020) [2]	3
or MATH 1316	Survey of Contemporary Mathematics	
PHIL 1305	Philosophy and Critical Thinking (Language, Philosophy & Culture Component Code 040)	3
or PHIL 1320	Ethics and Society	
SOWK 1350	Introduction to Social Work	3
SOWK 2375	Social Services in the Community	3
US 1100	University Seminar (if required)	1
Total Hours		37

[1] ANTH 2414 Biological Anthropology, BIO 1320 Modern Biology I, BIO 1330 Functional Biology, BIO 1331 Organismal Biology, BIO 1321 Ecology, Evolution, & Society, CHEM 1310 Introductory Chemistry for Non-Science Majors, CHEM 1330 Chemistry for Non-Science Majors, CHEM 1341 General Chemistry I, CHEM 1342 General Chemistry II, GEO 1305 Meteorology, GEOL 1410 Physical Geology, GEOL 1420 Historical Geology, PHYS 1310 Elementary Physics, PHYS 1315 General Physics I, PHYS 1320 Elementary Physics, PHYS 1325 General Physics II, PHYS 1340 Astronomy Solar System, PHYS 1350 Astronomy Stars and Galaxies, PHYS 1430 Mechanics, PHYS 2425 Electricity & Magnetism
* Students will not receive general education core curriculum credit for both CHEM 1310 and CHEM 1341. Students will not receive general
education core curriculum credit for both PHYS 1325 and PHYS 2425.

[2] Math options include MATH 1315, MATH 1316, or MATH 1319.

A minimum 2.50 overall GPA (at the time that final grades post during the semester within which applications are received) is required for the application for Phase II to be fully considered. Students interested in Social Work must contact the College of Applied Arts Academic Advising Center for advisement.

Phase II: Social Work Major

Students submit a formal application for admission to Phase II. Application materials are due to the School of Social Work office by 5:00 p.m. on the third Monday of November for spring admission to the major or the third Monday in April for fall admission to the major. An Admissions Committee screens applicants, considering academic record and suitability for social work practice, and informs applicants in writing of their decision to admit to full major status, conditionally admit to full major status, or deny admission to full major status. Students admitted to Phase II must attend a mandatory orientation to the major prior to beginning Phase II of the degree program. Information regarding the orientation is provided in the written notification of admission to Phase II of the major. When students are admitted to Phase II, they are eligible to register for the first semester of full major courses.

Admission into Phase II does not guarantee permission to remain in the degree program, nor does it guarantee advancement to Phase III of the major which is Field Placement. Social Work faculty will continuously assess a student's progress. To be retained, the student must maintain the required minimum Texas State GPA of 2.50. Students must also earn a minimum grade of "C" in each social work course and each supportive course. The School of Social Work outlines academic progress and advancement to graduation requirement, including policies on retaking major courses and sequencing in the Student Handbook. To remain in Phase II, students must agree to adhere to the NASW Code of Ethics, and demonstrate emotional and behavioral stability, competent communication skills, effective interpersonal relationship skills, and high levels of self-awareness.

Phase III: Field Placement

Students who have completed all required courses for the B.S.W., excluding SOWK 4645 and SOWK 4650 (Field Placement), demonstrate emotional and behavioral stability, and who have met all the requirements noted above may apply for field placement. Students apply for field placement with the School of Social Work's Field Office. Students must pass a Phase II Competency Exam and meet all Field Office requirements prior to full advancement into Phase III Field Placement.

The School prefers that students take SOWK 4645 and SOWK 4650 during the same semester, which requires that the student limit his/her enrollment that semester to field placement, totaling 12 hours. Under exceptional circumstances, students may request permission from the Field Coordinator to take SOWK 4645 and SOWK 4650 over two consecutive semesters (6 hours each semester).

To be eligible for graduation a student must complete all degree requirements and must have a minimum Texas State GPA of 2.50 with a GPA of 2.75 in social work and supportive courses. Students seeking either a dual degree or a second bachelors' degree in Social Work will need to complete all requirements for the B.S.W. degree. Similarly, to be eligible for graduation a student must complete all degree requirements and must have a minimum Texas State GPA of 2.50 with a GPA of 2.75 in social work and supportive courses.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)[1]	3
ENG 1310 (Communication Component Code 010)[1]	3
ENG 1320 (Communication Component Code 010)[1]	3
US 1100	1
HIST 1310 (American History Component Code 060)[1]	3
MATH 1315, 1316, or 1319 (Mathematics Component Code 020)[1]	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)[1]	3
POSI 2310 (Government/Political Science Component Code 070)	3
PSY 1300 (Social & Behavioral Sciences Component Code 080)	3
SOWK 1350 (Introduction to Social Work)[1]	3
	28

Sophomore	Hours
Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3
ENG Literature (Component Area Option Code 090/094)	3
ENG 3303 or 3304 (Technical Writing or Professional Writing)	3
HP 3302, 3325, CJ 3347, PSY 2301, or SOCI 3307 (Statistics)[5]	3
HIST 1320 (American History Component Code 060)[1]	3
POSI 2320 (Government/Political Science Component Code 070)	3
SOWK 2375 (Social Services in the Community)[1,2]	3

ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Interdisciplinary Electives[4]	9
	36

Junior	**Hours**
SOWK 3420 (Social Work Practice I)	4
SOWK 3305 (Human Behavior and Social Environment I)	3
SOWK 4310 (Diversity and Social Justice in Social Work)	3
SOWK 3425 (Social Work Practice II)	4
SOWK 4305 (Human Behavior and Social Environment II)	3
SOWK 4355 (Policy Practice)	3
SOWK 3312 (Alcoholism and Chemical Dependence)	3
SOWK Electives[3]	6
	29

Senior	**Hours**
SOWK 3340 (Social Work Research)	3
SOWK 4356 (Professionalism in Social Work)	3
SOWK 4425 (Social Work Practice III)	4
Interdisciplinary Electives[4]	5
SOWK 4645 (Beginning Field Practice in Social Work)	6
SOWK 4650 (Advanced Field Practice in Social Work)	6
	27

Total Hours: 120

1 Required prior to application for Social Work major.

2 Requires an additional 50 hours volunteering.

3 Social Work Electives:

- SOWK 2320 Love and Relationships Love and Relations
- SOWK 3332 Helping Troops Transition Back to their Families and Communities: The Invisible Wounds of War Helping Troops Transition Back to their Families and Communities: The Invisible Wounds of War
- SOWK 4301 School Social Work School Social Work
- SOWK 4302 Hip Hop and Social Justice for Individual and Community Change Hip Hop Social Justice for Individual Community Change
- SOWK 4303 Spirituality and Social Work Practice Spirituality and Social Work Practice
- SOWK 4315 Child Welfare Child Welfare
- SOWK 4318 Social Work and Health Care Social Work and Health Care
- SOWK 4320 Social Work with Older Adults Social Work with Older Adults
- SOWK 4360 Directed Study in Social Work Directed Study in Social Work
- SOWK 4300A Animal Assisted Therapy Animal Assisted Therapy
- SOWK 4300F International Social Work
- SOWK 4300G Ghana: Human Rights and Social Justice Applied
- SOWK 4300H Comparative Social Work Ethics in Canterbury
- SOWK 4300I Social Work and Social Services in Canterbury

4 Students are required to complete fourteen (14) semester credit hours of interdisciplinary electives from a core of disciplines relevant to the social work major (Note: Students must receive a grade of "C" or better for credit). Approved electives are from the following allied disciplines:

- Psychology
- Sociology
- Criminal Justice
- Anthropology
- Family and Child Development
- Consumer Affairs

Please see the undergraduate catalog for pre-requisites of electives. All electives should be reviewed with College Advising to verify eligibility prior to enrollment.

5 Statistics options include HP 3302 or HP 3325 or CJ 3347 or PSY 2301 or SOCI 3307.

Minor in Social Work

The minor in Social Work requires 18 semester credit hours. The minor helps students to increase their awareness of society's conditions, and many of the pressing needs facing children, families, and communities. The minor also explores the role of the social work profession in working with services and organizations seeking to help meet these children, family, and community needs. The goal is to help student growth in their chosen academic major fields. The minor does not prepare students for professional social work practice nor for state social work licensure.

Code	Title	Hours
Required Courses		
SOWK 1350	Introduction to Social Work	3
SOWK 2375	Social Services in the Community	3
SOWK 4310	Diversity and Social Justice in Social Work	3
SOWK 4355	Policy Practice	3
Additional Courses		
Choose 6 hours from the following courses:		6
SOWK 2320	Love and Relationships	

SOWK 3312	Alcoholism and Chemical Dependence
SOWK 4300A	Animal Assisted Therapy
SOWK 4300F	International Social Work
SOWK 4300G	Ghana: Human Rights and Social Justice Applied
SOWK 4300H	Comparative Social Work Ethics in Canterbury
SOWK 4300I	Social Work and Social Services in Canterbury
SOWK 4301	School Social Work
SOWK 4302	Hip Hop and Social Justice for Individual and Community Change
SOWK 4303	Spirituality and Social Work Practice
SOWK 4315	Child Welfare
SOWK 4318	Social Work and Health Care
SOWK 4320	Social Work with Older Adults
Total Hours	18

Emmett and Miriam McCoy College of Business Administration

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Associate Dean
David Wierschem, Ph.D.
Assistant Dean
Kent Hamilton

Department Chairs
Accounting–Ann L. Watkins, Ph.D.
Computer Information Systems and Quantitative Methods–Ju Long, Ph.D.
Finance and Economics–Ruby P. Kishan, Ph.D.
Management–Paula L. Rechner, Ph.D.
Marketing–Enrique P. Becerra, Ph.D., Interim

Named on February 27, 2004 in honor of Mr. and Mrs. Emmett McCoy, the Emmett and Miriam McCoy College of Business Administration provides broad-based undergraduate and masters-level educational programs that produce graduates with the values, knowledge, and skills to be successful in a diverse, globally-competitive environment.

Mission

The McCoy College of Business Administration fosters an engaged learning community that prepares a diverse student population for successful business careers as responsible global citizens. The McCoy College complements these efforts with research that adds to knowledge, provides solutions to business challenges, and contributes to pedagogical advances.

Vision

The McCoy College of Business Administration strives to be a leader in experiential business education and business relevant, socially significant research.

Values

Committed to supporting the mission of Texas State University as a Hispanic Serving Institution and designated emerging research institution for the state of Texas, we embrace:

- A unique combination of experiential learning, excellent faculty instruction, and a student-centered culture.
- Responsiveness, accountability, and on-going contributions through research and service to Texas and beyond.
- Excellence in all endeavors through self-study, innovation, and continuous improvement.
- Integrity and adherence to professional and ethical standards.
- Respect for individuals and a diverse culture that promotes a globally engaged community of students, staff, and faculty.
- Student engagement and development through active involvement in student organizations.
- Life-long learning and professional development of students, staff, and faculty.

Background

Established in 1958, McCoy College offers the Bachelor of Business Administration (B.B.A.) degree with majors in accounting, computer information systems, economics, finance, management, and marketing. Computer Information Systems offers a certificate program. Additionally, the College cooperates with the College of Liberal Arts in offering the Bachelor of Arts (B.A.) degree with a major in economics. The B.B.A. degree does not require a minor. Non-business majors may choose business administration as their minor.

The learning environment of McCoy College places primary importance on teaching excellence and intellectual contributions complemented by service. This environment prepares students for careers in both the private and public sectors. The curriculum addresses the economic, legal, political, social, technological, and demographically diverse environment in which modern business is conducted. This environment emphasizes comprehensive learning that combines general education and professional studies in business. The core requirements cover the main functional areas of business, and specialized study in one of six traditional business majors provides knowledge upon which to build a career.

McCoy College, accredited by AACSB-International, The Association to Advance Collegiate Schools of Business, serves over 4,700 undergraduate and graduate business students and has five academic departments: Accounting, Computer Information Systems and Quantitative Methods, Finance and Economics, Management, and Marketing.

McCoy College is entitled by its designation as an AACSB-International accredited school to have Beta Gamma Sigma as its honorary business society. The university chapter has been in existence since 1997. In the College, the top 10 percent of undergraduate business students in their respective classes are eligible to join the society as early as the last semester of their second year of study. Graduate students ranked in the top 20% of their class may join the society after completing 40% of their respective program.

Academic Advising Center

McCoy Hall Room 115
Telephone: 512-245-1993 Fax: 512-245-1996

www.advising.mccoy.txstate.edu

The McCoy College of Business Administration Academic Advising Center is an accessible, student-centered support service that encourages students to develop educational goals and identify strategies for success, provides official and accurate academic information, and guides students to the successful completion of an undergraduate degree. The Advising Center also provides opportunities for student engagement through the College's comprehensive student development program, the McCoy Experience. The services available for students include information sheets for schedule-building and degree requirements, an on-call advisor to address frequently asked questions, one-on-one advising sessions by appointment, information on student professional development opportunities in the College, and the certification of undergraduate graduation applicants. For a complete description of advising services and student responsibilities refer to the McCoy College Academic Advising Center Syllabus which is available for download at http://advising.mccoy.txstate.edu/resources/syllabus.html. Students are required to show their Texas State ID to speak with an advisor about specific academic information.

Admission Policy

Admission to the College is competitive, and a student must be admitted to the College to pursue a B.B.A. degree. Consideration for admission to McCoy College undergraduate programs is based on specific admission criteria and is conducted as a rolling admission process. For current Texas State students, applications are available online at http://advising.mccoy.txstate.edu/apply. For students not yet admitted to the University, applications are available online at www.applytexas.org (http://www.applytexas.org). Students should list a business major as their first major choice.

Priority dates are March 1 for summer/fall semester and October 15 for the spring semester. Applications received after the priority date will be considered for admission on a space-available basis. Students not yet admitted to Texas State must meet Texas State admission deadlines. Students attending Texas State who are currently on academic probation are not eligible for admission to McCoy College.

Freshmen and Students with fewer than 30 Semester Credit Hours

Students with fewer than 30 semester credit hours will be automatically admitted to the McCoy College if they receive assured admission (http://www.admissions.txstate.edu/future/freshman/admissions-requirements.html) to Texas State and select a first-choice major in the McCoy College of Business Administration. Students who are admitted to the University but denied admission to McCoy College will be considered for admission to their second choice major or as an exploratory professional major.

Students with 30 or more Semester Credit Hours

Students who have completed at least 30 semester credit hours, including ENG 1310, ENG 1320, and MATH 1329, either at Texas State or another college or university and who have a minimum 2.5 overall GPA will be considered for admission based upon a competitive index using the grades from ENG 1310,ENG 1320, MATH 1329, and the overall GPA from all colleges and universities attended. Students will be automatically admitted if they have a cumulative GPA of 3.25 or higher and have completed ENG 1310, ENG 1320 and MATH 1329.

Restricted Status

Any business student whose Texas State GPA drops below a 2.0 is placed on probation by Texas State and on restricted status by McCoy College. Business majors on restricted status must increase their Texas State GPA to at least 2.0 in the subsequent semester or their admission to the College will be voided. Students are required to meet with a representative of the McCoy College Academic Advising Center to remove probation holds; otherwise, the hold will prevent registration or schedule changes. A student whose admission is voided may regain admission to the College by going through the application process and competing with other applicants for openings. Business students with a Texas State GPA below a 2.0 are also subject to the University academic probation and suspension policies.

General Requirements for the B.B.A. Degree

1. All students seeking the B.B.A. must complete the following general education core curriculum courses as required by the McCoy College:

Code	Title	Hours
COMM 1310	Fundamentals of Human Communication	3
ENG 1310	College Writing I	3
ENG 1320	College Writing II	3
MATH 1329	Mathematics for Business and Economics II	3
PHIL 1320	Ethics and Society	3

2. To provide a common body of knowledge in business, all students seeking the B.B.A. must complete the following common core of business courses or their equivalents as required by the McCoy College:

Code	Title	Hours
B A 2310	Introduction to Business in a Global Environment	3
ACC 2361	Introduction to Financial Accounting	3
ACC 2362	Introduction to Managerial Accounting	3
CIS 1323	Introduction to Microcomputer Applications	3
ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
BLAW 2361	Legal Environment of Business	3
QMST 2333	Business Statistics	3
MGT 3303	Management of Organizations	3
MKT 3343	Principles of Marketing	3
CIS 3380	Enterprise Information Technology and Business Intelligence	3
FIN 3312	Business Finance	3
MGT 3453	Business Communication and Professional Development [1]	4
MGT 4335	Strategic Management and Business Policy	3

[1] Students in the 2014 and subsequent catalog years cannot receive credit for MGT 3353.

3. A combination of courses in the major program area specified by the appropriate academic department and restricted upper-division business electives to complement the major are also required for the B.B.A.
4. Free electives to achieve a minimum total of 120 semester hours are also required. To ensure compliance with the course requirements for a B.B.A. degree, business students should follow the general

sequence of courses specified for the business curriculum in this section of the catalog.

5. Also, students who did not complete satisfactorily at least two years of the same foreign language in high school must complete two semesters (6-8 hours) of a single foreign language in college.

Enrollment in Upper-Division Business Courses

Upper-division McCoy College courses (3000- and 4000-level) are restricted to business majors or to students who require the courses for their declared program of study. To be eligible to enroll in these courses, all students must satisfy stated course prerequisites, maintain an overall GPA of 2.00 or greater, and have completed at least 60 semester hours. Students should note that not all courses are taught each semester. If a specific course is needed, students should verify the prospective course offering with the department.

Transfer Credit

Business transfer students must meet residency requirements for all Texas State programs outlined in the academic policies section of this catalog. Additionally, at least 50% of the semester hours in business required for the College's various degree programs must be completed in residence at Texas State.

Undergraduate transfer students who received elective credit rather than course-specific credit from the Texas State admissions office may appeal this designation to the McCoy College department in which the course is offered.

Community/junior college students who plan to transfer to McCoy College are advised to pursue the business curriculum outlined in this section. The appropriate course equivalency guide and/or transfer planning guide should be consulted to resolve questions of course transferability. Courses acceptable for transfer by Texas State will transfer at the level at which the courses were taken (i.e., acceptable courses from a community/junior college transfer as freshman or sophomore courses and cannot be used to satisfy junior/senior-level requirements). A maximum of 72 hours from an accredited community/junior college may be applied to a business degree.

Writing Intensive Hour Requirement

Nine hours of designated "writing intensive" (WI) courses must be completed at Texas State to satisfy degree requirements.

Grade-Point Average for Graduation

B.B.A. students must achieve the following minimum grade-point averages:

1. A Texas State GPA of 2.00
2. A Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives); and
3. A GPA of 2.0 in the minor(s).

B.B.A. Accounting students must achieve the following grade point averages:

1. A Texas State GPA of 2.00
2. A Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives)
3. A GPA of 2.0 in the minor(s); and
4. A Major GPA of 2.50

B.A. students must achieve the following minimum grade point averages:

1. A Texas State GPA of 2.00
2. A major(s) GPA of 2.25 (includes major courses and restricted/advanced electives); and
3. A GPA of 2.0 in the minor(s).

Double Majors within Bachelor of Business Administration Programs

Students must fulfill the specified requirements for both majors in full and restricted/advanced electives may not double count.

Minors

- Business Administration (p. 152)
- International Business (p. 153)

Courses in Business Administration (B A)

B A 2310. Introduction to Business in a Global Environment.
The course introduces the modern business enterprise with an emphasis on the interdependence of the business functions in a global environment. Topics include the cross border impacts of culture, politics, and law on trade, investment, marketing, management, and accounting and financial systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BUSI 1301

B A 4300. Independent Study in Global Business.
This study abroad course introduces students to the international business environment. Topics include cultural, political, social, and economic factors affecting international business, and the regulatory and ethical environment of global businesses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 4312. International Business Internship.
Integration of professional and academic experience through internship in an international business related activity with an external employer. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 4315. International Trade Operations.
This course examines the basics of international trade operations, focusing on the procedures, documentation, and regulation pertaining to export and import operations from the prespectives of exporters, importers, and various intermediaries. Prerequisites: MGT 3375 and MKT 4310 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Minor in Business Administration

The minor in Business Administration requires a minimum of 18 semester credit hours. Students seeking a B.B.A. degree are not eligible to declare a Business Administration minor.

Code	Title	Hours
Required Courses		
Choose one of the following:		3-6
ACC 2301	Accounting in Organizations and Society	
ACC 2361 & ACC 2362	Introduction to Financial Accounting and Introduction to Managerial Accounting	
Choose one of the following:		3-6
ECO 2301	Principles of Economics	
ECO 2314 & ECO 2315	Principles of Microeconomics and Principles of Macroeconomics	
Choose 12 hours from the following:		12
BLAW 2361	Legal Environment of Business	
CIS 3317	E-Business	
FIN 3325	Personal Financial Management	
MGT 3303	Management of Organizations	
MKT 3343	Principles of Marketing	
Total Hours		18-24

Minor in International Business

The minor in International Business requires 18 semester credit hours. Obtaining an International Business minor will provide students with an understanding of the economic and financial differences across countries. It can also provide a broad background in international management and marketing. Only students seeking a B.B.A. degree are eligible to declare an International Business minor.

Code	Title	Hours
Required Courses		
ECO 3353	Comparative Economic Systems	3
MGT 3375	International Business	3
MKT 4310	International Marketing	3
Prescribed Electives		
Choose 9 hours of advanced courses from the following:		9
B A 4300	Independent Study in Global Business	
B A 4312	International Business Internship	
B A 4315	International Trade Operations	
BLAW 3363	International Business Law	
CIS 3317	E-Business	
ECO 3317	International Economics	
ECO 3320	Emerging Market Economies	
FIN 4331	International Finance	
FR 3381	Business French I	
FR 3382	Business French II	
GEO 3303	Economic Geography	
GEO 3307	Geography of Europe	
GEO 3308	Latin America	
GEO 3328	Geography of North Africa and the Middle East	
GEO 3332	Geography of South and Southeast Asia	
GEO 3333	Geography of China and Japan	
HIST Advanced Courses from Groups A and B		
GER 3380	Business German in Global Economy	
JAPA 3308	Advanced Japanese for Business	
MC 4303	International Advertising	
MC 4310	International Communication	
MGT 4390G	Cross-Cultural Human Relations	
MKT 3385	Ethnic and Niche Marketing	
SOCI 3320	Population Dynamics	
SOCI 3328	Complex Organizations	
PS 3353	Issues in World Politics	
PS 4354	Politics of International Economic Relations	
SOCI 3350	Men, Women, and Societies	
SPAN 3311	Business Spanish I	
SPAN 3312	Business Spanish II	
Total Hours		18

Department of Accounting

McCoy Hall Room 431
Telephone: 512-245-2566 Fax: 512-245-7973
www.accounting.mccoy.txstate.edu (http://www.accounting.mccoy.txstate.edu)

Degree Program Offered

Bachelor of Business Administration (BBA), major in Accounting

Texas State is one of only 186 business schools worldwide (top 5%) to be accredited in both general business and accounting by the Association to Advance Collegiate Schools of Business (AACSB). AACSB Accreditation is known, worldwide, as the longest standing, most recognized form of specialized/professional accreditation an institution and its accounting programs can earn.

The McCoy College of Business Administration Department of Accounting is a student-centered learning community that prepares a diverse student population for professional success, creates and values research and other intellectual contributions, and provides service to the profession, university and community.

To accomplish our mission, the Department:

- Provides instruction and curricula emphasizing critical thinking, communication skills, and use of technology that prepare students for the changing accounting environment.
- Promotes strong conceptual foundations, technical skills, and ethical decision making and practices that prepare graduates for professional licensure, professional certification, and for future leadership roles in businesses and organizations.
- Engages in research and intellectual contributions that impact the practice of accounting, enhance the understanding of the accounting discipline, and improve the process of educating future accountants.
- Seeks to attract, develop, reward, and retain a diverse, student-oriented faculty with professional knowledge who are committed to excellence in teaching, scholarship, and service, and who participate in university governance.
- Strives to build and maintain professional relationships among students, alumni, the accounting profession, and other stakeholders.

The accounting curriculum provides a broad education in accounting theory, and practice with an appreciation for ethical decision making. Students completing the four year prescribed program of study earn the Bachelor of Business Administration degree with a major in

accounting. Career options include accounting for corporations, industry, governmental, and other not-for-profit organizations.

To meet the educational requirements to take the Uniform CPA Examination in Texas current law requires 150 semester credit hours, including 30 hours of upper-division accounting (including a research course), and 24 hours of upper-division business courses (including business communications). Students may contact the Texas State Board of Public Accountancy at (512) 305-7800 or at http://www.tsbpa.state.tx.us to verify the educational requirements. These hours cannot be satisfied with the B.B.A. degree with a major in accounting alone.

The Department provides a 30 hour Master of Accountancy (M.Acy.) program which offers graduate level accounting courses that currently satisfy the accounting requirements to take the CPA exam in Texas. Students completing this graduate programs should experience greater opportunities for initial employment and career success. In addition to the career choices available to B.B.A. graduates, M.Acy. graduates position themselves for career opportunities in public accounting specializing in auditing, tax, or management consulting, corporate accounting, and accounting for nonprofit governmental organizations.

To make the transition from undergraduate to graduate easier, a Texas State Accounting major may apply for admittance to the M.Acy. program once the student has completed the following:

- at least 90 credit hours,
- at least 12 upper-level Accounting courses, and
- ACC 3313 and ACC 3314 with a grade of "B" or better.

All applicants to the M.Acy. program will provide the following:

- at least two completed reference forms,
- GMAT or GRE score, and
- an essay on the topic indicated in the application materials.

However, submission of the GMAT or GRE score and essay waiver may be optional for a Texas State Accounting major who:

1. has earned a 3.2 GPA or higher in the last 60 hours of coursework,
2. has earned a 3.4 GPA or higher in upper-level Accounting courses taken at Texas State and,
3. provides at least two completed reference forms from Texas State faculty.

For more information about graduate program requirements and the admission process, please consult the graduate catalog. To talk with a graduate academic advisor, students should contact the Accounting Department, (512) 245-2566, or go to McCoy Hall 431.

Bachelor of Business Administration (B.B.A.)

- Major in Accounting (p. 155)

Bachelor of Business Administration (B.B.A)/Master of Accountancy (M.Acy)

- Major in Accounting (5-Year Integrated) (p. 157)

Courses in Accounting (ACC)

ACC 2301. Accounting in Organizations and Society.
Introductory accounting course for non-business majors. Describes the role of accounting as an information system essential for the operation of today's organizations. Focus is on (1) how data is captured and processed to provide information for decision-making, and (2) how the information provided can be used for decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 2325. Financial Analysis and Accounting.
A study of financial statement analysis and overview of financial statements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ACC 2361. Introduction to Financial Accounting.
This course introduces financial accounting concepts and their application in the accounting process for business organizations, including financial statement preparation, analysis and communication of financial information and related ethical responsibilities. Prerequisite: MATH 1315 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2331 or MATH 2417 or MATH 2471 or HON 3391 or ACT Mathematics score of 27 or better or SAT Mathematics score of 580 or better or SAT Math Section Score 600-800.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ACCT 2301

ACC 2362. Introduction to Managerial Accounting.
This course provides an introduction to the use of accounting information as an aid to management decision making and budgeting. Students will gain an appreciation of control processes and an understanding of accounting reports and related ethical responsibilities. Prerequisites: ACC 2361 and (MATH 1315 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2331 or or MATH 2417 or MATH 2471 or HON 3391); both with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ACCT 2302

ACC 3313. Intermediate Accounting I.
An in-depth study of accounting concepts and standards with emphasis on current theory and practices relating to corporate financial statements particularly stressing asset measurement and presentation. Prerequisites: ACC 2361 and ACC 2362 both with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 3314. Intermediate Accounting II.
This course provides a study of accounting problems related to liability measurement, determination of stockholders' equity, earnings per share, leases, and revenue recognition. It also covers intangibles and investments. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 3363. Governmental Accounting.
A study of concepts and techniques of fund accounting, and financial reporting for governmental and not-for-profit organizations including state and local government, universities, hospitals, and other public sector entities. Prerequisite: ACC 3313 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 3365. Cost/Managerial Accounting.
The study of cost/management accounting within the manufacturing and merchandising environment. Includes the analysis of cost accumulation, planning, and control within the organization. Specific topics emphasized are job order and process costing; standard costing, standard costing and variance analysis; absorption and direct costing; budgetary procedures; cost/volume profit analysis; and capital budgeting techniques. Prerequisites: ACC 2362 with a grade of "C" or better and QMST 2333 with a grade of "D" or better. Corequisite: ACC 3313 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 3385. Accounting Systems.
A study of elements of theory, procedures, and practice relating to system design and implementation for manual and computerized accounting information systems. Emphasis placed on system selection, data entry, file structure, internal control implementation, and report generation for various information end-users. Prerequisites: ACC 3313 with a grade of "B" or better and CIS 3380 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 4313. Auditing and Internal Controls.
This course provides a study of the theory and practices relating to auditing. The course emphasizes the procedures used to evaluate the effectiveness of risk management and control processes, including prevention and detection of fraud. Prerequisites: ACC 3314 and ACC 3385 both with grades of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ACC 4328. Survey of Income Tax.
An introduction to Federal income tax provisions, concepts and issues concerning individuals, business and property transactions. The coursework focuses on income and expense recognition as well as tax planning opportunities. Prerequisite: ACC 3313 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 4390A. International Accounting.
This course introduces students to accounting issues unique to multinational enterprises and international business activity. Financial accounting practices are compared across different countries. The development of international accounting standards is also explored. (MULT) Prerequisite: ACC 3313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

Bachelor of Business Administration (B.B.A.) Major in Accounting

Minimum required: 120 semester credit hours

Admission Requirements

Admission to the McCoy College of Business Administration (McCoy College) is competitive, and a student must be admitted to the McCoy College to pursue a B.B.A. degree. Consideration for admission to McCoy College undergraduate programs is based on specific admission criteria and is conducted as a rolling admission process. For current Texas State students, applications are available online at http://advising.mccoy.txstate.edu/apply. For students not yet admitted to the University, applications are available online at www.applytexas.org (http://www.applytexas.org). Students should list a business major as their first major choice.

Priority dates are March 1 for summer/fall semester and October 15 for the spring semester. Applications received after the priority date will be considered for admission on a space-available basis. Students not yet admitted to Texas State must meet Texas State admission deadlines. Students attending Texas State who are currently on academic probation are not eligible for admission to McCoy College.

Freshmen and Students with fewer than 30 Semester Credit Hours

Students with fewer than 30 semester credit hours will be automatically admitted to the McCoy College if they receive assured admission (http://www.admissions.txstate.edu/future/freshman/admissions-requirements.html) to Texas State and select a first-choice major in the McCoy College of Business Administration. Students who are admitted to the University but denied admission to McCoy College will be considered for admission to their second choice major or as an exploratory professional major.

Students with 30 or more Semester Credit Hours

Students who have completed at least 30 semester credit hours, including ENG 1310, ENG 1320, and MATH 1329, either at Texas State or another college or university and who have a minimum 2.5 overall GPA will be considered for admission based upon a competitive index using the grades from ENG 1310,ENG 1320, MATH 1329, and the overall GPA from all colleges and universities attended. Students will be automatically admitted if they have a cumulative GPA of 3.25 or higher and have completed ENG 1310, ENG 1320 and MATH 1329.

General Requirements

1. For the B.B.A. degree, any McCoy College student whose Texas State GPA drops below a 2.0 is placed on probation by Texas State and on restricted status by McCoy College. Students on restricted status must increase their Texas State GPA to at least 2.0 in the subsequent semester or their admission to McCoy College will be voided. Students are required to meet with a representative of the McCoy College Academic Advising Center to remove probation holds; otherwise, the hold will prevent registration or schedule changes. A student whose admission is voided may regain admission to McCoy College by going through the application process and competing with other applicants for openings. Students with a Texas State GPA

below a 2.0 are also subject to the University academic probation and suspension policies.

2. All students seeking the B.B.A. must complete the following general education core curriculum courses as required by McCoy College. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for other information about the general education core curriculum.
3. To provide a common body of knowledge in business, all students seeking the B.B.A. must complete the following common core of business courses or their equivalents as required by the McCoy College:

Code	Title	Hours
B A 2310	Introduction to Business in a Global Environment	3
ACC 2361	Introduction to Financial Accounting	3
ACC 2362	Introduction to Managerial Accounting	3
CIS 1323	Introduction to Microcomputer Applications	3
ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
BLAW 2361	Legal Environment of Business	3
QMST 2333	Business Statistics	3
MGT 3303	Management of Organizations	3
MKT 3343	Principles of Marketing	3
CIS 3380	Enterprise Information Technology and Business Intelligence	3
FIN 3312	Business Finance	3
MGT 3453	Business Communication and Professional Development [1]	4
MGT 4335	Strategic Management and Business Policy	3

[1] Students in the 2014 and subsequent catalog years cannot receive credit for MGT 3353.

4. A combination of courses in the major program area specified by the appropriate academic department and restricted upper-division business electives to complement the major are also required for the B.B.A.
5. Free electives to achieve a minimum total of 120 semester hours are also required. To ensure compliance with the course requirements for a B.B.A. degree, students should follow the general sequence of courses specified for the curriculum in this section of the catalog.
6. Also, students who did not complete satisfactorily at least two years of the same foreign language in high school must complete two semesters (6-8 hours) of a single foreign language in college.
7. Nine hours of designated "writing intensive" (WI) courses must be completed at Texas State to satisfy degree requirements.
8. For transfer students, 24 semester credit hours in the business core curriculum (or their equivalents) may be transferred from a Texas public institution of higher education for the Business Administration and Management Field of Study and be applied to the B.B.A. major in Accounting at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. If transferring additional business courses please contact the McCoy College of Business Administration CenturyLink Academic Advising Center for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list. Students who complete MATH 1319 (TCCN: MATH 1324) in the FOS will receive 3 semester credit hours towards free electives.

Code	Title	Hours
CIS 1323	Introduction to Microcomputer Applications	3
TCCN: BCIS 1305		
B A 2310	Introduction to Business in a Global Environment	3
TCCN: BUSI 1301		
ECO 2314	Principles of Microeconomics	3
TCCN: ECON 2302		
ECO 2315	Principles of Macroeconomics	3
TCCN: ECON 2301		
ACC 2361	Introduction to Financial Accounting	3
TCCN: ACCT 2301		
ACC 2362	Introduction to Managerial Accounting	3
TCCN: ACCT 2302		
QMST 2333	Business Statistics	3
TCCN: BUSI 2305		
Elective		3
TCCN: MATH 1324		
Total Hours		24

9. Students must achieve the following grade point averages for graduation:
   - a Texas State GPA of 2.00
   - a Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives)
   - a GPA of 2.0 in the minor(s); and
   - a Major GPA of 2.50

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	HIST 1310 (American History Component Code 060)	3
MATH 1329 (Mathematics Component Code 020)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3
COMM 1310 (Component Area Option Code 090/091)	3	CIS 1323[1]	3
US 1100	1		
	16		15

Sophomore

First Semester	Hours	Second Semester	Hours
ACC 2361	3	ACC 2362	3

ECO 2314 (Social & Behavioral Sciences Component Code 080)	3	ECO 2315	3
B A 2310	3	BLAW 2361	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
QMST 2333	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
ACC 3313	3	ACC 3314	3
ACC 3365	3	ACC 3385	3
CIS 3380	3	MKT 3343	3
Free Elective	3	MGT 3453	4
MGT 3303	3	FIN 3312	3
	15		16

Senior

First Semester	Hours	Second Semester	Hours
ACC 3363	3	ACC 4313	3
ACC 4328	3	Free Electives	7
Free Electives	6	MGT 4335	3
ENG Literature (Component Area Option Code 090/094)	3		
	15		13

Total Hours: 120

[1] Credit can be earned by successfully passing a test. Students must pay a fee to take the test.

Bachelor of Business Administration (B.B.A.)/Master of Accountancy (M.Acy.) Major in Accounting (Integrated)

This integrated bachelor's and master's degree program is found in the graduate catalog. For information regarding the program please click here (p. 985).

Department of Computer Information Systems and Quantitative Methods

McCoy Hall Room 404
T: 512.245.2291 F: 512.245.1452
www.cis.txstate.edu (http://www.cis.txstate.edu)

The mission of the Department of Computer Information Systems and Quantitative Methods (CISQM) degree is to provide relevant educational opportunities to students wishing to pursue professional careers related to information systems, technology and data analytics. The department strives to create an environment for preparing individuals for a lifetime of learning and growth by producing graduates who understand the concepts and uses of information systems and are capable of applying these concepts to business and government.

The computer information systems curriculum provides a strong foundation in the concepts and applications of information systems and technology in organizations. It gives CISQM majors the opportunity to study enterprise design, business intelligence, data analytics, database development, network and security administration, programming languages, and the integration of hardware and software systems with management practices. Students completing the prescribed program of study earn the Bachelor of Business Administration degree with a major in Computer Information Systems. CISQM also offers a concentration in Business Analytics, which will prepare the students for the emerging world of Big Data and how to effectively analyze business situations for optimal decision making.

CISQM graduates pursue careers as IT integrators, global enterprise system architects, database administrators, network administrators, information security analysts, business systems analysts, application developers, digital-business solution developers, and information systems managers. Graduates work for technology companies, high-tech startup companies, government agencies, accounting firms, oil companies, financial and insurance institutions, retail firms, manufacturing corporation, and consulting companies where they are succeeding at the highest levels.

Bachelor of Business Administration (B.B.A.)

- Major in Computer Information Systems (p. 160)
- Major in Computer Information Systems (Business Analytics Concentration) (p. 163)

Certificate

- Computer Information Systems

Subjects in this department include: CIS (p. 157), QMST (p. 160)

Courses in Computer Information Systems (CIS)

CIS 1323. Introduction to Microcomputer Applications.
This course develops advanced information technology skills, focusing on office productivity software. Primary emphasis is placed on spreadsheet, database, and presentation software. Advanced techniques are presented for use in data analysis and decision-making. Students will be expected to demonstrate mastery of these techniques in a hands-on environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BCIS 1305

CIS 2324. Visual Programming I.
An introduction to application program development to include requirement analysis, design, implementation, and testing. A blend of structured and object-oriented concepts is used to form solutions to business problems using a visual programming language. Prerequisite: CIS 1323 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BCIS 2316

CIS 3317. E-Business.
Explores the constantly changing world of e-Business from an international perspective. This course will emphasize e-Business challenges and opportunities in the worldwide marketplace, while focusing on global issues of management, implementation, and integration of IT resources. Does not count for CIS advanced elective credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3325. Visual Programming II.
An advanced visual programming course covering topics related to the design and implementation of user interface, business logic and data access in a tiered architecture. The emphasis is on techniques that take advantage of a development framework through the use of forms, classes, and objects. Corequisite: CIS 3374 and CIS 3382 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3350. Information Security Assurance: Principles and Practices.
This course examines the concepts of information systems and network availability, integrity, and confidentiality in order to develop effective security controls, processes, practices, and procedures. Topics include methodologies, models, architectures, access control systems, ethics, and legal implications of IT security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3360. Web Applications Design and Development.
The course focuses on designing effective Web applications to support the e-business strategy of a company. It covers e-business models, business solution delivery strategy, web required architectures, and development and deployment of multi-tiered applications. Prerequisite: CIS 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3374. System Analysis and Design.
The analysis and general design phases of the system development life cycle are reviewed. Emphasis on techniques and tools for determining systems requirements that lead to the development of logical design models using structured and object-oriented methodologies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CIS 3375. Enterprise Computing Skills using COBOL.
Basic features of the COBOL language. Emphasis is on structured program development and mainframe file processing. Topics include JCL (Job Control Language), the sort feature, and subprograms. Prerequisite: CIS 2324 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3380. Enterprise Information Technology and Business Intelligence.
Students will extend their ability to effectively use integrated software applications to identify and provide access to various information sources. The course will focus on applying information and Internet Technologies that span normal business functions for the development and implementation of solutions to managerial problems. Prerequisites: CIS 1323 and QMST 2333 and [MATH 1329 or MATH 2331 or MATH 2471] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3382. Computer Data Base Systems.
Concepts and methodology of planning, design, development, and management of the computerized data base. The emphasis is on logical database design and a study of relational implementation. A relational DBMS with a relational query language is used for the development of a business application system. Prerequisite: CIS 2324 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3389. Programming for Data Processing.
This course emphasizes the development of data processing software. Topics include designing applications for analyzing and manipulating numerical and textual data from external data sources. Sequence and collections structures, object serializations, design techniques, and reporting will be examined. Prerequisite: CIS 2324 and QMST 2333 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3390. Agile Project Management.
An introduction to project management body of knowledge as applied to Information Technology projects with emphasis on Agile Methodologies. The management of scope, costs, schedules, quality, risks, program management, system methodologies, material procurement, human, and international issues will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4318. Enterprise System Development and Application Security.
Advanced use of information technology in the design and implementation of business applications to support electronic commerce. Concepts, methodology, and toolsets for designing, implementing, and management of applications in Business-to-Business paradigm. Prerequisites: CIS 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4319. Mobile Application Development for Windows.
This course introduces the concepts, methodology, and toolset for designing business applications. Students will learn the MVC development framework and .Net programming environment for Windows to create interactive business applications. Prerequisite: CIS 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4320. Mobile Application Development for Apple-iOS.
This course introduces the concepts, methodologies, and toolset for designing business applications for mobile devices such as iPhone and iPad. Students will learn the MVC development framework and programming environment for Apple-iOS to create interactive business applications. Prerequisite: CIS 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4321. Mobile Application Development for Android.
This course introduces the concepts, methodology, and toolset for designing business applications for mobile devices. Students will learn the MVC development framework and Java programing environment for Android to create interactive business applications. Prerequisite: CIS 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4322. Computer System Development and Design.
A course that integrates systems development with analysis, design, project management, and the systems development life cycle. Object-oriented methods and UML models will be used to develop a project for a client. Students will select methodology, platform, and development technology based on client requirements. Prerequisites: CIS 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4332. Enterprise Resource Planning Systems.
The use of advanced information technology for integrating business functions in an enterprise through distributed databases is emphasized. Methodology and tools for the selection and implementation of Enterprise Resource Planning (ERP) systems are discussed. Students will use available ERP software to create, track and communicate enterprise information. Prerequisite: CIS 3380 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4348. Fundamentals of Data Communications.
A course oriented to the technical concepts of data communications and network designs and how they relate to contemporary computer end-user environments. It incorporates the systems approach for understanding, designing, managing, securing, and implementing data communication networks. Students will analyze and design data communication networks for various business situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4349. Advanced Database Management Systems.
This course introduces advanced concepts and database processes to support applications for Business Intelligence. Multi-dimensional modeling along with database, reporting, and analysis capabilities of a modern database environment will be used to design and develop stored procedures, views, user-defined functions, reports and multi-dimensional information cubes. Prerequisite: CIS 3382 with a grade of "D" or better. Corequisite: QMST 3339 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4350. Information Systems Security.
This course focuses on the technology and managerial issues related to information systems security. Topics include: Attack methods, access control, authentication, firewalls, incident and disaster response, disaster recovery, security function management, and cryptography. Prerequisite: CIS 4348 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4358. Network Administration.
This course provides students with an understanding of the responsibilities assigned to network administrators. Students will acquire a working knowledge of these responsibilities and skills using tools and technologies for administering enterprise networks via network operating systems commonly used in modern business enterprises. Prerequisite: CIS 4348 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4360. Developing Business Solutions for the Enterprise.
An introduction to the concepts, methodology, and toolsets for the architecture, design, implementation, and deployment of business solutions for the enterprise in a services-oriented computing environment. Topics include services-oriented architecture, “Software as a Service” framework, n-tier development of business and data services, and application security. Prerequisites: CIS 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4395. Independent Study in Computer Information Systems.
An in-depth study of a single topic or related problem solved through computer information systems research. May be repeated once for credit with a different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 4399. Computer Information Systems Internship.
This one-semester course involves an internship in business information systems. Emphasis is on the application of computer information systems theory to business problems in the area of computer based management information systems. Repeatable once with different emphasis for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Courses in Quantitative Methods (QMST)

QMST 2333. Business Statistics.
This introductory course covers descriptive and inferential statistical techniques for business and economic decision making. Topics include measures of central tendency and dispersion, probability distributions, sampling distributions, confidence intervals, hypothesis testing, simple linear regression, and correlation analysis. Prerequisite: CIS 1323 and [MATH 1329 or MATH 2331 or MATH 2471] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BUSI 2305

QMST 3334. Statistical Modeling.
Students will learn to apply a broad range of statistical analysis techniques using statistical software in business decision-making. Topics include applied modeling techniques, such as regression modeling, time-series modeling and analysis of variance; non-parametric methods; quality control; and simulation. Prerequisite: QMST 2333 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 3339. Data Mining and Visualization.
This course introduces data mining concepts and practical skills for applying data mining techniques to solve business problems. It emphasizes data visualization and data analysis algorithms (e.g., prediction, classification, clustering), systematic evaluation and model assessment for big data sets. Prerequisite: QMST 2333 with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 3341. Big Data Analysis.
This is an introductory course in statistical programming. The objective of this course is to use programming tools and statistical methods to analyze large data sets. Topics covered are graphs used for statistical analysis, statistical modeling, visualization techniques, simulation, and optimization. Prerequisite: QMST 2333 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 4314. Optimization.
This course introduces the theory, algorithms and applications of optimization methods that are used in analyzing and solving business decision problems. The fundamental methods to be discussed include linear programming, integer programming and network optimization. This course also builds the base for decision making models with uncertainty. Prerequisite: QMST 3339 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 4320. Data Analytics.
This course will introduce various techniques available to extract useful information from massive datasets. The course will emphasize advanced analytical theory and methods such as: clustering, association rules, regression, classification and In-Database analytics. The course will also techniques used for data preparation, discovery, and model building. Prerequisite: QMST 3341 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 4373A. Applied Time Series.
This course will teach the fundamentals of time series methods to be applied on real-life data. The course focuses on application, however the methodology behind the models will also be discussed. Students will learn how to pick the appropriate method for the time series of interest. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 4373C. Topics in Data Analytics.
This course covers the process of transforming big data into information for making decisions. The topics include introduction to data science, analytics and advanced data mining algorithms, and challenges related to analyzing business data. Students will learn how to use software and conduct data analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Bachelor of Business Administration (B.B.A.) Major in Computer Information Systems

Minimum required: 120 semester credit hours

Admission Requirements

Admission to the McCoy College of Business Administration (McCoy College) is competitive, and a student must be admitted to the McCoy College to pursue a B.B.A. degree. Consideration for admission to McCoy College undergraduate programs is based on specific admission criteria and is conducted as a rolling admission process. For current Texas State students, applications are available online at http://advising.mccoy.txstate.edu/apply. For students not yet admitted to the University, applications are available online at www.applytexas.org (http://www.applytexas.org). Students should list a business major as their first major choice.

Priority dates are March 1 for summer/fall semester and October 15 for the spring semester. Applications received after the priority date will be considered for admission on a space-available basis. Students not yet admitted to Texas State must meet Texas State admission deadlines. Students attending Texas State who are currently on academic probation are not eligible for admission to McCoy College.

Freshmen and Students with fewer than 30 Semester Credit Hours

Students with fewer than 30 semester credit hours will be automatically admitted to the McCoy College if they receive assured admission (http://www.admissions.txstate.edu/future/freshman/admissions-requirements.html) to Texas State and select a first-choice major in the McCoy College of Business Administration. Students who are admitted to the University but denied admission to McCoy College will be considered for admission to their second choice major or as an exploratory professional major.

Students with 30 or more Semester Credit Hours

Students who have completed at least 30 semester credit hours, including ENG 1310, ENG 1320, and MATH 1329, either at Texas State or another college or university and who have a minimum 2.5 overall GPA will be considered for admission based upon a competitive index using the grades from ENG 1310,ENG 1320, MATH 1329, and the overall GPA from all colleges and universities attended. Students will be automatically admitted if they have a cumulative GPA of 3.25 or higher and have completed ENG 1310, ENG 1320 and MATH 1329.

General Requirements

1. For the B.B.A. degree, any McCoy College student whose Texas State GPA drops below a 2.0 is placed on probation by Texas State and on restricted status by McCoy College. Students on restricted status must increase their Texas State GPA to at least 2.0 in the subsequent semester or their admission to McCoy College will be voided. Students are required to meet with a representative of the McCoy College Academic Advising Center to remove probation holds; otherwise, the hold will prevent registration or schedule changes. A student whose admission is voided may regain admission to McCoy College by going through the application process and competing with other applicants for openings. Students with a Texas State GPA below a 2.0 are also subject to the University academic probation and suspension policies.
2. All students seeking the B.B.A. must complete the following general education core curriculum courses as required by McCoy College. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for other information about the general education core curriculum.
3. To provide a common body of knowledge in business, all students seeking the B.B.A. must complete the following common core of business courses or their equivalents as required by the McCoy College:

Code	Title	Hours
B A 2310	Introduction to Business in a Global Environment	3
ACC 2361	Introduction to Financial Accounting	3
ACC 2362	Introduction to Managerial Accounting	3
CIS 1323	Introduction to Microcomputer Applications	3
ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
BLAW 2361	Legal Environment of Business	3
QMST 2333	Business Statistics	3
MGT 3303	Management of Organizations	3
MKT 3343	Principles of Marketing	3
CIS 3380	Enterprise Information Technology and Business Intelligence	3
FIN 3312	Business Finance	3
MGT 3453	Business Communication and Professional Development [1]	4
MGT 4335	Strategic Management and Business Policy	3

[1] Students in the 2014 and subsequent catalog years cannot receive credit for MGT 3353.

4. A combination of courses in the major program area specified by the appropriate academic department and restricted upper-division business electives to complement the major are also required for the B.B.A.
5. Free electives to achieve a minimum total of 120 semester hours are also required. To ensure compliance with the course requirements for a B.B.A. degree, students should follow the general sequence of courses specified for the curriculum in this section of the catalog.
6. Also, students who did not complete satisfactorily at least two years of the same foreign language in high school must complete two semesters (6-8 hours) of a single foreign language in college.
7. Nine hours of designated “writing intensive” (WI) courses must be completed at Texas State to satisfy degree requirements.
8. For transfer students, 24 semester credit hours in the business core curriculum (or their equivalents) may be transferred from a Texas public institution of higher education for the Business Administration and Management Field of Study and be applied to the B.B.A. major in Computer Information Systems at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. If transferring additional business courses please contact the McCoy College of Business Administration CenturyLink Academic Advising Center for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list. Students who complete MATH 1319 (TCCN: MATH 1324) in the FOS will receive 3 semester credit hours towards free electives.

Code	Title	Hours
CIS 1323	Introduction to Microcomputer Applications	3
TCCN: BCIS 1305		
B A 2310	Introduction to Business in a Global Environment	3
TCCN: BUSI 1301		
ECO 2314	Principles of Microeconomics	3
TCCN: ECON 2302		
ECO 2315	Principles of Macroeconomics	3
TCCN: ECON 2301		
ACC 2361	Introduction to Financial Accounting	3
TCCN: ACCT 2301		
ACC 2362	Introduction to Managerial Accounting	3
TCCN: ACCT 2302		
QMST 2333	Business Statistics	3
TCCN: BUSI 2305		
Elective		3

TCCN: MATH 1324	
Total Hours	24

9. Students must achieve the following minimum grade-point averages for graduation:

- a Texas State GPA of 2.00
- a Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives); and
- a GPA of 2.0 in the minor(s).

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	HIST 1310 (American History Component Code 060)	3
MATH 1329 (Mathematics Component Code 020)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3
COMM 1310 (Component Area Option Code 090/091)	3	CIS 1323[1]	3
US 1100	1		
	16		15

Sophomore

First Semester	Hours	Second Semester	Hours
ACC 2361	3	ACC 2362	3
ECO 2314 (Social & Behavioral Sciences Component Code 080)	3	ECO 2315	3
B A 2310	3	CIS 2324	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
QMST 2333	3	BLAW 2361	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	CIS 3325 or QMST 3341	3
CIS 3374	3	CIS 3380	3
CIS 3382	3	FIN 3312	3
QMST 3339	3	MGT 3303	3
ENG Literature (Component Area Option Code 090/094)	3	MGT 3453	4
	15		16

Senior

First Semester	Hours	Second Semester	Hours
Restricted Business Elective	3	CIS Advanced Electives	9
CIS Advanced Electives	6	MGT 4335	3
MKT 3343	3	Free Elective	1
Free Elective	3		
	15		13

Total Hours: 120

[1] Credit can be earned by successfully passing a test. Students must pay a fee to take the test.

CIS Advanced Electives

Code	Title	Hours
CIS 3350	Information Security Assurance: Principles and Practices	3
CIS 3360	Web Applications Design and Development	3
CIS 3375	Enterprise Computing Skills using COBOL	3
CIS 3389	Programming for Data Processing	3
CIS 3390	Agile Project Management	3
CIS 4318	Enterprise System Development and Application Security	3
CIS 4319	Mobile Application Development for Windows	3
CIS 4320	Mobile Application Development for Apple-iOS	3
CIS 4321	Mobile Application Development for Android	3
CIS 4322	Computer System Development and Design	3
CIS 4332	Enterprise Resource Planning Systems	3
CIS 4348	Fundamentals of Data Communications	3
CIS 4349	Advanced Database Management Systems	3
CIS 4350	Information Systems Security	3
CIS 4358	Network Administration	3
CIS 4360	Developing Business Solutions for the Enterprise	3
CIS 4395	Independent Study in Computer Information Systems	3
CIS 4399	Computer Information Systems Internship	3

Restricted Business Electives

Code	Title	Hours
ACC 3313	Intermediate Accounting I	3
BLAW 3360	Business Organizations and Government Regulations	3
ECO 3335	Managerial Economics	3
ECO 4313	Econometrics	3
FIN 3313	Financial Management	3
MGT 3360	Entrepreneurship Studies	3
MGT 4375	Organizational Behavior and Human Relations	3
MKT 3370	Marketing Research	3
MKT 3387	Technology and Marketing	3
MKT 4310	International Marketing	3
MKT 4337	Marketing Management	3
QMST 3334	Statistical Modeling	3

Bachelor of Business Administration (B.B.A.) Major in Computer Information Systems (Business Analytics Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

Admission to the McCoy College of Business Administration (McCoy College) is competitive, and a student must be admitted to the McCoy College to pursue a B.B.A. degree. Consideration for admission to McCoy College undergraduate programs is based on specific admission criteria and is conducted as a rolling admission process. For current Texas State students, applications are available online at http://advising.mccoy.txstate.edu/apply. For students not yet admitted to the University, applications are available online at www.applytexas.org (http://www.applytexas.org). Students should list a business major as their first major choice.

Priority dates are March 1 for summer/fall semester and October 15 for the spring semester. Applications received after the priority date will be considered for admission on a space-available basis. Students not yet admitted to Texas State must meet Texas State admission deadlines. Students attending Texas State who are currently on academic probation are not eligible for admission to McCoy College.

Freshmen and Students with fewer than 30 Semester Credit Hours

Students with fewer than 30 semester credit hours will be automatically admitted to the McCoy College if they receive assured admission (http://www.admissions.txstate.edu/future/freshman/admissions-requirements.html) to Texas State and select a first-choice major in the McCoy College of Business Administration. Students who are admitted to the University but denied admission to McCoy College will be considered for admission to their second choice major or as an exploratory professional major.

Students with 30 or more Semester Credit Hours

Students who have completed at least 30 semester credit hours, including ENG 1310, ENG 1320, and MATH 1329, either at Texas State or another college or university and who have a minimum 2.5 overall GPA will be considered for admission based upon a competitive index using the grades from ENG 1310,ENG 1320, MATH 1329, and the overall GPA from all colleges and universities attended. Students will be automatically admitted if they have a cumulative GPA of 3.25 or higher and have completed ENG 1310, ENG 1320 and MATH 1329.

General Requirements

1. For the B.B.A. degree, any McCoy College student whose Texas State GPA drops below a 2.0 is placed on probation by Texas State and on restricted status by McCoy College. Students on restricted status must increase their Texas State GPA to at least 2.0 in the subsequent semester or their admission to McCoy College will be voided. Students are required to meet with a representative of the McCoy College Academic Advising Center to remove probation holds; otherwise, the hold will prevent registration or schedule changes. A student whose admission is voided may regain admission to McCoy College by going through the application process and competing with other applicants for openings. Students with a Texas State GPA below a 2.0 are also subject to the University academic probation and suspension policies.
2. All students seeking the B.B.A. must complete the following general education core curriculum courses as required by McCoy College. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for other information about the general education core curriculum.
3. To provide a common body of knowledge in business, all students seeking the B.B.A. must complete the following common core of business courses or their equivalents as required by the McCoy College:

Code	Title	Hours
B A 2310	Introduction to Business in a Global Environment	3
ACC 2361	Introduction to Financial Accounting	3
ACC 2362	Introduction to Managerial Accounting	3
CIS 1323	Introduction to Microcomputer Applications	3
ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
BLAW 2361	Legal Environment of Business	3
QMST 2333	Business Statistics	3
MGT 3303	Management of Organizations	3
MKT 3343	Principles of Marketing	3
CIS 3380	Enterprise Information Technology and Business Intelligence	3
FIN 3312	Business Finance	3
MGT 3453	Business Communication and Professional Development [1]	4
MGT 4335	Strategic Management and Business Policy	3

[1] Students in the 2014 and subsequent catalog years cannot receive credit for MGT 3353.

4. A combination of courses in the major program area specified by the appropriate academic department and restricted upper-division business electives to complement the major are also required for the B.B.A.
5. Free electives to achieve a minimum total of 120 semester hours are also required. To ensure compliance with the course requirements for a B.B.A. degree, students should follow the general sequence of courses specified for the curriculum in this section of the catalog.
6. Also, students who did not complete satisfactorily at least two years of the same foreign language in high school must complete two semesters (6-8 hours) of a single foreign language in college.
7. Nine hours of designated "writing intensive" (WI) courses must be completed at Texas State to satisfy degree requirements.
8. For transfer students, 24 semester credit hours in the business core curriculum (or their equivalents) may be transferred from a Texas public institution of higher education for the Business Administration and Management Field of Study and be applied to the B.B.A. major in Computer Information Systems at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section

of this catalog. If transferring additional business courses please contact the McCoy College of Business Administration CenturyLink Academic Advising Center for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list. Students who complete MATH 1319 (TCCN: MATH 1324) in the FOS will receive 3 semester credit hours towards free electives.

Code	Title	Hours
CIS 1323	Introduction to Microcomputer Applications	3
TCCN: BCIS 1305		
B A 2310	Introduction to Business in a Global Environment	3
TCCN: BUSI 1301		
ECO 2314	Principles of Microeconomics	3
TCCN: ECON 2302		
ECO 2315	Principles of Macroeconomics	3
TCCN: ECON 2301		
ACC 2361	Introduction to Financial Accounting	3
TCCN: ACCT 2301		
ACC 2362	Introduction to Managerial Accounting	3
TCCN: ACCT 2302		
QMST 2333	Business Statistics	3
TCCN: BUSI 2305		
Elective		3
TCCN: MATH 1324		
Total Hours		24

9. Students must achieve the following minimum grade-point averages for graduation:

- a Texas State GPA of 2.00
- a Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives); and
- a GPA of 2.0 in the minor(s).

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	HIST 1310 (American History Component Code 060)	3
MATH 1329 (Mathematics Component Code 020)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3
COMM 1310 (Component Area Option Code 090/091)	3	CIS 1323[1]	3
US 1100	1		
	16		15

Sophomore

First Semester	Hours	Second Semester	Hours
ACC 2361	3	ACC 2362	3
ECO 2314 (Social & Behavioral Sciences Component Code 080)	3	ECO 2315	3
B A 2310	3	CIS 2324	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
QMST 2333	3	BLAW 2361	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
QMST 3339	3	QMST 3341 or CIS 3325	3
CIS 3374	3	CIS 3380	3
CIS 3382	3	FIN 3312	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	MGT 3303	3
ENG Literature (Component Area Option Code 090/094)	3	MGT 3453	4
	15		16

Senior

First Semester	Hours	Second Semester	Hours
Restrictive Business Elective	3	CIS Advanced Electives	3
CIS Advanced Electives	3	MGT 4335	3
MKT 3343	3	QMST or CIS Advanced Elective	3
QMST Advanced Electives	6	Free Electives	4
	15		13

Total Hours: 120

[1] Credit can be earned by successfully passing a test. Students must pay a fee to take the test.

Code	Title	Hours
CIS Advanced Electives		
CIS 3325	Visual Programming II	3
CIS 3350	Information Security Assurance: Principles and Practices	3
CIS 3360	Web Applications Design and Development	3
CIS 3375	Enterprise Computing Skills using COBOL	3
CIS 3389	Programming for Data Processing	3
CIS 3390	Agile Project Management	3
CIS 4318	Enterprise System Development and Application Security	3
CIS 4319	Mobile Application Development for Windows	3
CIS 4320	Mobile Application Development for Apple-iOS	3
CIS 4321	Mobile Application Development for Android	3
CIS 4322	Computer System Development and Design	3
CIS 4332	Enterprise Resource Planning Systems	3
CIS 4348	Fundamentals of Data Communications	3
CIS 4349	Advanced Database Management Systems	3
CIS 4350	Information Systems Security	3
CIS 4358	Network Administration	3
CIS 4360	Developing Business Solutions for the Enterprise	3

CIS 4395	Independent Study in Computer Information Systems	3
CIS 4399	Computer Information Systems Internship	3

Code	Title	Hours
QMST Advanced Electives		
QMST 3334	Statistical Modeling	3
QMST 4314	Optimization	3
QMST 4320	Data Analytics	3

Code	Title	Hours
Restricted Business Electives		
ACC 3313	Intermediate Accounting I	3
BLAW 3360	Business Organizations and Government Regulations	3
ECO 3335	Managerial Economics	3
ECO 4313	Econometrics	3
FIN 3313	Financial Management	3
MGT 3360	Entrepreneurship Studies	3
MGT 4375	Organizational Behavior and Human Relations	3
MKT 3370	Marketing Research	3
MKT 3387	Technology and Marketing	3
MKT 4310	International Marketing	3
MKT 4337	Marketing Management	3

Certificate in Computer Information Systems

The Department of Computer Information Systems and Quantitative Methods offers an intensive program leading to a Certificate in Computer Information Systems (CIS). The program is directed at students who wish to gain information technology (IT) exposure without having to pursue a full degree program in Computer Information Systems. Students who wish to pursue the Computer Information Systems Certificate are required to be a Texas State University Undergraduate degree seeking or post-baccalaureate student. The primary objective of the program is to offer an option to non-IT professionals and non-CIS majors to gain an initial expertise in the use of information technology to develop computer-based business information systems. Students must apply for admission in the Department of Computer Information Systems and Quantitative Methods prior to taking any courses and successfully complete 18 semester hours of course work in information technology (IT). These include 12 semester credit hours of required core CIS courses and 6 semester credit hours of CIS advanced elective courses.

The certificate requires 18 semester credit hours.

Code	Title	Hours
Required Courses		
CIS 2324	Visual Programming I	3
CIS 3325	Visual Programming II	3
CIS 3374	System Analysis & Design	3
CIS 3382	Computer Data Base Systems	3
Electives		
Choose 6 hours from the following:		6
CIS 3350	Information Security Assurance: Principles and Practices	
CIS 3360	Web Applications Design and Development	
CIS 3375	Enterprise Computing Skills using COBOL	
CIS 3389	Programming for Data Processing	
CIS 3390	Agile Project Management	
CIS 4318	Enterprise System Development and Application Security	
CIS 4319	Mobile Application Development for Windows	
CIS 4320	Mobile Application Development for Apple-iOS	
CIS 4321	Mobile Application Development for Android	
CIS 4322	Computer System Development and Design	
CIS 4332	Enterprise Resource Planning Systems	
CIS 4348	Fundamentals of Data Communications	
CIS 4349	Advanced Database Management Systems	
CIS 4350	Information Systems Security	
CIS 4358	Network Administration	
CIS 4360	Developing Business Solutions for the Enterprise	
CIS 4395	Independent Study in Computer Information Systems	
CIS 4399	Computer Information Systems Internship	
Total Hours		18

Students interested in pursuing the certificate program should contact the Chair of Computer Information Systems and Quantitative Methods, McCoy Hall 404 or visit the Department website at www.cis.txstate.edu (http://www.cis.txstate.edu).

Department of Finance and Economics

McCoy Hall Room 504
T: 512.245.2547 F: 512.245.3089
www.fin-eco.mccoy.txstate.edu (http://www.fin-eco.mccoy.txstate.edu)

The mission of the Department of Finance and Economics is to provide students the ability to pursue learning throughout their lives, accept responsibility for their actions, and contribute to the common goals of society. Departmental programs are designed to develop informed citizens capable of thinking critically and succeeding in a highly-complex, interdependent, global society. Ideally, graduates will successfully compete for employment in both the public and private sectors and for entrance to high-quality graduate education.

The Department includes two closely related disciplines - finance and economics. Economics studies the use of scarce resources to satisfy unlimited wants. The department's introductory courses meet the need for basic economic and legal understanding in a complex modern society. Upper-division economics and business law courses build upon this foundation. Finance addresses the behavior and determinants of securities prices, portfolio management, and the management of corporate and public funds. In addition, the relationships among monetary policy, the banking system, and financial markets are analyzed.

Students completing one of the three curricula offered by the department earn a Bachelor of Business Administration with a major in either economics or finance, or they may earn a Bachelor of Arts with a major in economics. Finance graduates pursue careers in financial management, banking and other financial institutions, the securities industry, financial planning, and real estate. Economics graduates follow career paths

similar to finance majors. Those with the B.A. degree often enter graduate or law school.

Bachelor of Arts (B.A.)

- Major in Economics (p. 170)

Bachelor of Business Administration (B.B.A.)

- Major in Economics (p. 171)
- Major in Finance (p. 173)

Minor

- Economics (p. 175)

Subjects in this department include: BLAW (p. 166), ECO (p. 166), FIN (p. 168)

Courses in Business Law (BLAW)

BLAW 2361. Legal Environment of Business.
A survey of basic features of the American legal system and legal aspects of business transactions. Topics include the nature and sources of law, court systems and procedures, agency, torts, contracts, ethics, and government regulation of business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BUSI 2301

BLAW 3360. Business Organizations and Government Regulations.
This course studies corporations, partnerships, limited liability companies, securities law, law for small business, administrative law, consumer law, environmental law, antitrust law, and insurance. Prerequisite: BLAW 2361 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 3363. International Business Law.
This course studies the principles of international business law which emphasizes the commercial activities of the multinational firm conducting business in global economic, political, social and cultural environments. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

BLAW 3364. Commercial Law.
This course studies sales law, negotiable instruments, secured transactions, suretyship, bankruptcy, personal property and bailments, real property, and creditors' rights and remedies. Prerequisite: BLAW 2361 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 3367. Employment Law.
This course studies the legal developments in the workplace, with emphasis on attempts to maintain a proper balance between employees' interest in earning a livelihood and employers' interest in operating their business efficiently and profitably. Prerequisite: PHIL 1320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 4395. Independent Study in Business Law.
An in-depth study of a single topic or related problem solved through business law research. May be repeated once for credit with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

Courses in Economics (ECO)

ECO 2301. Principles of Economics.
A non-technical study of micro– and macroeconomic principles, including demand and supply, production and cost, market structures, aggregate output and performance of the economy, the business cycle and growth, unemployment and inflation, money and banking, fiscal policy, monetary policy, and international trade and finance. Not for business or economics majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080
Grade Mode: Standard Letter
TCCN: ECON 1301

ECO 2314. Principles of Microeconomics.
This course provides an introduction to the microeconomics of a modern industrial society. Emphasis is placed on supply and demand, cost and price concepts, market structures, income distribution, and similar issues. Prerequisite: MATH 1315 or MATH 1319 or MATH 1329 or MATH 2331 or MATH 2417 or MATH 2471 any with a grade of "D" or better or ACT Mathematics score of 27 or better or SAT Mathematics score of 580 or better or SAT Math Section Score 600 or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080
Grade Mode: Standard Letter
TCCN: ECON 2302

ECO 2315. Principles of Macroeconomics.
This course provides an introduction to the macroeconomics of a modern industrial society. Emphasis is placed on the analysis of national income, economic stability, fiscal policy, money and banking, economic growth, and international trade. Prerequisites: [AG 2383 or ECO 2314 either with a grade of "D" or better] and [MATH 1315 or MATH 1319 or MATH 1329 or MATH 2331 or MATH 2417 or MATH 2471 any with a grade of "D" or better or ACT Mathematics score of 27 or better or SAT Mathematics score of 580 or better or SAT Math Section Score 600 or better].
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ECON 2301

ECO 3301. Economics of Sports.
This course focuses on the business and economics aspects of professional and intercollegiate sports. Topics include the role of sports leagues, the demand for sports, the structure of labor markets in the four major sports, salaries of professional athletes, antitrust legislation, and intercollegiate athletics. Prerequisite: ECO 2314 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3304. Environmental Economics for Decision Makers.
Economic analytical tools and concepts are used to understand how the environment, economy, and businesses interact and the importance of public policy in shaping this interaction. Natural resources as inputs to production are explored. Current policy issues and environmental problems provide illustration and application. Prerequisite: ECO 2301 or ECO 2314 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3305. Law and Economics.
An analysis of the role of economics in the examination of law. This course considers the influence that economic theories have had on legal theory, including contracts, property, torts, business regulation, and crime. Prerequisite: ECO 2301 or ECO 2314 either with a grade of "C" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3311. Money and Banking.
A study of money and credit in the modern economy. Examines the development of modern money and banking systems, the structure of the Federal Reserve System, and monetary theory. Prerequisite: ECO 2314 and ECO 2315 both with grades of "C" or better and [MATH 1329 or MATH 2331 or MATH 2471] any with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3313. Labor Economics.
A study of the application to labor markets of supply and demand principles. Topics include the work/leisure decision, time allocation in the household, the demand for education and training, the firm's use of labor inputs, the impact of unions, and discrimination in labor markets based on race and gender. Prerequisite: ECO 2314 with a grade of "C" or better and [MATH 1329 or MATH 2331 or MATH 2471] any with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3314. Intermediate Microeconomics.
A study of theories of supply and demand; consumer and producer decision-making; firm pricing policies; product and resource markets under conditions of perfect and imperfect competition; and imperfect and asymmetric information. Prerequisite: ECO 2315 with a grade of "C" or better and [MATH 1329 or MATH 2331 or MATH 2471] any with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3315. Intermediate Macroeconomics.
An analysis of the traditional and modern theories of inflation, unemployment, long-run economic growth, and stabilization policies for promoting economic stability. Prerequisite: ECO 2314 and ECO 2315 both with grades of "C" or better and [MATH 1329 or MATH 2331 or MATH 2471] any with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3317. International Economics.
A study of the basis for trade among nations and the means of its financing, customs unions, balance-of-payments problems, and similar issues. (MULT). Prerequisite: ECO 2314 and ECO 2315 both with grades of "C" or better and [MATH 1329 or MATH 2331 or MATH 2471] any with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ECO 3320. Emerging Market Economies.
The course focuses on the structural characteristics of the emerging market economies, with an emphasis on analyzing the salient economic challenges and opportunities facing contemporary emerging market economies. (WI) Prerequisite: ECO 2314 and ECO 2315 both with grades of "C" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ECO 3327. Public Finance.
A study of the growth of the revenue and debt of the United States, taxation and tax incidence theory, and the effect of public expenditures and taxes on economic growth. (WI). Prerequisite: ECO 2314 and ECO 2315 both with grades of "C" or better and [MATH 1329 or MATH 2331 or MATH 2471] any with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ECO 3334. Business Enterprise and Public Policy.
A survey of the development and structure of American industry and of governmental regulation of business. (WI) Prerequisite: ECO 2314 with a grade of "C" or better; MATH 1329 or MATH 2331 or MATH 2471 with a grade of "D" or better; Overall GPA 2.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ECO 3335. Managerial Economics.
A study of the application of economic analysis in the formulation of business policies. Includes demand analysis and pricing policies. Prerequisite: ECO 2314 with a grade of "C" or better and [MATH 1329 or MATH 2331 or MATH 2471] any with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3353. Comparative Economic Systems.
An analysis of the theory and practice of capitalism, socialism, and communism. Prerequisite: ECO 2301 or [ECO 2314 and ECO 2315] either with a grade of "C" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 4305. Urban and Regional Economics.
A study of urban and regional economic issues including regional growth, crime, transportation, and the urban-rural interface. A focus on sources and uses of models and data unique to regional science and urban economics. (WI) Prerequisites: ECO 2314 and ECO 2315 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ECO 4313. Econometrics.
This course studies statistical estimation, inference and forecasting methods used in economic research with a focus on models and methods unique to economics. (WI) Prerequisite: ECO 2314; ECO 2315; both with grades of "C" or better; QMST 2333; MATH 1329 or MATH 2331 or MATH 2471; all with grades of "D" or better; Overall GPA 2.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ECO 4390. Internship in Economics.
Integration of professional and academic experience through an internship with an external employer. Credit awarded as pass/fail or grade at departmental election. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

ECO 4395. Independent Study in Economics.
An in-depth study of a single topic or related problem solved through economic research. May be repeated once for credit with different emphasis. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

Courses in Finance (FIN)

FIN 3301. Real Esate.
A study of basic real estate principles. Topics include legal instruments and processes, property management, valuations, planning, development and sales, financing, and private and public interests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 3312. Business Finance.
This course is an introduction to the finance function and to problems confronting financial managers. Topics covered include ratio analysis, time value of money, asset valuation, and risk and return. Prerequisite: ACC 2362 and CIS 1323 and ECO 2314 and ECO 2315 and [MATH 1329 or MATH 2331 or MATH 2471] all with grades of "D" or better. Corequisite: QMST 2333 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 3313. Financial Management.
This course is an advanced study of intermediate and long-term financing alternatives, the incorporation of risk analyses in capital budgeting and the determination of capital costs, capital structure, and dividend policies. Prerequisite: FIN 3312 with a grade of "B" or better and QMST 2333 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 3316. Financial Information Technologies.
The course introduces students to technology supporting financial modeling and decision making. Students use computers to apply concepts and theories learned in the introductory Finance course. Course relies on quantitative analysis and use of the internet. Prerequisite: FIN 3312 with a grade of "B" or better and QMST 2333 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 3318. Investment Analysis.
This course studies the principles governing the investment of personal and institutional funds. Also examined are information sources, exchanges, and regulations. Prerequisite: FIN 3312 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 3325. Personal Financial Management.
A study of modern money management, including budgeting, banking, real estate, insurance, consumer credit, and retirement and estate planning. Not for Business majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 3326. Financial Planning Insurance.
An introduction to the steps in the financial planning process. Topics include assessing financial objectives, financial planning, and personal financial management. Insurance planning is emphasized. Prerequisites: FIN 3312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 3335. Retirement Planning and Employee Benefits.
Planning for individual and family retirement using models, software, and the analysis of federal regulations. Employee benefits are described and analyzed based on current practices and federal regulations. Prerequisite: FIN 3318 and FIN 3326 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 4317. Case Problems in Finance.
An application of investment and financial management techniques and concepts to finance cases. Issues and alternatives are identified and evaluated. (WI) Prerequisite: FIN 3313 and FIN 3316 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FIN 4318. Portfolio Management & Derivatives.
An advanced investments course which includes the following topics: portfolio analysis and management, derivatives theory and pricing, and applications of derivatives in portfolio management. Prerequisite: FIN 3313 and FIN 3316 and FIN 3318 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 4319. Financial Markets and Institutions.
A study of financial assets, money and capital markets, institutional intermediaries, and the impact of interest rates. Affords a thorough examination of the financial system facilitating economic growth and development. Prerequisite: ECO 3311 and FIN 3313 and FIN 3316 all with grades of "D" or better. Corequisite: FIN 3318 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 4320. Treasury and Working Capital Management.
A study of working capital and short-term financial management. Major topics include cash collections, cash concentration, disbursement management, forecasting cash flows, management of receivables and inventory, banking relationships, and short-term investment and borrow strategies. Prerequisite: FIN 3313 and FIN 3316 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 4321. Real Estate Finance.
An analysis of problems involved in selecting and financing real estate investment opportunities. Prerequisite: FIN 3312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 4322. Student Managed Investment Fund Practicum.
The course examines the issues involved in the management and investment strategies of an endowment. It focuses on investment analysis, asset allocation, portfolio monitoring, evaluation, and rebalancing. May be repeated one time for credit with different emphasis. Prerequisites: FIN 3318 with a grade of "D" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

FIN 4325. Advanced Financial Planning.
Advanced course for finance majors interested in financial planning. Topics include ethics in the financial services industry, retirement planning and employee benefits, and estate planning. Prerequisite: FIN 3318 and FIN 3326 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 4326. Financial Plan Development.
Financial Plan Development. Capstone course in personal financial planning. Integration of the financial planning curriculum in the development and presentation of a comprehensive personal financial plan. Prerequisite: FIN 3335 and FIN 4325 both with grades of "D" or better. Corequisite: ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FIN 4331. International Finance.
A study of international finance principles and their application in a multinational financial management setting. (MULT). Prerequisite: ECO 3311 and FIN 3313 and FIN 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 4340. Commercial Bank Management.
Examines a variety of aspects of managing a commercial bank. Provides students with a conceptual framework for determining the effects of various decisions and environmental factors on a commercial bank's operations. Issues addressed include bank regulations, asset and liability management, analyzing bank performance, and capital management. Prerequisite: FIN 3313 and FIN 3316 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 4380A. Advance Capital Budgeting.
A study of capital budgeting techniques, analyses (including risk), and strategies, and their implementation in capital assets investment. Prerequisite: FIN 3313 and FIN 3316 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FIN 4380F. New Venture Finance.
An advanced study of methodolgies to value financial investments; including but not limited to capital expenditures, commercial real estate, public companies, private companies, and start-up companies. Additional studies will include cost of capital structure and funding sources and alternatives. Prerequisite: FIN 3313 and FIN 3316 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FIN 4380G. Financial Modeling and Equity Analysis.
This course reviews and extends students' ability to perform financial statement analysis and forecasting. The focus of the course is on producing objective, theory-based company valuation research. Students will choose and defend inputs for qualitative analysis, and discover the importance of qualitative factors in firm value and performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FIN 4380H. Introduction to Fiduciary Law.
This course will develop the student's fiduciary knowledge and skills. Students will develop a basic understanding of estate and trust administration, risk management, compliance, and tax planning. Key concepts will include Intestate Succession, Wills, Estate Administration, Trusts, Fiduciary Litigation, Wealth Transfer Taxation, Death and Disability Planning. Prerequisites: FIN 3312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FIN 4380I. Introduction to Trust Principles.
The course will explain the principles of estate planning, taxation and different forms of property ownership. A focus will be on the characteristics, administration and usage of trusts, retirement plans, guardianships and powers of attorney. Students will also follow the process of creating and administering a will containing Trust provisions. Prerequisite: FIN 3312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FIN 4380J. Introduction to Finance Analytics.
This course examines how data can be turned into insights for advance Finance concepts (trading strategies, portfolio optimization, model evaluation, investment planning, etc.). This course will show how to use open-source software (R, Python) in a Finance context. This is a hands-on practical programming course with step-by-step source code, in-class exercises and full solutions provided. No previous knowledge of programming is required. However, to be successful in this course you need to want to learn to program. Upon completion, students will be aware of financial models related to investments and corporate finance and will be able to write simple code. Prerequisite: FIN 3313 and FIN 3318 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FIN 4390. Internship in Finance.
Integration of professional and academic experience through an internship with an external employer. Students must have completed at least nine hours of major courses. Credit awarded as pass/fail or grade at departmental election. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

FIN 4395. Independent Study in Finance.
An in-depth study of a single topic or related problem solved through finance research. May be repeated once for credit with different emphasis. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in Economics

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, six hours of 2000-level modern language courses and a minor. In addition to completing the mathematics and life and physical sciences requirements of the general education core curriculum, students must complete one additional science course (3-4 hours) from anthropology (biological anthropology only), biology, chemistry, computer science, geography (physical geography only), mathematics, philosophy (logic only), and physics.
3. To be eligible to declare the B.A. degree with a major in Economics, students must be in good academic standing.
4. For transfer students, 12 semester credit hours in Economics (or equivalents) may be transferred from a Texas public institution of higher education for the Economics Field of Study and be applied to the Bachelor of Arts degree with a major in Economics at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
ECO 2315	Principles of Macroeconomics	3
TCCN: ECON 2301		
ECO 2314	Principles of Microeconomics	3
TCCN: ECON 2302		
MATH 1329	Mathematics for Business and Economics II	3
or MATH 2321	Calculus for Life Sciences I	
TCCN: MATH 1325 or MATH 2313		
QMST 2333	Business Statistics	3
or MATH 1312	College Statistics and Algebra	
TCCN: BUSI 2305 or MATH 1342		
Total Hours		12

5. Students must achieve the following minimum grade point averages for graduation:
   - a Texas State GPA of 2.00,
   - a major(s) GPA of 2.25 (includes major courses and restricted/advanced electives), and
   - a GPA of 2.0 in the minor(s).

Course Requirements

Freshman			
First Semester	**Hours**	**Second Semester**	**Hours**
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	HIST 1310 (American History Component Code 060)	3
MATH 1329 (Mathematics Component Code 020)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3
COMM 1310 (Component Area Option Code 090/091)	3	Modern Language 1410	4
US 1100	1		
	16		16

Sophomore			
First Semester	**Hours**	**Second Semester**	**Hours**
ECO 2314 (Social & Behavioral Sciences Component Code 080)	3	ECO 2315	3
ENG Literature (Component Area Option Code 090/094)	3	BA Computer Science, Logic, Mathematics or science	3
Minor	3	Minor	3
Modern Language 1420	4	Modern Language 2310	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
	16		15

Junior			
First Semester	**Hours**	**Second Semester**	**Hours**
ECO 3314	3	ECO 3315	3
Modern Language 2320	3	ECO Advanced Elective[1]	3
Minor	6	BA ENG Literature	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	Minor or Free Electives	6
	15		15

Senior			
First Semester	**Hours**	**Second Semester**	**Hours**
ECO Advanced Elective[1]	3	ECO Advanced Electives[1]	6
Free Electives	7	Free Electives	8
Minor or Free Elective	3		
	13		14

Total Hours: 120

[1] ECO advanced electives may be chosen from any 3000-4000 level ECO courses not required for the major (excluding any ELADV course).

Bachelor of Business Administration (B.B.A.) Major in Economics

Minimum required: 120 semester credit hours

Admission Requirements

Admission to the McCoy College of Business Administration (McCoy College) is competitive, and a student must be admitted to the McCoy College to pursue a B.B.A. degree. Consideration for admission to McCoy College undergraduate programs is based on specific admission criteria and is conducted as a rolling admission process. For current Texas State students, applications are available online at http://advising.mccoy.txstate.edu/apply. For students not yet admitted to the University, applications are available online at www.applytexas.org (http://www.applytexas.org). Students should list a business major as their first major choice.

Priority dates are March 1 for summer/fall semester and October 15 for the spring semester. Applications received after the priority date will be considered for admission on a space-available basis. Students not yet admitted to Texas State must meet Texas State admission deadlines. Students attending Texas State who are currently on academic probation are not eligible for admission to McCoy College.

Freshmen and Students with fewer than 30 Semester Credit Hours

Students with fewer than 30 semester credit hours will be automatically admitted to the McCoy College if they receive assured admission (http://www.admissions.txstate.edu/future/freshman/admissions-requirements.html) to Texas State and select a first-choice major in the McCoy College of Business Administration. Students who are admitted to the University but denied admission to McCoy College will be considered for admission to their second choice major or as an exploratory professional major.

Students with 30 or more Semester Credit Hours

Students who have completed at least 30 semester credit hours, including ENG 1310, ENG 1320, and MATH 1329, either at Texas State or another college or university and who have a minimum 2.5 overall GPA will be considered for admission based upon a competitive index using the grades from ENG 1310,ENG 1320, MATH 1329, and the overall GPA from all colleges and universities attended. Students will be automatically admitted if they have a cumulative GPA of 3.25 or higher and have completed ENG 1310, ENG 1320 and MATH 1329.

General Requirements

1. For the B.B.A. degree, any McCoy College student whose Texas State GPA drops below a 2.0 is placed on probation by Texas State and on restricted status by McCoy College. Students on restricted status must increase their Texas State GPA to at least 2.0 in the subsequent semester or their admission to McCoy College will be voided. Students are required to meet with a representative of the McCoy College Academic Advising Center to remove probation holds; otherwise, the hold will prevent registration or schedule changes. A student whose admission is voided may regain admission to McCoy College by going through the application process and competing with other applicants for openings. Students with a Texas State GPA

below a 2.0 are also subject to the University academic probation and suspension policies.

2. All students seeking the B.B.A. must complete the following general education core curriculum courses as required by McCoy College. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for other information about the general education core curriculum.
3. To provide a common body of knowledge in business, all students seeking the B.B.A. must complete the following common core of business courses or their equivalents as required by the McCoy College:

Code	Title	Hours
B A 2310	Introduction to Business in a Global Environment	3
ACC 2361	Introduction to Financial Accounting	3
ACC 2362	Introduction to Managerial Accounting	3
CIS 1323	Introduction to Microcomputer Applications	3
ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
BLAW 2361	Legal Environment of Business	3
QMST 2333	Business Statistics	3
MGT 3303	Management of Organizations	3
MKT 3343	Principles of Marketing	3
CIS 3380	Enterprise Information Technology and Business Intelligence	3
FIN 3312	Business Finance	3
MGT 3453	Business Communication and Professional Development [1]	4
MGT 4335	Strategic Management and Business Policy	3

[1] Students in the 2014 and subsequent catalog years cannot receive credit for MGT 3353.

4. A combination of courses in the major program area specified by the appropriate academic department and restricted upper-division business electives to complement the major are also required for the B.B.A.
5. Free electives to achieve a minimum total of 120 semester hours are also required. To ensure compliance with the course requirements for a B.B.A. degree, students should follow the general sequence of courses specified for the curriculum in this section of the catalog.
6. Also, students who did not complete satisfactorily at least two years of the same foreign language in high school must complete two semesters (6-8 hours) of a single foreign language in college.
7. Nine hours of designated “writing intensive” (WI) courses must be completed at Texas State to satisfy degree requirements.
8. For transfer students, 24 semester credit hours in the business core curriculum (or their equivalents) may be transferred from a Texas public institution of higher education for the Business Administration and Management Field of Study and be applied to the B.B.A. major in Economics at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. If transferring additional business courses please contact the McCoy College of Business Administration CenturyLink Academic Advising Center for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list. Students who complete MATH 1319 (TCCN: MATH 1324) in the FOS will receive 3 semester credit hours towards free electives.

Code	Title	Hours
CIS 1323	Introduction to Microcomputer Applications	3
TCCN: BCIS 1305		
B A 2310	Introduction to Business in a Global Environment	3
TCCN: BUSI 1301		
ECO 2314	Principles of Microeconomics	3
TCCN: ECON 2302		
ECO 2315	Principles of Macroeconomics	3
TCCN: ECON 2301		
ACC 2361	Introduction to Financial Accounting	3
TCCN: ACCT 2301		
ACC 2362	Introduction to Managerial Accounting	3
TCCN: ACCT 2302		
QMST 2333	Business Statistics	3
TCCN: BUSI 2305		
Elective		3
TCCN: MATH 1324		
Total Hours		24

9. Students must achieve the following minimum grade-point averages for graduation:

- a Texas State GPA of 2.00
- a Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives); and
- a GPA of 2.0 in the minor(s).

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Copmmunication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	HIST 1310 (American History Component Code 060)	3
MATH 1329 (Mathematics Component Code 020)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3
COMM 1310 (Component Area Option Code 090/091)	3	CIS 1323[3]	3
US 1100	1		
	16		15

Sophomore

First Semester	Hours	Second Semester	Hours
ACC 2361	3	ACC 2362	3

ECO 2314 (Social & Behavioral Sciences Component Code 080)	3	ECO 2315	3
B A 2310	3	BLAW 2361	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
QMST 2333	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
CIS 3380	3	ECO 3315	3
ECO 3314	3	ECO Advanced Elective[1]	3
ECO Advanced Elective[1]	3	MKT 3343	3
ENG Literature (Component Area Option Code 090/094)	3	FIN 3312	3
MGT 3303	3	MGT 3453	4
	15		16

Senior

First Semester	Hours	Second Semester	Hours
Business, Advanced Elective[2]	3	Free Elective	1
ECO Advanced Elective[1]	3	Business, Advanced Electives[2]	6
Select one of the following:	3	ECO Advanced Elective[1]	3
MGT 4330		MGT 4335	3
FIN 3316			
QMST 3334			
Free Electives	6		
	15		13

Total Hours: 120

1. ECO advanced electives may be chosen from any 3000-4000 level ECO courses not required for the major (excluding any ELADV course).
2. The advanced electives in business may be chosen from any 3000-4000 level business courses not required for the major (excluding any ELADV course).
3. Credit can be earned by successfully passing a test. Students must pay a fee to take the test.

Bachelor of Business Administration (B.B.A.) Major in Finance

Minimum required: 120 semester credit hours

Admission Requirements

Admission to the McCoy College of Business Administration (McCoy College) is competitive, and a student must be admitted to the McCoy College to pursue a B.B.A. degree. Consideration for admission to McCoy College undergraduate programs is based on specific admission criteria and is conducted as a rolling admission process. For current Texas State students, applications are available online at http://advising.mccoy.txstate.edu/apply. For students not yet admitted to the University, applications are available online at www.applytexas.org (http://www.applytexas.org). Students should list a business major as their first major choice.

Priority dates are March 1 for summer/fall semester and October 15 for the spring semester. Applications received after the priority date will be considered for admission on a space-available basis. Students not yet admitted to Texas State must meet Texas State admission deadlines. Students attending Texas State who are currently on academic probation are not eligible for admission to McCoy College.

Freshmen and Students with fewer than 30 Semester Credit Hours

Students with fewer than 30 semester credit hours will be automatically admitted to the McCoy College if they receive assured admission (http://www.admissions.txstate.edu/future/freshman/admissions-requirements.html) to Texas State and select a first-choice major in the McCoy College of Business Administration. Students who are admitted to the University but denied admission to McCoy College will be considered for admission to their second choice major or as an exploratory professional major.

Students with 30 or more Semester Credit Hours

Students who have completed at least 30 semester credit hours, including ENG 1310, ENG 1320, and MATH 1329, either at Texas State or another college or university and who have a minimum 2.5 overall GPA will be considered for admission based upon a competitive index using the grades from ENG 1310,ENG 1320, MATH 1329, and the overall GPA from all colleges and universities attended. Students will be automatically admitted if they have a cumulative GPA of 3.25 or higher and have completed ENG 1310, ENG 1320 and MATH 1329.

General Requirements

1. For the B.B.A. degree, any McCoy College student whose Texas State GPA drops below a 2.0 is placed on probation by Texas State and on restricted status by McCoy College. Students on restricted status must increase their Texas State GPA to at least 2.0 in the subsequent semester or their admission to McCoy College will be voided. Students are required to meet with a representative of the McCoy College Academic Advising Center to remove probation holds; otherwise, the hold will prevent registration or schedule changes. A student whose admission is voided may regain admission to McCoy College by going through the application process and competing with other applicants for openings. Students with a Texas State GPA below a 2.0 are also subject to the University academic probation and suspension policies.
2. All students seeking the B.B.A. must complete the following general education core curriculum courses as required by McCoy College. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for other information about the general education core curriculum.
3. To provide a common body of knowledge in business, all students seeking the B.B.A. must complete the following common core of business courses or their equivalents as required by the McCoy College:

Code	Title	Hours
B A 2310	Introduction to Business in a Global Environment	3
ACC 2361	Introduction to Financial Accounting	3
ACC 2362	Introduction to Managerial Accounting	3
CIS 1323	Introduction to Microcomputer Applications	3
ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
BLAW 2361	Legal Environment of Business	3
QMST 2333	Business Statistics	3
MGT 3303	Management of Organizations	3
MKT 3343	Principles of Marketing	3
CIS 3380	Enterprise Information Technology and Business Intelligence	3
FIN 3312	Business Finance	3
MGT 3453	Business Communication and Professional Development [1]	4
MGT 4335	Strategic Management and Business Policy	3

[1] Students in the 2014 and subsequent catalog years cannot receive credit for MGT 3353.

4. A combination of courses in the major program area specified by the appropriate academic department and restricted upper-division business electives to complement the major are also required for the B.B.A.
5. Free electives to achieve a minimum total of 120 semester hours are also required. To ensure compliance with the course requirements for a B.B.A. degree, students should follow the general sequence of courses specified for the curriculum in this section of the catalog.
6. Also, students who did not complete satisfactorily at least two years of the same foreign language in high school must complete two semesters (6-8 hours) of a single foreign language in college.
7. Nine hours of designated "writing intensive" (WI) courses must be completed at Texas State to satisfy degree requirements.
8. For transfer students, 24 semester credit hours in the business core curriculum (or their equivalents) may be transferred from a Texas public institution of higher education for the Business Administration and Management Field of Study and be applied to the B.B.A. major in Finance at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. If transferring additional business courses please contact the McCoy College of Business Administration CenturyLink Academic Advising Center for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list. Students who complete MATH 1319 (TCCN: MATH 1324) in the FOS will receive 3 semester credit hours towards free electives.

Code	Title	Hours
CIS 1323	Introduction to Microcomputer Applications	3
TCCN: BCIS 1305		
B A 2310	Introduction to Business in a Global Environment	3
TCCN: BUSI 1301		
ECO 2314	Principles of Microeconomics	3
TCCN: ECON 2302		
ECO 2315	Principles of Macroeconomics	3
TCCN: ECON 2301		
ACC 2361	Introduction to Financial Accounting	3
TCCN: ACCT 2301		
ACC 2362	Introduction to Managerial Accounting	3
TCCN: ACCT 2302		
QMST 2333	Business Statistics	3
TCCN: BUSI 2305		
Elective		3
TCCN: MATH 1324		
Total Hours		24

9. Students must achieve the following minimum grade-point averages for graduation:
   - a Texas State GPA of 2.00
   - a Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives); and
   - a GPA of 2.0 in the minor(s).

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	HIST 1310 (American History Component Code 060)	3
MATH 1329 (Mathematics Component Code 020)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3
COMM 1310 (Component Area Option Code 090/091)	3	CIS 1323[2]	3
US 1100	1		
	16		15

Sophomore

First Semester	Hours	Second Semester	Hours
ACC 2361	3	ACC 2362	3
ECO 2314 (Social & Behavioral Sciences Component Code 080)	3	ECO 2315	3
B A 2310	3	BLAW 2361	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
QMST 2333	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	15		15

			Junior
First Semester	Hours	Second Semester	Hours
MGT 3303	3	MGT 3453	4
CIS 3380	3	ECO 3311	3
FIN 3312	3	FIN 3313	3
ACC 3313	3	FIN 3316	3
ENG Literature (Component Area Option Code 090/094)	3	FIN 3318	3
	15		16

			Senior
First Semester	Hours	Second Semester	Hours
Free Elective	3	Free Electives	4
MKT 3343	3	FIN Advanced Elective	3
FIN Advanced Elective	3	FIN 4319	3
ACC Advanced Elective	3	MGT 4335 (Capstone)	3
ECO Advanced Elective[1]	3		
	15		13

Total Hours: 120

1 ECO advanced elective may be chosen from any 3000-4000 level ECO course not required for the major (excluding any ELADV course).

2 Credit can be earned by successfully passing a test. Students must pay a fee to take the test.

FIN Advanced Electives

Code	Title	Hours
FIN 4317	Case Problems in Finance	3
FIN 4318	Portfolio Management & Derivatives	3
FIN 4320	Treasury and Working Capital Management	3
FIN 4321	Real Estate Finance	3
FIN 4322	Student Managed Investment Fund Practicum	3
FIN 4325	Advanced Financial Planning	3
FIN 4326	Financial Plan Development	3
FIN 4331	International Finance	3
FIN 4340	Commercial Bank Management	3
Any FIN 4380 course		

ACC Advanced Electives

Code	Title	Hours
ACC 3314	Intermediate Accounting II	3
ACC 3365	Cost/Managerial Accounting	3
ACC 3385	Accounting Systems	3
ACC 4328	Survey of Income Tax	3

Minor in Economics

The minor in Economics requires 18 semester credit hours. Economics majors are not eligible to select the Economics minor.

Code	Title	Hours
Required Courses		
ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
Electives		
Choose 12 hours of advanced ECO courses		12
Total Hours		18

Department of Management

McCoy Hall Room 524
T: 512.245.2571 F: 512.245.2850
www.mgt.mccoy.txstate.edu (http://www.mgt.mccoy.txstate.edu)

The mission of the Department of Management is to educate our students to become successful managers and leaders in a dynamic business world. To accomplish this mission, we balance effective teaching with scholarly activities and our professional service contributions. Faculty strive for quality in all department course offerings and undertakings to help prepare students for leadership and service in private and public organizations.

The Management program prepares students for challenging careers in a variety of business and governmental organizations, as well as secondary education. Management majors typically pursue careers in human resource management, industrial relations, production management, hospital administration, office management, and sales management. The concentration in Entrepreneurial Studies is designed for students who wish to start, operate, or expand their own businesses or family-owned businesses. The concentration in Human Resource Management is designed to prepare students for careers in human resource management. Both concentrations consist of 12 hours of undergraduate coursework that may be accommodated within the 120 hours required in the undergraduate business curriculum. More information is available in the McCoy College Academic Advising Center.

Bachelor of Business Administration (B.B.A.)

- Major in Management (p. 179)
- Major in Management (Entrepreneurial Studies Concentration) (p. 181)
- Major in Management (Human Resource Management Concentration) (p. 183)

Courses in Management (MGT)

MGT 3303. Management of Organizations.
A study of management functions in modern organizations, the internal and external environmental factors affecting organizational efficiency, and the application of quantitative and behavioral science to management study.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 3353. Business Communication.
This course provides an introduction to the uses of communication in business and focuses on communication models, general semantics, effective writing style, selection and organization of content and medium(s), effective oral communication, employment communication, and causes of miscommunication. Students will not receive credit for both MGT 3353 and MGT 3453. (WI) Prerequisites: ENG 1310 and ENG 1320 and [COMM 1310 or COMM 2338] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MGT 3360. Studies in Entrepreneurship.
Students gain personal insights into entrepreneurship as entrepreneurs describe their contributions, reveal the sources of ideas, and discover ways of growth and success. Includes starting and managing businesses as well as ownership forms, sources of funds, location analysis, facility requirements, management, marketing, and feasibility plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 3361. Small Business Operations and Financials.
This course is a study of funding and financial concepts necessary to effectively operate a successful small business. Students will use software programs to maintain working capital and a complete set of books related to running businesses. Prerequisite: ACC 2301 or ACC 2361 either with a grade of "D" or better. Corequisite: MGT 3360 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 3362. Family Business and Franchising.
This course addresses the important and unique management aspects of family businesses and franchises. Family business topics include family culture, communication, conflict resolution, succession, and estate planning. Franchising topics include franchise selection, contracts, legal issues, and current trends in franchising. Issues affecting both the franchisee and the franchisor are explored. Prerequisite: MGT 3361 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 3365. Communication Systems.
Office information and decision support systems are examined as critical elements in business data and information systems. Emphasis is given to information processing considerations at the systems level, including analysis and management of support activities such as data and records management, electronic filing and retrieval systems, word processing, micro and reprographics, and telecommunications. Includes discussions of current and future technological trends. Prerequisite: MGT 3303 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MGT 3375. International Business.
International business perspectives underlying different business functions. Concepts, processes, and philosophical bases for international operations in selected global markets are emphasized with culture and global dynamic environment as the basis. A project is required. (MULT) (WI). Prerequisite: MGT 3303 with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

MGT 3453. Business Communication and Professional Development.
This course is designed to enhance critical professional skills including interviewing, networking, teamwork, emotional and cultural intelligence, public speaking, and applicable ethical considerations. It introduces theories of business communication including communication models, general semantics, and causes of miscommunication. Students will not receive credit for both MGT 3453 and MGT 3353. (WI) Prerequisites: ENG 1310 and ENG 1320 and [COMM 1310 or COMM 2338] all with grades of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Writing Intensive
Grade Mode: Standard Letter

MGT 4315. Business Principles, Issues and Trends.
Review of the fundamentals of business administration as applied to contemporary business problems. Also, a discussion of current business issues and trends. Open to students seeking certification only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4330. Operations Management.
A study of the various aspects of managing production and operations management functions in manufacturing and service organizations. Methods necessary for analyzing and solving related problems to design, operations, and improvements of the systems that create products and/or services in a global supply chain environment are investigated and emphasized. Prerequisite: MGT 3303 and [IE 3330 or QMST 2333 or TECH 3364] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4335. Strategic Management and Business Policy.
An integrative course in strategic management and business policy that utilizes the case method of instruction. A capstone course involving the analysis of business through the application of principles of accounting, communications, economics, finance, management, marketing, quantitative methods, and related disciplines. (Capstone Course) (WI) Prerequisite: MGT 3303 and MKT 3343 and FIN 3312 and QMST 2333 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MGT 4340. Quality Management and Beyond.
A conceptual and practical overview of the role of quality as a system for establishing a "world class" competitive position. It explores philosophies and ideas of the leading thinkers in quality management, impact of process improvement methods, quality requirements definition and organizational change as it applies to total quality initiatives. (WI) Prerequisite: QMST 2333 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MGT 4350. Business Plan Development.
Students work in teams to select, create, and write solid business plans for proposed or real businesses. Prerequisite: MGT 3361 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MGT 4351. Applied Entrepreneurship.
Students design, staff, operate, and manage a business or service. Business teams develop financial and operational control systems and procedures for organizational, group, and individual performance evaluations, implement service and business projects, and provide a final public report. Prerequisite: MGT 4350 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MGT 4353. Integrative Field Project.
Students work directly with entrepreneurs to research projects and recommend solutions. May involve providing business development assistance to entrepreneurs. Students may work individually or in teams. Project results are summarized in a comprehensive written report and a formal oral presentation. Prerequisite: MGT 3360 with a grade of "D" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MGT 4370. Business Ethics.
This course examines a variety of ethical issues in business from the point of view of practicing manager and corporate leaders. This course is designed to enhance moral awareness and facilitate individual development with respect to making ethical decisions that contribute to effective corporate management and leadership. Prerequisite: MGT 3303 and PHIL 1320 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MGT 4371. Business, Government, and Society.
An integration of a number of disciplines and value systems which affect and determine the proper role of business in satisfying the needs of customers, creditors, community, government, stockholders, managers, employees, suppliers, and society in general. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4372. Effective Leadership.
This course facilitates the development of leadership capabilities and addresses the complexities, paradoxes, and challenges of leadership. Through self-assessments, readings, lectures, and assignments students gain an appreciation of effective leadership approaches and are provided with opportunities to practice new leadership behaviors. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4373. Human Resource Management.
A study of the principles of human resource management in public and private institutions. Stresses the human resource aspects of recruitment, selection and placement, performance appraisal and compensation. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4375. Organizational Behavior and Human Relations.
A study of the role of the individual in formal organizations, group dynamics, motivation theory, communication and leadership. Integrates behavioral science concepts. Prerequisite: MGT 3303 with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4377. Labor Relations and Collective Bargaining.
A study of unions and their impact on private and public employment. Examines union growth and governance, collective bargaining, contract negotiation and administration, and arbitration and mediation. Prerequisite: MGT 4373 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MGT 4378. Training and Development.
This course is designed to develop theoretical and applied perspective on needs assessment, design, development, delivery and evaluation of training and development in organizational contexts. Prerequisites: MGT 4373 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4379. Organizational Staffing.
A study of current theory and practice in the process of selecting the right employees for positions within the organization, including HR planning, EEO, job analysis, recruitment, and selection procedures. Prerequisite: MGT 4373 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4380. Compensation Management.
A study of the compensation administration in public and private organizations, with stress on the determinants of general wage levels; job analysis and evaluation; incentive, merit, seniority, and executive compensation; fringe benefits, and wage and salary control. Prerequisite: MGT 4373 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4385. Management Thought: Past, Present, and Future.
This course examines how thinking about management has developed over time. It discusses changing social, political, and technological forces challenging managers to think in new ways. Significant management ideas will be examined in their contexts for the purpose of better understanding how to successfully manage for the future. Prerequisite: MGT 3303 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4390A. Advanced Business Communication.
An advanced study of the uses of business communication in modern organizations. Students gain experience in making decisions involving selection and organization of communication content, and in choosing an appropriate medium for presentation of information. Emphasis is placed on gaining proficiency in various business communication processes. (WI) Prerequisite: MGT 3303 and MGT 3353 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MGT 4390B. Management of the Digital Enterprise.
A study of management in the digital age. Course will look at the impact of digital communications and the new economy on traditional and e-commerce businesses. Topics will include changes in both strategic management as well as functional management (marketing, operations, finance, HR, etc.) Prerequisite: MGT 3303 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MGT 4390E. Management of New Product Development.
Identifies the requirements and benefits of effective and efficient new product development. Topics include best practices of new-product development management, managing the new product process from idea generation, evaluation and selection; business case development; validation and verification testing; and product launch; and product portfolio management. Prerequisites: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390G. Cross-Cultural Human Relations.
This course is designed to develop theoretical and applied perspectives on cross-cultural human relations within a variety of international business contexts. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390J. Organizational Change.
This course presents an overview of the change process and stresses the key issues involved in reengineering and renewing organizations. Problems dealing with stress and conflict during major change will be explored, along with practical ideas on building effective teams to make change possible and sustainable. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390K. Business Creativity and Innovation.
Focuses on the importance of creativity and innovation to business organizations. Topics include the generation of creative ideas, transformation of ideas into commercially viable products/services, legal protection of new products/services, and environmental factors contributing to innovation success. Course objectives are met primarily through classroom discussion and exercises. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390L. Managing Projects.
Intensive coverage of management in a wide range of project applications from concept through operations. Planning, scheduling, controlling, economic analysis, quality control and customer satisfaction. Prerequisite: MGT 4330 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390O. Leadership Development: Business as Unusual.
This course is a directed study and practical application of the principles of "Business as Unusual". Students will develop leadership skills for the experience economy through an intensive, highly interactive class format. Students will be paired with upper-level business professionals for one-on-one coaching and mentoring. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390P. Coaching and Mentoring Practicum.
This course is a directed, practical application of extant leadership theories and principles. Students will further develop their leadership skills through intensive experiential activities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390Q. Introduction to Business in a Global Environment.
The course introduces the modern business enterprise with an emphasis on the interdependence of the business functions in a global environment. Topics include the cross border impacts of culture, politics, and law on trade, investment, marketing, management, and accounting and financial systems. Restricted to BBA students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390R. Transformative Leadership for Nonprofits (NPs) and Non-Governmental Organizations (NGOs).
This course provides a practical and strategic understanding of the legal, management and marketing challenges facing nonprofit and non-governmental organizations and the transformative leadership required to guide them as they attempt to do something positive for people, society and/or the environment beyond or between the roles of government and business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390S. Business Contracts/Negotiation.
This course focuses on techniques for the development and strategic planning required for successfully negotiating business contracts, negotiation skills, and conflict resolution issues/techniques. Prerequisite: MGT 3303 with a grade of "D" or better. Corequisite: MGT 4373 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390T. Effective Teams and Groups.
An examination of and the consequent development of those skills necessary to effectively manage and increase the productivity of task-oriented groups and teams. Issues, problems, and concepts frequently encountered are addressed, as well as possible solutions Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390U. Management for Sustainability.
This course is designed to take a broad look at Sustainability from both Ecological and Managerial perspectives with a goal of developing an awareness and understanding of the major issues and shifts that today's organizations and societies are facing as they undertake their journey to become more sustainable. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390V. Professional Skills for the Global Workplace.
This course provides a survey of relevant skills necessary to work in an international work setting. Through discussion, site-visits, and application activities, students will leave the course with an understanding and ability to apply these skills in their careers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4392. Human Resource Management Internship.
This course integrates professional and academic experience through internship with an external employer. Prerequisites: MGT 4373 with a grade of "D" or better and instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4393. Entrepreneurial Internship.
The internship class provides integration of prior professional and academic experience through an entrepreneurial internship with an external employer. Prerequisite: MGT 3360 with a grade of "D" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4395. Management Internship.
This course provides an integration of professional and academic experience through internship with an external employer. Credit is pass/fail or grade at department election. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MGT 4399. Independent Study in Management.
Directed research and extensive written assignment(s) on a selected topic related to student's area of interest. Work may consist of literature reviews, integration of literature, or other appropriate independent research, and/or practical application of research. May be repeated once with different emphasis for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Bachelor of Business Administration (B.B.A.) Major in Management

Minimum required: 120 semester credit hours

Admission Requirements

Admission to the McCoy College of Business Administration (McCoy College) is competitive, and a student must be admitted to the McCoy College to pursue a B.B.A. degree. Consideration for admission to McCoy College undergraduate programs is based on specific admission criteria and is conducted as a rolling admission process. For current Texas State students, applications are available online at http://advising.mccoy.txstate.edu/apply. For students not yet admitted to the University, applications are available online at www.applytexas.org (http://www.applytexas.org). Students should list a business major as their first major choice.

Priority dates are March 1 for summer/fall semester and October 15 for the spring semester. Applications received after the priority date will be considered for admission on a space-available basis. Students not yet admitted to Texas State must meet Texas State admission deadlines. Students attending Texas State who are currently on academic probation are not eligible for admission to McCoy College.

Freshmen and Students with fewer than 30 Semester Credit Hours

Students with fewer than 30 semester credit hours will be automatically admitted to the McCoy College if they receive assured admission (http://www.admissions.txstate.edu/future/freshman/admissions-requirements.html) to Texas State and select a first-choice major in the McCoy College of Business Administration. Students who are admitted to the University but denied admission to McCoy College will

be considered for admission to their second choice major or as an exploratory professional major.

Students with 30 or more Semester Credit Hours

Students who have completed at least 30 semester credit hours, including ENG 1310, ENG 1320, and MATH 1329, either at Texas State or another college or university and who have a minimum 2.5 overall GPA will be considered for admission based upon a competitive index using the grades from ENG 1310,ENG 1320, MATH 1329, and the overall GPA from all colleges and universities attended. Students will be automatically admitted if they have a cumulative GPA of 3.25 or higher and have completed ENG 1310, ENG 1320 and MATH 1329.

General Requirements

1. For the B.B.A. degree, any McCoy College student whose Texas State GPA drops below a 2.0 is placed on probation by Texas State and on restricted status by McCoy College. Students on restricted status must increase their Texas State GPA to at least 2.0 in the subsequent semester or their admission to McCoy College will be voided. Students are required to meet with a representative of the McCoy College Academic Advising Center to remove probation holds; otherwise, the hold will prevent registration or schedule changes. A student whose admission is voided may regain admission to McCoy College by going through the application process and competing with other applicants for openings. Students with a Texas State GPA below a 2.0 are also subject to the University academic probation and suspension policies.
2. All students seeking the B.B.A. must complete the following general education core curriculum courses as required by McCoy College. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for other information about the general education core curriculum.
3. To provide a common body of knowledge in business, all students seeking the B.B.A. must complete the following common core of business courses or their equivalents as required by the McCoy College:

Code	Title	Hours
B A 2310	Introduction to Business in a Global Environment	3
ACC 2361	Introduction to Financial Accounting	3
ACC 2362	Introduction to Managerial Accounting	3
CIS 1323	Introduction to Microcomputer Applications	3
ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
BLAW 2361	Legal Environment of Business	3
QMST 2333	Business Statistics	3
MGT 3303	Management of Organizations	3
MKT 3343	Principles of Marketing	3
CIS 3380	Enterprise Information Technology and Business Intelligence	3
FIN 3312	Business Finance	3
MGT 3453	Business Communication and Professional Development [1]	4
MGT 4335	Strategic Management and Business Policy	3

[1] Students in the 2014 and subsequent catalog years cannot receive credit for MGT 3353.

4. A combination of courses in the major program area specified by the appropriate academic department and restricted upper-division business electives to complement the major are also required for the B.B.A.
5. Free electives to achieve a minimum total of 120 semester hours are also required. To ensure compliance with the course requirements for a B.B.A. degree, students should follow the general sequence of courses specified for the curriculum in this section of the catalog.
6. Also, students who did not complete satisfactorily at least two years of the same foreign language in high school must complete two semesters (6-8 hours) of a single foreign language in college.
7. Nine hours of designated “writing intensive” (WI) courses must be completed at Texas State to satisfy degree requirements.
8. For transfer students, 24 semester credit hours in the business core curriculum (or their equivalents) may be transferred from a Texas public institution of higher education for the Business Administration and Management Field of Study and be applied to the B.B.A. major in Management at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. If transferring additional business courses please contact the McCoy College of Business Administration CenturyLink Academic Advising Center for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list. Students who complete MATH 1319 (TCCN: MATH 1324) in the FOS will receive 3 semester credit hours towards free electives.

Code	Title	Hours
CIS 1323	Introduction to Microcomputer Applications	3
TCCN: BCIS 1305		
B A 2310	Introduction to Business in a Global Environment	3
TCCN: BUSI 1301		
ECO 2314	Principles of Microeconomics	3
TCCN: ECON 2302		
ECO 2315	Principles of Macroeconomics	3
TCCN: ECON 2301		
ACC 2361	Introduction to Financial Accounting	3
TCCN: ACCT 2301		
ACC 2362	Introduction to Managerial Accounting	3
TCCN: ACCT 2302		
QMST 2333	Business Statistics	3
TCCN: BUSI 2305		
Elective		3
TCCN: MATH 1324		
Total Hours		24

9. Students must achieve the following minimum grade-point averages for graduation:

- a Texas State GPA of 2.00
- a Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives); and
- a GPA of 2.0 in the minor(s).

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	HIST 1310 (American History Component Code 060)	3
MATH 1329 (Mathematics Component Code 020)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3
COMM 1310 (Component Area Option Code 090/091)	3	CIS 1323[3]	3
US 1100	1		
	16		15

Sophomore

First Semester	Hours	Second Semester	Hours
ACC 2361	3	ACC 2362	3
ECO 2314 (Social & Behavioral Sciences Component Code 080)	3	ECO 2315	3
B A 2310	3	BLAW 2361	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
QMST 2333	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
Free Elective	3	Business, Advanced Elective[1]	3
MGT 3303	3	MGT 3453	4
MKT 3343	3	Free Electives	6
CIS 3380	3	FIN 3312	3
ENG Literature (Component Area Option Code 090/094)	3		
	15		16

Senior

First Semester	Hours	Second Semester	Hours
Business, Advanced Electives[1]	6	Business, Advanced Elective[1]	3
MGT 4330	3	Free Elective	1
MGT 4373	3	MGT Advanced Electives[2]	6
MGT 4375	3	MGT 4335	3
	15		13

Total Hours: 120

1. The advanced electives in business may be chosen from any 3000-4000 level business courses not required for the major (excluding any ELADV course).
2. MGT advanced electives may be chosen from any 3000-4000 level MGT courses not required for the major (excluding any ELADV course).
3. Credit can be earned by successfully passing a test. Students must pay a fee to take the test.

Bachelor of Business Administration (B.B.A.) Major in Management (Entrepreneurial Studies Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

Admission to the McCoy College of Business Administration (McCoy College) is competitive, and a student must be admitted to the McCoy College to pursue a B.B.A. degree. Consideration for admission to McCoy College undergraduate programs is based on specific admission criteria and is conducted as a rolling admission process. For current Texas State students, applications are available online at http://advising.mccoy.txstate.edu/apply. For students not yet admitted to the University, applications are available online at www.applytexas.org (http://www.applytexas.org). Students should list a business major as their first major choice.

Priority dates are March 1 for summer/fall semester and October 15 for the spring semester. Applications received after the priority date will be considered for admission on a space-available basis. Students not yet admitted to Texas State must meet Texas State admission deadlines. Students attending Texas State who are currently on academic probation are not eligible for admission to McCoy College.

Freshmen and Students with fewer than 30 Semester Credit Hours

Students with fewer than 30 semester credit hours will be automatically admitted to the McCoy College if they receive assured admission (http://www.admissions.txstate.edu/future/freshman/admissions-requirements.html) to Texas State and select a first-choice major in the McCoy College of Business Administration. Students who are admitted to the University but denied admission to McCoy College will be considered for admission to their second choice major or as an exploratory professional major.

Students with 30 or more Semester Credit Hours

Students who have completed at least 30 semester credit hours, including ENG 1310, ENG 1320, and MATH 1329, either at Texas State or another college or university and who have a minimum 2.5 overall GPA will be considered for admission based upon a competitive index using the grades from ENG 1310,ENG 1320, MATH 1329, and the

overall GPA from all colleges and universities attended. Students will be automatically admitted if they have a cumulative GPA of 3.25 or higher and have completed ENG 1310, ENG 1320 and MATH 1329.

General Requirements

1. For the B.B.A. degree, any McCoy College student whose Texas State GPA drops below a 2.0 is placed on probation by Texas State and on restricted status by McCoy College. Students on restricted status must increase their Texas State GPA to at least 2.0 in the subsequent semester or their admission to McCoy College will be voided. Students are required to meet with a representative of the McCoy College Academic Advising Center to remove probation holds; otherwise, the hold will prevent registration or schedule changes. A student whose admission is voided may regain admission to McCoy College by going through the application process and competing with other applicants for openings. Students with a Texas State GPA below a 2.0 are also subject to the University academic probation and suspension policies.
2. All students seeking the B.B.A. must complete the following general education core curriculum courses as required by McCoy College. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for other information about the general education core curriculum.
3. To provide a common body of knowledge in business, all students seeking the B.B.A. must complete the following common core of business courses or their equivalents as required by the McCoy College:

Code	Title	Hours
B A 2310	Introduction to Business in a Global Environment	3
ACC 2361	Introduction to Financial Accounting	3
ACC 2362	Introduction to Managerial Accounting	3
CIS 1323	Introduction to Microcomputer Applications	3
ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
BLAW 2361	Legal Environment of Business	3
QMST 2333	Business Statistics	3
MGT 3303	Management of Organizations	3
MKT 3343	Principles of Marketing	3
CIS 3380	Enterprise Information Technology and Business Intelligence	3
FIN 3312	Business Finance	3
MGT 3453	Business Communication and Professional Development [1]	4
MGT 4335	Strategic Management and Business Policy	3

[1] Students in the 2014 and subsequent catalog years cannot receive credit for MGT 3353.

4. A combination of courses in the major program area specified by the appropriate academic department and restricted upper-division business electives to complement the major are also required for the B.B.A.
5. Free electives to achieve a minimum total of 120 semester hours are also required. To ensure compliance with the course requirements for a B.B.A. degree, students should follow the general sequence of courses specified for the curriculum in this section of the catalog.
6. Also, students who did not complete satisfactorily at least two years of the same foreign language in high school must complete two semesters (6-8 hours) of a single foreign language in college.
7. Nine hours of designated "writing intensive" (WI) courses must be completed at Texas State to satisfy degree requirements.
8. For transfer students, 24 semester credit hours in the business core curriculum (or their equivalents) may be transferred from a Texas public institution of higher education for the Business Administration and Management Field of Study and be applied to the B.B.A. major in Management at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. If transferring additional business courses please contact the McCoy College of Business Administration CenturyLink Academic Advising Center for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list. Students who complete MATH 1319 (TCCN: MATH 1324) in the FOS will receive 3 semester credit hours towards free electives.

Code	Title	Hours
CIS 1323	Introduction to Microcomputer Applications	3
TCCN: BCIS 1305		
B A 2310	Introduction to Business in a Global Environment	3
TCCN: BUSI 1301		
ECO 2314	Principles of Microeconomics	3
TCCN: ECON 2302		
ECO 2315	Principles of Macroeconomics	3
TCCN: ECON 2301		
ACC 2361	Introduction to Financial Accounting	3
TCCN: ACCT 2301		
ACC 2362	Introduction to Managerial Accounting	3
TCCN: ACCT 2302		
QMST 2333	Business Statistics	3
TCCN: BUSI 2305		
Elective		3
TCCN: MATH 1324		
Total Hours		24

9. Students must achieve the following minimum grade-point averages for graduation:

- a Texas State GPA of 2.00
- a Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives); and
- a GPA of 2.0 in the minor(s).

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3

POSI 2310 (Government/ Political Science Component Code 070)	3	HIST 1310 (American History Component Code 060)	3
MATH 1329 (Mathematics Component Code 020)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3
COMM 1310 (Component Area Option Code 090/091)	3	CIS 1323[2]	3
US 1100	1		
	16		15

Sophomore			
First Semester	Hours	Second Semester	Hours
ACC 2361	3	ACC 2362	3
ECO 2314 (Social & Behavioral Sciences Component Code 080)	3	ECO 2315	3
B A 2310	3	BLAW 2361	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
QMST 2333	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	15		15

Junior			
First Semester	Hours	Second Semester	Hours
Free Elective	3	Business, Advanced Elective[1]	3
MGT 3303	3	CIS 3380	3
MKT 3343	3	FIN 3312	3
MGT 3453	4	Free Elective	3
MGT 3360	3	MGT 3361	3
	16		15

Senior			
First Semester	Hours	Second Semester	Hours
MGT 4350	3	Select one of the following:	3
ENG Literature (Component Area Option Code 090/094)	3	MGT 3362	
MGT 4330	3	MGT 4351	
MGT 4373	3	MGT 4353	
MGT 4375	3	MGT 4393	
		Business, Advanced Elective[1]	3
		Free Electives	4
		MGT 4335	3
	15		13

Total Hours: 120

[1] The advanced electives in business may be chosen from any 3000-4000 level business courses not required for the major (excluding any ELADV course).

[2] Credit can be earned by successfully passing a test. Students must pay a fee to take the test.

Bachelor of Business Administration (B.B.A.) Major in Management (Human Resource Management Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

Admission to the McCoy College of Business Administration (McCoy College) is competitive, and a student must be admitted to the McCoy College to pursue a B.B.A. degree. Consideration for admission to McCoy College undergraduate programs is based on specific admission criteria and is conducted as a rolling admission process. For current Texas State students, applications are available online at http://advising.mccoy.txstate.edu/apply. For students not yet admitted to the University, applications are available online at www.applytexas.org (http://www.applytexas.org). Students should list a business major as their first major choice.

Priority dates are March 1 for summer/fall semester and October 15 for the spring semester. Applications received after the priority date will be considered for admission on a space-available basis. Students not yet admitted to Texas State must meet Texas State admission deadlines. Students attending Texas State who are currently on academic probation are not eligible for admission to McCoy College.

Freshmen and Students with fewer than 30 Semester Credit Hours

Students with fewer than 30 semester credit hours will be automatically admitted to the McCoy College if they receive assured admission (http://www.admissions.txstate.edu/future/freshman/admissions-requirements.html) to Texas State and select a first-choice major in the McCoy College of Business Administration. Students who are admitted to the University but denied admission to McCoy College will be considered for admission to their second choice major or as an exploratory professional major.

Students with 30 or more Semester Credit Hours

Students who have completed at least 30 semester hours, including ENG 1310, ENG 1320, and MATH 1329, either at Texas State or another college or university and who have a minimum 2.5 overall GPA will be considered for admission based upon a competitive index using the grades from ENG 1310,ENG 1320, MATH 1329, and the overall GPA from all colleges and universities attended. Students will be automatically admitted if they have a cumulative GPA of 3.25 or higher and have completed ENG 1310, ENG 1320 and MATH 1329.

General Requirements

1. For the B.B.A. degree, any McCoy College student whose Texas State GPA drops below a 2.0 is placed on probation by Texas State and on restricted status by McCoy College. Students on restricted status must increase their Texas State GPA to at least 2.0 in the subsequent semester or their admission to McCoy College will be voided. Students are required to meet with a representative of the

McCoy College Academic Advising Center to remove probation holds; otherwise, the hold will prevent registration or schedule changes. A student whose admission is voided may regain admission to McCoy College by going through the application process and competing with other applicants for openings. Students with a Texas State GPA below a 2.0 are also subject to the University academic probation and suspension policies.

2. All students seeking the B.B.A. must complete the following general education core curriculum courses as required by McCoy College. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for other information about the general education core curriculum.
3. To provide a common body of knowledge in business, all students seeking the B.B.A. must complete the following common core of business courses or their equivalents as required by the McCoy College:

Code	Title	Hours
B A 2310	Introduction to Business in a Global Environment	3
ACC 2361	Introduction to Financial Accounting	3
ACC 2362	Introduction to Managerial Accounting	3
CIS 1323	Introduction to Microcomputer Applications	3
ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
BLAW 2361	Legal Environment of Business	3
QMST 2333	Business Statistics	3
MGT 3303	Management of Organizations	3
MKT 3343	Principles of Marketing	3
CIS 3380	Enterprise Information Technology and Business Intelligence	3
FIN 3312	Business Finance	3
MGT 3453	Business Communication and Professional Development [1]	4
MGT 4335	Strategic Management and Business Policy	3

[1] Students in the 2014 and subsequent catalog years cannot receive credit for MGT 3353.

4. A combination of courses in the major program area specified by the appropriate academic department and restricted upper-division business electives to complement the major are also required for the B.B.A.
5. Free electives to achieve a minimum total of 120 semester hours are also required. To ensure compliance with the course requirements for a B.B.A. degree, students should follow the general sequence of courses specified for the curriculum in this section of the catalog.
6. Also, students who did not complete satisfactorily at least two years of the same foreign language in high school must complete two semesters (6-8 hours) of a single foreign language in college.
7. Nine hours of designated "writing intensive" (WI) courses must be completed at Texas State to satisfy degree requirements.
8. For transfer students, 24 semester credit hours in the business core curriculum (or their equivalents) may be transferred from a Texas public institution of higher education for the Business Administration and Management Field of Study and be applied to the B.B.A. major in Management at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. If transferring additional business courses please contact the McCoy College of Business Administration CenturyLink Academic Advising Center for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list. Students who complete MATH 1319 (TCCN: MATH 1324) in the FOS will receive 3 semester credit hours towards free electives.

Code	Title	Hours
CIS 1323	Introduction to Microcomputer Applications	3
TCCN: BCIS 1305		
B A 2310	Introduction to Business in a Global Environment	3
TCCN: BUSI 1301		
ECO 2314	Principles of Microeconomics	3
TCCN: ECON 2302		
ECO 2315	Principles of Macroeconomics	3
TCCN: ECON 2301		
ACC 2361	Introduction to Financial Accounting	3
TCCN: ACCT 2301		
ACC 2362	Introduction to Managerial Accounting	3
TCCN: ACCT 2302		
QMST 2333	Business Statistics	3
TCCN: BUSI 2305		
Elective		3
TCCN: MATH 1324		
Total Hours		24

9. Students must achieve the following minimum grade-point averages for graduation:

- a Texas State GPA of 2.00
- a Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives); and
- a GPA of 2.0 in the minor(s).

Course Requirements

			Freshman	
First Semester	Hours		Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3		ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3		HIST 1310 (American History Component Code 060)	3
MATH 1329 (Mathematics Component Code 020)	3		PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
Life & Physical Sciences Component Code 030	3		Life & Physical Sciences Component Code 030	3
COMM 1310 (Component Area Option Code 090/091)	3		CIS 1323[2]	3
US 1100	1			
	16			15

			Sophomore	
First Semester	**Hours**		**Second Semester**	**Hours**
ACC 2361	3		ACC 2362	3
ECO 2314 (Social & Behavioral Sciences Component Code 080)	3		ECO 2315	3
B A 2310	3		BLAW 2361	3
HIST 1320 (American History Component Code 060)	3		POSI 2320 (Government/ Political Science Component Code 070)	3
QMST 2333	3		ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	15			15
			Junior	
First Semester	**Hours**		**Second Semester**	**Hours**
Free Electives	6		CIS 3380	3
MGT 3303	3		FIN 3312	3
MKT 3343	3		MGT 4373	3
MGT 3453	4		MGT 4375	3
			Business, Advanced Elective[1]	3
	16			15
			Senior	
First Semester	**Hours**		**Second Semester**	**Hours**
MGT 4330	3		Restricted Advanced Business Elective	3
Restricted Advanced Business Electives	6		Advanced Business Elective[1]	3
Business, Advanced Elective[1]	3		Free Electives	4
ENG Literature (Component Area Option Code 090/094)	3		MGT 4335	3
	15			13

Total Hours: 120

1 The advanced electives in business may be chosen from any 3000-4000 level business courses not required for the major (excluding any ELADV course).

2 Credit can be earned by successfully passing a test. Students must pay a fee to take the test.

Restricted Advanced Business Elective

Code	Title	Hours
MGT 4377	Labor Relations and Collective Bargaining	3
MGT 4378	Training and Development	3
MGT 4379	Organizational Staffing	3
MGT 4380	Compensation Management	3
MGT 4390S	Business Contracts/Negotiation	3
MGT 4392	Human Resource Management Internship	3
BLAW 3367	Employment Law	3

Department of Marketing

McCoy Hall Room 424

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www.marketing.mccoy. txstate.edu (http://www.marketing.mccoy.txstate.edu)

The mission of the Department of Marketing is to educate students to succeed in a dynamic business world. To accomplish this mission, faculty will combine effective teaching with basic, applied, and instructional scholarship with professional service. The faculty will strive for quality in all activities to help prepare students for leadership and service in a diverse, global, and competitive environment.

This program prepares students for challenging careers in a variety of business, non-profit, and governmental organizations. Marketing majors typically pursue careers in sales, sales management, advertising, service marketing, brand management, retail management, marketing research, or international marketing. Texas State marketing students graduate with knowledge, skills, and a portfolio of projects that enable them to succeed in a dynamic business environment.

Bachelor of Business Administration (B.B.A.)

- Major in Marketing (p. 187)
- Major in Marketing (Professional Sales Concentration) (p. 189)
- Major in Marketing (Services Marketing Concentration) (p. 191)

Courses in Marketing (MKT)

MKT 3343. Principles of Marketing.
This course studies the strategic marketing process, which creates value for consumers and organizations through integrated production and distribution of products. It examines the marketing process in the context of the global, cultural, economic, legal/regulatory environment. It also examines ethical and socially-responsible marketing and the impact of information technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3350. Consumer Behavior.
A study of the role of the consumer in marketing. Considers the motivation, personality, attitudes, perceptions, lifestyle, and decision-making processes of consumers. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3355. Retailing.
A study of the principles of retail store management, including market and trade area analysis, store location and design, organization and operation management, merchandising, inventory control, and promotion and pricing policies. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3358. Professional Selling.
A study of the professional selling process including strategically planning sales calls, strengthening communication skills, responding helpfully to objections, obtaining commitment and building partnerships. Examines cultivating committed relationships, strategic alliances, and partnering skills to provide total sales quality to the company, suppliers, and customers. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3360. Sales Management.
A study of issues related to planning for, managing, motivating, directing, and controlling a sales force and related sales territories. Both international and domestic perspectives are addressed. Special emphasis is given to the efficiency (cost consideration) and effectiveness (satisfaction consideration) of sales management. Prerequisite: MKT 3358 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3362. Studies in Free Enterprises.
The course will focus on developing goal setting, project identification, project planning and management, marketing, financing, and implementing student directed educational programs within the I-35 corridor. The projects are aimed at increasing citizen awareness and understanding of business and economic issues. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MKT 3365. Services Marketing.
The services sector dominates the U.S. economy and is becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3370. Marketing Research.
This course offers a comprehensive study of marketing research process that includes formulating a problem, developing a research plan, determining a sample, analyzing data, preparing a research report, and linking the consumer, customer, public, and marketer through information. Prerequisite: MKT 3343 and QMST 2333 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3375. Marketing for Social Change.
This class uses marketing principles and techniques to influence a target audience to voluntarily accept, reject, modify, or abandon a behavior for the benefit of individuals, groups, or society as a whole. In this hands-on course students develop and implement marketing campaigns for social change on behalf of non-profit clients. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3380. Sports Marketing.
Examines four components of sports marketing, including: (1) the foundation of sports marketing, (2) marketing through sports, including sponsorship, endorsement, and licensing strategies, (3) the marketing of sports, including marketing mix strategies, and (4) emerging topics in sports marketing, including relationship marketing, technology, and controversial issues. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3385. Ethnic and Niche Marketing.
The course introduces students to marketing approaches used to understand and market products/services to U.S. ethnic and/or subgroups of consumers. The course includes consumer behavior and research techniques as well as implications to the marketing mix. Prerequisite: MKT 3350 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3387. Technology and Marketing.
Study of the marketing process using technologies, e.g., the internet and mobile that support and enhance marketing capabilities, such as the distribution of information. The course examines the impact of technology on the marketing of goods and services to satisfy needs and wants of customers and stakeholders. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3390. Marketing Health Care.
A study of marketing and its role in health care, including buyer and service provider behavior, relevant marketing principles and strategies, and emerging topics, such as medical tourism, universal health care, and health care regulations. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 4310. International Marketing.
A study of the international planning and coordination of marketing functions, marketing policies, and the analysis of marketing on an international scope including environmental and cultural aspects. (MULT). Prerequisite: MKT 3343 with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MKT 4315. Service Design.
Service Design involves the planning and organizing of people, infrastructure, communication, and material components of a service in order to improve its quality and the interaction between service providers and customers. This course aims to provide hands-on experience that will enable students to develop competences in service design. Prerequisite: MKT 3365 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 4325. Advanced Topics in Service Marketing.
This class is a comprehensive study of services marketing theories, concepts, and strategies; it includes an examination of cost controls, research methodologies, branding, customer service innovation, consumer behavior, and service delivery. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 4330. Promotional Strategy.
Analysis of promotional methods used in marketing and their relation to other business functions. Examines advertising, selling, and sales promotion. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 4337. Marketing Management.
An integrative course that applies management concepts and techniques to the solution of marketing problems. Analyzes market segments and product positioning, product and product line price, channels of distribution, and promotion. Prerequisites: QMST 2333; MKT 3343, and six additional hours of marketing courses. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MKT 4392. Sales Internship.
This course integrates professional and academic experience through internship with an external employer. Credit awarded as pass/fail or grade at departmental election. Prerequisites: MKT 3343 and MKT 3358 both with grades of "D" or better and instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 4393. Services Marketing Internship.
This course integrates professional and academic experience through internship with an external employer. Credit awarded as pass/fail or grade at departmental election. Prerequisites: MKT 3343 and MKT 3365 both with grades of "D" or better and instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 4395. Independent Study in Marketing.
Directed research and extensive written assignment on a selected topic related to student's area of interest. Work may consist of literature reviews, integration of literature, or other appropriate independent research. May be repeated once for credit with different emphasis. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

MKT 4396. Directed Study in Professional Sales.
Directed study and research in selected professional sales topics. May be repeated for credit with a different emphasis. Prerequisite: MKT 3343 and MKT 3358 both with grades of "D" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 4397. Directed Study in Marketing.
Directed study and research in selected marketing topics, including the development of a promotional or marketing plan. Course can be offered as individual instruction or as an organized class. Repeatable for credit with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Dual Enrollment Permitted
Grade Mode: Standard Letter

MKT 4399. Marketing Internship.
Integration of professional and academic experience through internship with an external employer. Credit is awarded as pass/fail or grade at departmental election. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

Bachelor of Business Administration (B.B.A.) Major in Marketing

Minimum required: 120 semester credit hours

Admission Requirements

Admission to the McCoy College of Business Administration (McCoy College) is competitive, and a student must be admitted to the McCoy College to pursue a B.B.A. degree. Consideration for admission to McCoy College undergraduate programs is based on specific admission criteria and is conducted as a rolling admission process. For current Texas State students, applications are available online at http://advising.mccoy.txstate.edu/apply. For students not yet admitted to the University, applications are available online at www.applytexas.org (http://www.applytexas.org). Students should list a business major as their first major choice.

Priority dates are March 1 for summer/fall semester and October 15 for the spring semester. Applications received after the priority date will be considered for admission on a space-available basis. Students not yet admitted to Texas State must meet Texas State admission deadlines. Students attending Texas State who are currently on academic probation are not eligible for admission to McCoy College.

Freshmen and Students with fewer than 30 Semester Credit Hours

Students with fewer than 30 semester credit hours will be automatically admitted to the McCoy College if they receive assured admission (http://www.admissions.txstate.edu/future/freshman/admissions-requirements.html) to Texas State and select a first-choice major in the McCoy College of Business Administration. Students who are admitted to the University but denied admission to McCoy College will be considered for admission to their second choice major or as an exploratory professional major.

Students with 30 or more Semester Credit Hours

Students who have completed at least 30 semester credit hours, including ENG 1310, ENG 1320, and MATH 1329, either at Texas State or another college or university and who have a minimum 2.5 overall GPA will be considered for admission based upon a competitive index using the grades from ENG 1310,ENG 1320, MATH 1329, and the

overall GPA from all colleges and universities attended. Students will be automatically admitted if they have a cumulative GPA of 3.25 or higher and have completed ENG 1310, ENG 1320 and MATH 1329.

General Requirements

1. For the B.B.A. degree, any McCoy College student whose Texas State GPA drops below a 2.0 is placed on probation by Texas State and on restricted status by McCoy College. Students on restricted status must increase their Texas State GPA to at least 2.0 in the subsequent semester or their admission to McCoy College will be voided. Students are required to meet with a representative of the McCoy College Academic Advising Center to remove probation holds; otherwise, the hold will prevent registration or schedule changes. A student whose admission is voided may regain admission to McCoy College by going through the application process and competing with other applicants for openings. Students with a Texas State GPA below a 2.0 are also subject to the University academic probation and suspension policies.
2. All students seeking the B.B.A. must complete the following general education core curriculum courses as required by McCoy College. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for other information about the general education core curriculum.
3. To provide a common body of knowledge in business, all students seeking the B.B.A. must complete the following common core of business courses or their equivalents as required by the McCoy College:

Code	Title	Hours
B A 2310	Introduction to Business in a Global Environment	3
ACC 2361	Introduction to Financial Accounting	3
ACC 2362	Introduction to Managerial Accounting	3
CIS 1323	Introduction to Microcomputer Applications	3
ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
BLAW 2361	Legal Environment of Business	3
QMST 2333	Business Statistics	3
MGT 3303	Management of Organizations	3
MKT 3343	Principles of Marketing	3
CIS 3380	Enterprise Information Technology and Business Intelligence	3
FIN 3312	Business Finance	3
MGT 3453	Business Communication and Professional Development [1]	4
MGT 4335	Strategic Management and Business Policy	3

[1] Students in the 2014 and subsequent catalog years cannot receive credit for MGT 3353.

4. A combination of courses in the major program area specified by the appropriate academic department and restricted upper-division business electives to complement the major are also required for the B.B.A.
5. Free electives to achieve a minimum total of 120 semester hours are also required. To ensure compliance with the course requirements for a B.B.A. degree, students should follow the general sequence of courses specified for the curriculum in this section of the catalog.
6. Also, students who did not complete satisfactorily at least two years of the same foreign language in high school must complete two semesters (6-8 hours) of a single foreign language in college.
7. Nine hours of designated "writing intensive" (WI) courses must be completed at Texas State to satisfy degree requirements.
8. For transfer students, 24 semester credit hours in the business core curriculum (or their equivalents) may be transferred from a Texas public institution of higher education for the Business Administration and Management Field of Study and be applied to the B.B.A. major in Marketing at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. If transferring additional business courses please contact the McCoy College of Business Administration CenturyLink Academic Advising Center for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list. Students who complete MATH 1319 (TCCN:MATH 1324) in the FOS will receive 3 semester credit hours towards free electives.

Code	Title	Hours
CIS 1323	Introduction to Microcomputer Applications	3
TCCN: BCIS 1305		
B A 2310	Introduction to Business in a Global Environment	3
TCCN: BUSI 1301		
ECO 2314	Principles of Microeconomics	3
TCCN: ECON 2302		
ECO 2315	Principles of Macroeconomics	3
TCCN: ECON 2301		
ACC 2361	Introduction to Financial Accounting	3
TCCN: ACCT 2301		
ACC 2362	Introduction to Managerial Accounting	3
TCCN: ACCT 2302		
QMST 2333	Business Statistics	3
TCCN: BUSI 2305		
Elective		3
TCCN: MATH 1324		
Total Hours		24

9. Students must achieve the following minimum grade-point averages for graduation:

- a Texas State GPA of 2.00
- a Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives); and
- a GPA of 2.0 in the minor(s).

Course Requirements

Freshman					
First Semester	Hours		Second Semester	Hours	
ENG 1310 (Communication Component Code 010)	3		ENG 1320 (Communication Component Code 010)	3	

POSI 2310 (Government/ Political Science Component Code 070)	3	HIST 1310 (American History Component Code 060)	3
MATH 1329 (Mathematics Component Code 020)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3
COMM 1310 (Component Area Option Code 090/091)	3	CIS 1323[2]	3
US 1100	1		
	16		15

Sophomore

First Semester	Hours	Second Semester	Hours
ACC 2361	3	ACC 2362	3
ECO 2314 (Social & Behavioral Sciences Component Code 080)	3	ECO 2315	3
B A 2310	3	BLAW 2361	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
QMST 2333	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
CIS 3380	3	Free Elective	3
Free Elective	3	FIN 3312	3
MGT 3303	3	MGT 3453	4
MKT 3343	3	MKT 3350	3
ENG Literature (Component Area Option Code 090/094)	3	MKT 3370	3
	15		16

Senior

First Semester	Hours	Second Semester	Hours
Business, Advanced Elective[1]	3	Business, Advanced Elective[1]	3
MKT Advanced Electives	6	Free Elective	1
MKT 3358	3	MGT 4335	3
MKT 4330	3	MKT 4310	3
		MKT 4337	3
	15		13

Total Hours: 120

1. The advanced electives in business may be chosen from any 3000-4000 level business courses not required for the major (excluding any ELADV course).
2. Credit can be earned by successfully passing a test. Students must pay a fee to take the test.

MKT Advanced Electives

Code	Title	Hours
MKT 3355	Retailing	3
MKT 3360	Sales Management	3
MKT 3362	Studies in Free Enterprises	3
MKT 3365	Services Marketing	3
MKT 3375	Marketing for Social Change	3
MKT 3380	Sports Marketing	3
MKT 3385	Ethnic and Niche Marketing	3
MKT 3387	Technology and Marketing	3
MKT 3390	Marketing Health Care	3
MKT 4325	Advanced Topics in Service Marketing	3
MKT 4395	Independent Study in Marketing	3
MKT 4396	Directed Study in Professional Sales	3
MKT 4397	Directed Study in Marketing	3
MKT 4399	Marketing Internship	3

Bachelor of Business Administration (B.B.A.) Major in Marketing (Professional Sales Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

Admission to the McCoy College of Business Administration (McCoy College) is competitive, and a student must be admitted to the McCoy College to pursue a B.B.A. degree. Consideration for admission to McCoy College undergraduate programs is based on specific admission criteria and is conducted as a rolling admission process. For current Texas State students, applications are available online at http://advising.mccoy.txstate.edu/apply. For students not yet admitted to the University, applications are available online at www.applytexas.org (http://www.applytexas.org). Students should list a business major as their first major choice.

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Students with 30 or more Semester Credit Hours

Students who have completed at least 30 semester credit hours, including ENG 1310, ENG 1320, and MATH 1329, either at Texas State or another college or university and who have a minimum 2.5 overall GPA will be considered for admission based upon a competitive index using the grades from ENG 1310,ENG 1320, MATH 1329, and the overall GPA from all colleges and universities attended. Students will be automatically admitted if they have a cumulative GPA of 3.25 or higher and have completed ENG 1310, ENG 1320 and MATH 1329.

General Requirements

1. For the B.B.A. degree, any McCoy College student whose Texas State GPA drops below a 2.0 is placed on probation by Texas State and on restricted status by McCoy College. Students on restricted status must increase their Texas State GPA to at least 2.0 in the subsequent semester or their admission to McCoy College will be voided. Students are required to meet with a representative of the McCoy College Academic Advising Center to remove probation holds; otherwise, the hold will prevent registration or schedule changes. A student whose admission is voided may regain admission to McCoy College by going through the application process and competing with other applicants for openings. Students with a Texas State GPA below a 2.0 are also subject to the University academic probation and suspension policies.
2. All students seeking the B.B.A. must complete the following general education core curriculum courses as required by McCoy College. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for other information about the general education core curriculum.
3. To provide a common body of knowledge in business, all students seeking the B.B.A. must complete the following common core of business courses or their equivalents as required by the McCoy College:

Code	Title	Hours
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ACC 2361	Introduction to Financial Accounting	3
ACC 2362	Introduction to Managerial Accounting	3
CIS 1323	Introduction to Microcomputer Applications	3
ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
BLAW 2361	Legal Environment of Business	3
QMST 2333	Business Statistics	3
MGT 3303	Management of Organizations	3
MKT 3343	Principles of Marketing	3
CIS 3380	Enterprise Information Technology and Business Intelligence	3
FIN 3312	Business Finance	3
MGT 3453	Business Communication and Professional Development [1]	4
MGT 4335	Strategic Management and Business Policy	3

[1] Students in the 2014 and subsequent catalog years cannot receive credit for MGT 3353.

4. A combination of courses in the major program area specified by the appropriate academic department and restricted upper-division business electives to complement the major are also required for the B.B.A.
5. Free electives to achieve a minimum total of 120 semester hours are also required. To ensure compliance with the course requirements for a B.B.A. degree, students should follow the general sequence of courses specified for the curriculum in this section of the catalog.
6. Also, students who did not complete satisfactorily at least two years of the same foreign language in high school must complete two semesters (6-8 hours) of a single foreign language in college.
7. Nine hours of designated "writing intensive" (WI) courses must be completed at Texas State to satisfy degree requirements.
8. For transfer students, 24 semester credit hours in the business core curriculum (or their equivalents) may be transferred from a Texas public institution of higher education for the Business Administration and Management Field of Study and be applied to the B.B.A. major in Marketing at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. If transferring additional business courses please contact the McCoy College of Business Administration CenturyLink Academic Advising Center for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list. Students who complete MATH 1319 (TCCN:MATH 1324) in the FOS will receive 3 semester credit hours towards free electives.

Code	Title	Hours
CIS 1323	Introduction to Microcomputer Applications	3
TCCN: BCIS 1305		
B A 2310	Introduction to Business in a Global Environment	3
TCCN: BUSI 1301		
ECO 2314	Principles of Microeconomics	3
TCCN: ECON 2302		
ECO 2315	Principles of Macroeconomics	3
TCCN: ECON 2301		
ACC 2361	Introduction to Financial Accounting	3
TCCN: ACCT 2301		
ACC 2362	Introduction to Managerial Accounting	3
TCCN: ACCT 2302		
QMST 2333	Business Statistics	3
TCCN: BUSI 2305		
Elective		3
TCCN: MATH 1324		
Total Hours		24

9. Students must achieve the following minimum grade-point averages for graduation:

- a Texas State GPA of 2.00
- a Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives); and
- a GPA of 2.0 in the minor(s).

Course Requirements

			Freshman
First Semester	**Hours**	**Second Semester**	**Hours**
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	HIST 1310 (American History Component Code 060)	3
MATH 1329 (Mathematics Component Code 020)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3
COMM 1310 (Component Area Option Code 090/091)	3	CIS 1323[2]	3
US 1100	1		
	16		15
			Sophomore
First Semester	**Hours**	**Second Semester**	**Hours**
ACC 2361	3	ACC 2362	3
ECO 2314 (Social & Behavioral Sciences Component Code 080)	3	ECO 2315	3
B A 2310	3	BLAW 2361	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
QMST 2333	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	15		15
			Junior
First Semester	**Hours**	**Second Semester**	**Hours**
CIS 3380	3	MKT 3358	3
Free Electives	6	FIN 3312	3
MGT 3303	3	MGT 3453	4
MKT 3343	3	MKT 3350	3
		MKT 3370	3
	15		16
			Senior
First Semester	**Hours**	**Second Semester**	**Hours**
Business, Advanced Elective[1]	3	MKT 4392	3
MKT 4310	3	Free Elective	1
MKT 3360	3	MGT 4335	3
MKT 4330	3	MKT 4396	3
ENG Literature (Component Area Option Code 090/094)	3	MKT 4337	3
	15		13

Total Hours: 120

[1] The advanced electives in business may be chosen from any 3000-4000 level business courses not required for the major (excluding any ELADV course).

[2] Credit can be earned by successfully passing a test. Students must pay a fee to take the test.

Bachelor of Business Administration (B.B.A.) Major in Marketing (Services Marketing Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

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Students with 30 or more Semester Credit Hours

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General Requirements

1. For the B.B.A. degree, any McCoy College student whose Texas State GPA drops below a 2.0 is placed on probation by Texas State and on restricted status by McCoy College. Students on restricted status must increase their Texas State GPA to at least 2.0 in the subsequent semester or their admission to McCoy College will be voided. Students are required to meet with a representative of the McCoy College Academic Advising Center to remove probation holds; otherwise, the hold will prevent registration or schedule changes. A

student whose admission is voided may regain admission to McCoy College by going through the application process and competing with other applicants for openings. Students with a Texas State GPA below a 2.0 are also subject to the University academic probation and suspension policies.

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CIS 1323	Introduction to Microcomputer Applications	3
ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
BLAW 2361	Legal Environment of Business	3
QMST 2333	Business Statistics	3
MGT 3303	Management of Organizations	3
MKT 3343	Principles of Marketing	3
CIS 3380	Enterprise Information Technology and Business Intelligence	3
FIN 3312	Business Finance	3
MGT 3453	Business Communication and Professional Development [1]	4
MGT 4335	Strategic Management and Business Policy	3

[1] Students in the 2014 and subsequent catalog years cannot receive credit for MGT 3353.

4. A combination of courses in the major program area specified by the appropriate academic department and restricted upper-division business electives to complement the major are also required for the B.B.A.
5. Free electives to achieve a minimum total of 120 semester hours are also required. To ensure compliance with the course requirements for a B.B.A. degree, students should follow the general sequence of courses specified for the curriculum in this section of the catalog.
6. Also, students who did not complete satisfactorily at least two years of the same foreign language in high school must complete two semesters (6-8 hours) of a single foreign language in college.
7. Nine hours of designated "writing intensive" (WI) courses must be completed at Texas State to satisfy degree requirements.
8. For transfer students, 24 semester credit hours in the business core curriculum (or their equivalents) may be transferred from a Texas public institution of higher education for the Business Administration and Management Field of Study and be applied to the B.B.A. major in Marketing at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. If transferring additional business courses please contact the McCoy College of Business Administration CenturyLink Academic Advising Center for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list. Students who complete MATH 1319 (TCCN: MATH 1324) in the FOS will receive 3 semester credit hours towards free electives.

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TCCN: BCIS 1305		
B A 2310	Introduction to Business in a Global Environment	3
TCCN: BUSI 1301		
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TCCN: ECON 2302		
ECO 2315	Principles of Macroeconomics	3
TCCN: ECON 2301		
ACC 2361	Introduction to Financial Accounting	3
TCCN: ACCT 2301		
ACC 2362	Introduction to Managerial Accounting	3
TCCN: ACCT 2302		
QMST 2333	Business Statistics	3
TCCN: BUSI 2305		
Elective		3
TCCN: MATH 1324		
Total Hours		24

9. Students must achieve the following minimum grade-point averages for graduation:

- a Texas State GPA of 2.00
- a Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives); and
- a GPA of 2.0 in the minor(s).

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	HIST 1310 (American History Component Code 060)	3
MATH 1329 (Mathematics Component Code 020)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3
COMM 1310 (Component Area Option Code 090/091)	3	CIS 1323[2]	3
US 1100	1		
	16		15

Sophomore

First Semester	Hours	Second Semester	Hours
ACC 2361	3	ACC 2362	3

ECO 2314 (Social & Behavioral Sciences Component Code 080)	3	ECO 2315	3
B A 2310	3	BLAW 2361	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
QMST 2333	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
CIS 3380	3	MKT 3358	3
Free Electives	6	FIN 3312	3
MGT 3303	3	MGT 3453	4
MKT 3343	3	MKT 3350	3
		MKT 3365	3
	15		16

Senior

First Semester	Hours	Second Semester	Hours
Restricted Advanced Business Elective[1]	3	MKT 4393	3
MKT 4310	3	Free Elective	1
MKT 3370	3	MGT 4335	3
MKT 4330	3	MKT 4315	3
ENG Literature (Component Area Option Code 090/094)	3	MKT 4337	3
	15		13

Total Hours: 120

1 The restricted advanced business elective may be chosen from MKT 3355, MKT 3375, MKT 3380, MKT 3385, MKT 3390 or MKT 4325.

2 Credit can be earned by successfully passing a test. Students must pay a fee to take the test.

College of Education

Dean
Michael P. O'Malley, Ed.D.
Education Building Room 2001
Telephone: 512-245-2150 Fax: 512-245-3158
http://www.education.txstate.edu/

Associate Dean for Research and Sponsored Programs
Jon Lasser, Ph.D.
Associate Dean for Teacher Education and Academic Affairs
Patrice H. Werner, Ph.D.
Assistant Dean for Academic Affairs
Rubén Garza, Ph.D.
Assistant Dean for Educational Partnerships and Enrollment
Joellen Coryell, Ph.D.

Department Chairs
Counseling, Leadership, Adult Education, and School Psychology–Kevin A. Fall, Ph.D.
Curriculum and Instruction–Jodi Patrick Holschuh, Ph.D.
Health and Human Performance–Karen S. Meaney, Ed.D.

The College of Education includes three academic departments: Counseling, Leadership, Adult Education, and School Psychology; Curriculum and Instruction; and Health and Human Performance.

Texas State University's legacy as a normal school founded in 1899 with a mission dedicated to preparing new teachers remains with us today in the College of Education's commitment to the highest quality educator and professional preparation across many fields. Our flagship teacher education program prepares aspiring PK-12 teachers through a Bachelor of Science degree with a major in Interdisciplinary Studies (for elementary school teachers), a minor in Secondary Education, and a minor in Special Education. Our health and human performance programs offer the Bachelor of Exercise and Sports Science, the Bachelor of Science in Public Health and the Bachelor of Science in Recreation Administration degrees as well as several minors and a second teacher certification in health.

Academic Advising Center

Education Building Room 2143
Telephone: 512-245-3050 Fax: 512-245-8225
www.education.txstate.edu/advising (http://www.education.txstate.edu/advising)

The College of Education Undergraduate Advising Center is a student-centered, collaborative resource for undergraduate students seeking an undergraduate degree through the College of Education. As an integral part of teaching and learning at Texas State, academic advisors in the Undergraduate Advising Center cultivate student success by engaging students in educational planning to promote academic, personal, and professional development while considering diverse interests, abilities, and goals. Services available for students include, but are not limited to:

- assistance with selection of educational programs;
- interpretation of policies and procedures;
- information on course sequencing and degree requirements;
- referral to other university resources; and
- verification of graduation requirements.

Ultimately, the academic advisors in the College of Education Advising Center strive to develop a guidance and support system to encourage student self-reliance, responsibility, and success in achieving academic goals.

Teacher Certification

Students seeking certification to teach EC-6 (Early Childhood through Grade Six), 4-8 (Grade Four through Grade Eight), or All-level Special Education (Early Childhood through Grade Twelve) will major in Interdisciplinary Studies in the Department of Curriculum and Instruction within the College of Education. Students may acquire an All-level certificate to teach Physical Education or Health in the Department of Health and Human Performance within the College of Education. Students seeking 6, 7, or 8-12 (Grade Six, Seven, or Eight through Grade Twelve) certification or All-level certification in other disciplines will instead complete an academic major within their chosen teaching field in the department and college where that major is housed. Students should note that teacher certification requirements may differ from degree requirements and that completion of both is necessary for awarding a degree and recommending a student for teacher certification. In order to pursue teacher certification, students must apply and be admitted

into the Educator Preparation Program through the Office of Educator Preparation (p. 236).

Courses in Education Student Teaching (EDST)

EDST 4380. Student Teaching All-Level I.
Students will apply knowledge and skills learned during the teacher preparation program while engaging in clinical practice with experienced EC-6/4-8 mentor teachers in school settings with university instruction and supervision. This culminating experience is required for Texas teacher certification and is a half-semester course designed for students seeking All-Level certification. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA; additional coursework may not be taken concurrently except for the co-requisite; for undergraduate students, all other degree-required coursework must be completed; for graduate and post-baccalaureate students, all other certification coursework must be completed; requires departmental approval through Office of Educator Preparation application process. Corequisites: EDST 4381 with a grade of "D" or better.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDST 4381. Student Teaching All-Level II.
Students will apply knowledge and skills learned during the teacher preparation program while engaging in clinical practice with experienced 7-12 mentor teachers in school settings with university instruction and supervision. This culminating experience is required for Texas teacher certification and is a half-semester course designed for students seeking All-Level certification. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA; additional coursework may not be taken concurrently except for the co-requisite; for undergraduate students, all other degree-required coursework must be completed; for graduate and post-baccalaureate students, all other certification coursework must be completed; requires departmental approval through Office of Educator Preparation application process. Corequisites: EDST 4380 with a grade of "D" or better.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDST 4680. Student Teaching 4-8.
Students will apply knowledge and skills learned during the teacher preparation program while engaging in clinical practice with experienced 4-8 mentor teachers in school settings with university instruction and supervision. This culminating experience is required for Texas teacher certification. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA; additional coursework may not be taken concurrently; for undergraduate students, all other degree-required coursework must be completed; for graduate and post-baccalaureate students, all other certification coursework must be completed; requires departmental approval through Office of Educator Preparation application process.
6 Credit Hours. 1 Lecture Contact Hour. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDST 4681. Student Teaching 7-12.
Students will apply knowledge and skills learned during the teacher preparation program while engaging in clinical practice with experienced 7-12 mentor teachers in school settings with university instruction and supervision. This culminating experience is required for Texas teacher certification. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA; additional coursework may not be taken concurrently; for undergraduate students, all other degree-required coursework must be completed; for graduate and post-baccalaureate students, all other certification coursework must be completed; requires departmental approval through Office of Educator Preparation application process.
6 Credit Hours. 1 Lecture Contact Hour. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDST 4687. Student Teaching EC-6.
Students will apply knowledge and skills learned during the teacher preparation program while engaging in clinical practice with experienced EC-6 mentor teachers in school settings with university instruction and supervision. This culminating experience is required for Texas teacher certification. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA; additional coursework may not be taken concurrently; for undergraduate students, all other degree-required coursework must be completed; for graduate and post-baccalaureate students, all other certification coursework must be completed; requires departmental approval through Office of Educator Preparation application process.
6 Credit Hours. 1 Lecture Contact Hour. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Department of Counseling, Leadership, Adult Education, and School Psychology

Education Building Room 4037
T: 512.245.2575 F: 512.245.8872
www.txstate.edu/clas (http://www.txstate.edu/clas)

The Department of Counseling, Leadership, Adult Education, and School Psychology (C.L.A.S.) is primarily a graduate department, offering graduate degree programs in Adult, Professional and Community Education; Educational Leadership; Professional Counseling; School Improvement; School Psychology; and Student Affairs in Higher Education. While the department offers no undergraduate degrees, it does provide support courses for other programs.

Subjects in this department include: COUN (p. 195), SAHE (p. 195)

Courses in Counseling (COUN)

COUN 3320. Introduction to Counseling and Psychotherapy.
The course is designed for upper-division undergraduates considering a helping profession or who wish to know more about counseling before entering into graduate study. The course offers introduction to counseling, counseling theories, and interpersonal communication skills that facilitate counseling relationships. Repeatable for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Courses in Student Affairs in Higher Education (SAHE)

SAHE 4178. Student Leadership in Higher Education.
This course provides students with knowledge to strengthen the campus experience through holding student leadership roles. Students will learn skills, principles, and characteristics necessary for responsible and positive leadership as well as the role of student leadership and student engagement in higher education. Repeatable for credit with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Department of Curriculum and Instruction

Education Building Room 3044
Telephone: 512-245-2157 Fax: 512-245-7911
www.txstate.edu/ci (http://www.txstate.edu/ci)

The Department of Curriculum and Instruction at Texas State University offers undergraduate degrees that focus on the preparation and development of teachers and teacher leaders. All undergraduate programs in the department lead to initial teaching certification and have robust field experiences in local schools prior to clinical practice (student teaching).

Levels of Certification

Students who wish to teach Early Childhood (EC) through Grade 6 (elementary with specializations in either English as a Second Language or Bilingual Education), Grades 4-8 (middle school), or All-Level Special Education pursue the Bachelor of Science major in Interdisciplinary Studies.

Students seeking 6-12, 7-12, or 8-12 (Grade Six, Seven, or Eight through Grade Twelve) certification or All-level certification in other disciplines will complete an academic major within their chosen teaching field in the department and college where that major is housed and should consult with advisors in that college.

For a list of teacher certifications available at Texas State, see https://www.education.txstate.edu/oep/current/initial-certification/certification-exams/list.html.

Interdisciplinary Studies Majors

Students seeking this major should consult with advisors in the College of Education Undergraduate Advising Center (https://www.education.txstate.edu/advising) for detailed information regarding specific degree requirements, the semester-by-semester sequence, and other requirements such as block applications. Because courses must be taken in a predetermined sequence, it is likely that students will be required to attend summer sessions in order to complete the program within a 4-year time period.

Admittance to the Educator Preparation Program

All degrees that lead to teaching certification require formal admittance into the Educator Preparation Program by the Office of Educator Preparation Program. This acceptance includes payment to the university of a state mandated Texas Educational Agency technology fee.

Please see http://www.education.txstate.edu/oep/ for current admittance requirements and procedures. Note that the Texas Educational Agency (TEA) requires multiple background checks for progression through Educator Preparation Programs.
If you are concerned about your criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA.
For more information, click here (https://tea.texas.gov/Texas_Educators/Preparation_and_Continuing_Education/Preparation_and_Continuing_Education).

Admission Requirements

All degree programs within the Department of Curriculum and Instruction require formal admittance into the Educator Preparation Program.

Students must apply and be admitted to the Educator Preparation Program in order to enroll in Block coursework and Student Teaching in the Junior and Senior year. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236).

Bachelor of Science (B.S.)

- Major in Interdisciplinary Studies (Teacher Certification in Bilingual Generalist-Spanish, Early Childhood Through Grade 6) (p. 201)
- Major in Interdisciplinary Studies (Teacher Certification in English as a Second Language Generalist, Early Childhood Through Grade 6) (p. 203)
- Major in Interdisciplinary Studies (Teacher Certification in English, Language Arts, Reading and Social Studies, Grades 4-8) (p. 204)
- Major in Interdisciplinary Studies (Teacher Certification in Generalist, Grades 4-8) (p. 205)
- Major in Interdisciplinary Studies (Teacher Certification in Mathematics, Grades 4-8) (p. 206)
- Major in Interdisciplinary Studies (Teacher Certification in Mathematics and Science, Grades 4-8) (p. 207)
- Major in Interdisciplinary Studies (Teacher Certification in Science, Grades 4-8) (p. 209)
- Major in Interdisciplinary Studies (Teacher Certification in Special Education, Early Childhood Through Grade 12) (p. 210)

Minors

- Secondary Education
- Special Education

Subjects in this department include: BILG (p. 196), CI (p. 196), ECE (p. 199), EDP (p. 199), RDG (p. 199), SPED (p. 200)

Courses in Bilingual Education (BILG)

BILG 4350. Mathematics in the Bilingual Education Classroom.
The course provides an in-depth study of the mathematics content and methodology derived from research-based principles. To develop the mathematical understanding of emergent bilinguals through a field-based approach, the course emphasizes using cognition and bilingualism as learning resources to sustain mathematical knowledge using equity based-instruction and assessment. Prerequisite: 2.75 Overall GPA required. Junior classification required. Must be declared as seeking EC-6 Bilingual Generalist teacher certification. MATH 1315 (or one of the following: MATH 1319 or MATH 2417 or MATH 2471 or MATH 2472); MATH 2311 and MATH 2312 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BILG 4365. Biliteracy Development for Emergent Bilingual Learners.
This course targets the dynamic, reciprocal process of literacy development in Spanish and English for emergent bilinguals. Theories, instructional methods and strategies, texts, and materials will be examined through an integrated approach that considers sociocultural, cognitive, linguistic, and political factors. The course will be taught in both Spanish and English. Prerequisites: Junior classification or higher; Admission to the Teacher Preparation Program; 2.75 Overall GPA; Education Core; grades of "C" or higher must be earned in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BILG 5365. Biliteracy Development in the Bilingual Education Classroom.
This course is taught in Spanish and English, targeting the reciprocal process of literacy development in Spanish and English as a second language. Theories, methods, and approaches address learning and teaching processes that support biliteracy development of emergent bilingual within contexts framed by sociocultural, cognitive, linguistic, and affective factors. Prerequisite: CI 5337; CI 5387 SPAN 3308; SPAN 3371; upper levels of SPAN; or advanced studies in SPAN with a grade of B or better; or, Bilingual Education certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BILG 5367. Policy and Practice in Dual Language Immersion Education.
This course focuses on current research in bilingual education and language in education policy and practice that shapes program models, curricula, and instruction in two-way and one-way dual language education. The course will be taught in Spanish and English and requires student work in each language. Prerequisites: CI 5387, CI 5337; SPAN 3308; SPAN 3371; or upper level SPAN courses; or advanced studies in SPAN having earned a grade of B or higher; or Bilingual Education certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BILG 5374. Bilingual/ESL Academic Content Instruction.
The focus of this course is the integration of native language instruction (Spanish) and English as a second language (ESL) to teach the academic content areas (mathematics, science, social studies, and language arts) for English Language Learners (ELLs) with an emphasis on the cognitive and sociocultural considerations. Prerequisite: SPAN 3308 or SPAN 3371 with a grade of "B" or better; or upper level SPAN course(s); or advanced studies in SPAN with a grade of "B" or better; or Bilingual Education certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BILG 5388. The Politics of Language.
Using a critical linguistic perspective, this course examines the sociopolitical aspects of language in local, national, and global contexts. Students learn about language ideologies and gain a profound understanding for how languages and language practices are intricately tied to the racial and economic power relations embedded in schools and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Courses in Curriculum and Instruction (CI)

CI 3300. Middle School Curriculum and Instruction.
Overview of developmentally appropriate curriculum adhering to state and national standards for grades 4-8. Includes the application of learning theory in a safe classroom environment with a focus on cooperative learning, direct instruction, discovery learning, technology, and learner-centered instruction. (WI) Prerequisites: Admittance to the Educator Preparation Program and minimum 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CI 3310. Public Education in a Multicultural Society.
Course utilizes historical, sociocultural, and political lenses to provide an overview of public schooling as a complex system within a multicultural society. Key concepts include: educational philosophy, legal and policy issues, curriculum and instruction, equity, school-community connections, and teachers as change agents. Must be declared in a degree program that leads to teacher certification. Prerequisite: Minimum 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 3315. Human Development: Learning and Being in Social Contexts.
Drawing from psychological, sociological, anthropological, and historical traditions, this course explores human development, learning theories, identity issues, and multicultural education, especially as these pertain to second-language learners. Implications for classrooms and teaching are included. Must be declared in a degree program that leads to teacher certification. (WI) Prerequisite: Minimum 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CI 3322. The Design and Application of the EC-6 Curriculum.
Course focuses on design and application of curricula including content, instructional methodologies and assessment. Foundational theories of human development and learning will be used as students focus on the organization of content, instructional strategies, classroom environment, utilization of materials, and assessment. Prerequisites: Admittance to the Educator Preparation Program; CI 3310, CI 3315; RDG 4320; 2.75 Overall GPA. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

CI 3325. Adolescent Growth and Development.
Study of biological, cognitive, and psychological theories and processes of adolescence. Prepares prospective teachers to understand abilities, behaviors, and needs of learners. Roles of family, peer groups, and culture examined with the aid of contemporary adolescent literature. Prerequisite: 2.75 overall GPA. Junior classification required. Must be declared in a degree program that leads to teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 3332. Foundations of Bilingual and ESL Education.
This course examines the rationale, history, and philosophy of bilingual and ESL education and develops students' understanding of the cultural and psychological influences that mediate the learning process. Prerequisites: Admittance to the Educator Preparation Program; CI 3315, CI 3310, ECE 4300; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CI 3338. Social Studies in the Elementary and Middle School.
The course provides learner-centered approaches to social studies knowledge, instruction, equity, communication, and professional development and prepares educators with strong foundations for powerful social studies teaching and learning practices including: (a) deep understanding/appreciation, (b) increased awareness of non-traditional approaches, (c) practical methods and applications, and (d) daily integration into teaching. Prerequisites: Junior Classification; 2.75 overall GPA. Restriction: Students majoring in Interdisciplinary Studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4300. Middle Level Philosophy and Schooling.
Physical, social, emotional, cognitive, and moral characteristics of young adolescents in contexts of family, community, school, society. History and philosophy of middle school as a developmentally appropriate environment for young adolescents. Continued study of instruction that is affectively and cognitively appropriate for young adolescents. Prerequisites: Admittance to the Educator Preparation Program; RDG 4310; RDG 3315; 2.75 Overall GPA. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CI 4325. Classroom Management and Teacher-Student Relationships.
Course will focus on classroom management theories and models. Personal philosophy, beliefs, and style of teaching will be examined as they relate to the various methods of classroom management, student discipline, and teacher-student relationships. Prerequisites: Admittance to the Educator Preparation Program; CI 3310, CI 3315, CI 3332, CI 4360; RDG 4320; ECE 4300, ECE 4310, ECE 4352; Co-requisites: RDG 3315, RDG 3321; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4332. Secondary Teaching: Curriculum and Technology.
This course investigates secondary curriculum, its history, organization, development, and representation in instructional materials. Students learn how curriculum is decided, impacted, and assessed, and the role of technology in curriculum. Topics include local, state, and national standards, trends, and roles of culture and technology in teaching and learning. Prerequisite: 2.75 overall GPA. Junior classification required. Must be declared in a degree program that leads to teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4338. Social Studies Curriculum & Pedagogy for the Middle School.
This course examines how the teaching of social studies is informed by theory and research. In this course students will analyze the foundations of social studies as a discipline, social studies curricular issues, social studies pedagogy, controversial issues pedagogy, and the construction of conceptual, inquiry-based units. Prerequisites: 2.75 Overall GPA; Junior classification; must be declared as seeking 4-8 grade teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CI 4343. Instructional Strategies for the Secondary Teacher.
This course focuses on the study of models for instruction, with attention to assessment and classroom management. Students develop and practice strategies for building classroom communities, teaching all learners, and integrating technology into instruction. The focus is on meeting the needs of individual learners while maintaining academic rigor. Prerequisites: Admittance to the Educator Preparation Program; CI 3325 and CI 4332; 2.75 Overall GPA; Corequisites: CI 4370 and RDG 3323.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4350. Mathematics in the Integrated Elementary Curriculum.
Course provides an in-depth study of the mathematics content and methodology derived from principles of learning and research. Primary focus will be on the development of mathematics understanding and relevant applications rather than manipulation of numbers without context, purpose, or concepts. Students will develop the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and develop techniques for evaluating pupil progress within a field-based environment. Prerequisites: MATH MATH 1315, MATH 1319, MATH 2417, MATH 2471, or MATH 2472; MATH 2311 and MATH 2312. Grades of "C" or better must be earned in all prerequisites. 2.75 overall GPA required. Junior classification required. Must be declared in a degree program that leads to teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4351. Middle School Mathematics Methods Course.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions). Prerequisites: 2.75 Overall GPA; Junior classification required; must be declared as seeking 4-8 grade teacher certification; MATH 1315 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471 with grades of "C" or better must be earned in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4355. Science in Elementary Education.
Course provides an overview of science standards and content, research-based science pedagogy, and the scientific process skills required for a developmentally appropriate, inquiry-driven science curriculum that facilitates the development of scientific literacy for all students, including second language learners. Prerequisites: PHYS 1310 or PHYS 1315 or PHYS 1410; and PHYS 1320 or PHYS 1325 or PHYS 1420; and PHYS 1110 or PHYS 1115 or PHYS 1125; and BIO 1320 or BIO 1430 or BIO 1330 or BIO 1431 or BIO 1331 or BIO 1421. Grades of "C" or better must be earned in all prerequisites. 2.75 overall GPA required. Junior classification required. Must be declared in a degree program that leads to teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4360. Methods and Materials for Teaching ESL in the Content.
This course addresses content, methods, and materials of elementary ESL classroom instruction, including curricula, strategies, and materials for meeting the needs of English language learners in all academic content areas. Prerequisites: Admittance to the Educator Preparation Program; ECE 4300 (for ESL Generalists); CI 3332, CI 4361 (for Bilingual Generalists); 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

CI 4361. Psychological Foundations of Bilingual Education.
This course explores how bilingual learners navigate and manage the learning process within existing educational systems. The course examines how instructional practices that attend to the cultural, linguistic, and cognitive development of the bilingual learner impact academic achievement. Prerequisites: Admittance to the Teacher Preparation Program; Junior classification; 2.75 Overall GPA; must be declared as seeking EC-6 Bilingual Generalist certification: SPAN 3308 and SPAN 3371 with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4362. Teaching Across the Bilingual Content Areas EC-6.
A study of research-based content and instructional methods and strategies, materials and resources to teach bilingual learners the EC-6 academic curriculum based on content-related standards associated with the teaching of mathematics, science, social studies, and language arts. Prerequisites: Admittance to the Teacher Preparation Program; 2.75 Overall GPA; must be declared as seeking EC-6 Bilingual Generalist teacher certification; SPAN 3308 and SPAN 3371 with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4370. Classroom Management, Ethics, and Legal Issues in Secondary Teaching.
This course focuses on the development of an appropriate classroom management system based on current theory and research, analysis of legal and ethical issues as they relate to classroom teachers and students, and field experiences in a variety of secondary classroom environments. Prerequisites: Admittance to the Educator Preparation Program; CI 3325 and CI 4332; 2.75 Overall GPA; Corequisites: CI 4343 and RDG 3323.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4378. Problems in Education.
Individual problems related to areas of selected study for the undergraduate student, designed to meet individual differences for the purpose of certification. A letter following the course title on the permanent record will indicate the area of emphasis according to this code: (i) Elementary, (j) Secondary, and (l) Bilingual. Repeatable for credit with different emphasis. Prerequisite: Admittance to the Educator Preparation Program; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Courses in Early Childhood Education (ECE)

ECE 4300. The Languages of Children: Acquisition and Use.
This course is designed to provide pre-service teachers with pertinent information regarding the development of language and cognition in pre-school and school-aged children. Information regarding language structure, the sequence of development as well as the cognitive and social aspects of language acquisition and use will be included. Prerequisites: 2.75 overall GPA. Junior classification required. Must be declared in a degree program that leads to teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 4310. Seminar for Teachers of Young Children.
Directed field experiences in observation, participation, problem solving, assessing and teaching in programs for young children. A minimum of 1.5 hour seminar per week is required in addition to assignment (three hours weekly) in an approved preschool or kindergarten program. Prerequisites: Admittance to the Educator Preparation Program; CI 3310, CI 3315, ECE 4300; Co-requisite: ECE 4352; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ECE 4352. Curriculum for Preschool and Kindergarten Children.
Emphasizes research, program development, and developmentally appropriate teaching strategies, materials and activities for children ages 3-6 and collaboration with families. Prerequisites: Admittance to the Educator Preparation Program; CI 3310, CI 3315, ECE 4300; Co-requisite: ECE 4310; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 4380. Independent Study in Early Childhood.
In-depth study of selected topics of current need or interest in early childhood education. Work due on independent study basis with faculty member and only with permission of department. Repeatable for credit with different emphasis. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Courses in Educational Psychology (EDP)

EDP 1350. Effective Learning.
A study of the acquisition of procedural knowledge through the application of human learning theory, cognitive behavior modifications, and developmental psychology. Generalization and transfer of this knowledge will be emphasized. Repeatable for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: EDUC 1300

EDP 2150. Strategic Learning.
Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for college-level academic strategies. Students use assessment instruments to help them identify their own strengths and weaknesses as strategic learners.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Courses in Reading (RDG)

RDG 1300. Reading Improvement.
Course provides instruction in vocabulary, reading comprehension, critical reading, study and test-taking skills for students who fail to pass the reading placement subtest. Concurrent enrollment in specific sections of general education courses is required. Credit earned for this course does not count toward degrees offered by the university.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Developmental/Remedial|Lab Required
Grade Mode: Developmental

RDG 3312. Reading and Writing Instruction for Children with Special Needs.
Course focuses on classroom reading instruction for children not making average progress in literacy. Course topics: nature and identification of literacy difficulties, including dyslexia; modification of instruction for children with special needs; diagnostic teaching, teacher/program effectiveness and legal requirements of special populations. Prerequisites: Admittance to the Educator Preparation Program; RDG 3315, RDG 4310; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 3315. Assessing Literacy: Early Childhood Through Grade Six.
Students will understand principles of literacy assessment to guide literacy instruction for all children, including culturally and linguistically diverse students, and plan appropriate instruction in a field-based setting. Prerequisites: Admittance to the Educator Preparation Program; CI 3315, CI 3310, CI 3332, CI 4360, ECE 4300, ECE 4310, ECE 4352; Co-requisites for EC-6: RDG 3321, RDG 3320; Co-requisite for 4-8: RDG 4310; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 3320. Integrating Reading and Writing.
Course focuses on the integration of reading and writing with other subject areas, especially social studies, with special attention given to ESL methodologies for language arts instruction. The workshop approach for reading and writing is emphasized. Prerequisites: Admittance to the Educator Preparation Program; Co-requisites: RDG 3315, RDG 3321; 2.75 Overall GPA. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RDG 3321. Literacy Instruction for Early Childhood Through Grade Six.
Course provides for the understanding, critical analysis, and application of current literacy methods and materials, with a focus on ESL theories and methodologies. Course is taught in a field-based setting. Prerequisites: Admittance to the Educator Preparation Program; CI 3315, CI 3310, CI 3332, CI 4360, ECE 4300, ECE 4310, CI 4352; Co-requisites: RDG 3315, RDG 3320; 2.75 Overall GPA. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RDG 3323. Teaching Reading in the Content Areas.
Provides information about reading in secondary content areas emphasizing selection and use of materials, including textbooks in print and electronic formats. Topics include instructional strategies, assessment of comprehension, and adapting instruction to meet student needs. Prerequisites: Admittance to the Educator Preparation Program; CI 3325, CI 4332; Co-requisites: CI 4343, CI 4370; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 4310. Content Reading.
Course provides information about instruction in the elementary content areas with emphasis on the effective use of textbooks and tradebooks. Course topics include: nature and purpose of content instruction and reading, text selection, use of tradebooks, comprehension, inquiry learning and problem solving, and assessment and meeting individual needs in content reading. Prerequisites: Admittance to the Educator Preparation Program; CI 3310, CI 3325; Co-requisite: RDG 3315; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 4320. Language and Literacy in Diverse Communities.
Course includes the examination of sociolinguistic theories and an introduction to culturally responsive teaching of literacy. Topics address social identity factors, ethnicity, language variation, bilingualism, and the acquisition of Standard American English with implications for effective literacy instruction. Prerequisite: 2.75 overall GPA. Junior classification required. Must be declared in a degree program that leads to teacher certification. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 4330. Teaching Reading/Language Arts in Middle School.
This course examines how the teaching of reading/language arts is informed by theory and research. In this course students will analyze the foundations of reading and language arts as disciplines, reading/language arts curricular issues, reading/language arts pedagogy, controversial issues in reading/language arts pedagogy, and the construction of conceptual, inquiry-based units. Prerequisites: Admittance to Educator Preparation Program; must be declared as seeking 4-8 grade teacher certification; junior or senior classification required; grades of "C" or better must be earned in all prerequisites; 2.75 Overall GPA required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RDG 4380. Independent Study in Reading Instruction.
Analysis and interpretation of selected topics of special interest in reading and language arts instruction. Topics and instructors will vary from semester to semester. Repeatable for credit with different emphasis. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Courses in Special Education (SPED)

SPED 2360. Survey of Exceptionalities.
Course provides for the examination of types, characteristics, and causes of various exceptionalities; identifies federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 3338. Educating Students with Emotional/Behavioral Disorders.
This course addresses topics associated with teaching students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues. Prerequisites: If SPED 2360 is taken prior to this course, students must have earned a "C" or better. Corequisites: SPED 2360.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 3390. Assessing Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude; academic achievement; social, emotional, and motor development; and includes implications of these results for instruction or remediation. Prerequisites: Must be declared as seeking All-Level Special Education teacher certification or with a Special Education minor; if SPED 2360 is taken prior to this course, a grade of "C" or better must be earned. Corequisite: SPED 2360.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 4310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on an independent study basis with faculty member and available only with permission of department. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPED 4340. Evidence-Based Instructional Practices for Students with Mild or Moderate Disabilities.
This course delineates evidence-based instructional theories and practices for students with mild or moderate disabilities and targets curricular and instructional design for students who need specialized methods for successful learning. Topics include curriculum-based measurement and progress monitoring, evidence-based strategies matched to presenting characteristics, and evidence-based inclusion models. Prerequisite: 2.75 Overall GPA, SPED 2360 with a grade of "C" or better. Corequisite: SPED 3390 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 4344. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented. Prerequisite: 2.75 overall GPA. Junior classification required. Must be admitted to the Educator Preparation Program or Minor in Special Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 4345. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas. Prerequisites: Admittance to the Educator Preparation Program and Minor in Special Education; SPED 2360 with a grade of "C" or better; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 4374. Classroom and Behavior Management Strategies for Students with Disabilities.
Effective strategies for classroom management. Topics include: common management problems, evaluation of classroom management approaches, strategies for preventing behavior problems, teaching new behaviors, increasing desired group and individual behaviors, and positive strategies for reducing inappropriate group and individual behaviors. Prerequisites: Admittance to the Educator Preparation Program or Minor in Special Education; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 4381. Educating Students with Intellectual and Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques pertaining to individuals with intellectual and developmental disabilities. Techniques include specialized assessment and instructional strategies, functional curriculum development, transition planning, positive behavior supports, and assistive technologies. Prerequisites: Must be declared as seeking All-Level Special Education teacher certification or with a Special Education minor; if SPED 2360 is taken prior to this course, students must have earned a "C" or better. Corequisite: SPED 2360.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 4389. Special Education Practicum.
This course provides opportunities for students to design and apply assessment, planning, and instructional strategies. Students may be required to instruct in one or more content areas including academic, life, social, prevocational or vocational and/or communication skills. Prerequisites: Admittance to the Educator Preparation Program; SPED 2360 and SPED 4345 and SPED 4374 and SPED 3338 or SPED 4381, all with a grade of "D" or better; 2.75 Overall GPA.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

Bachelor of Science (B.S.) Major in Interdisciplinary Studies (Teacher Certification in Bilingual Generalist-Spanish, Early Childhood Through Grade 6)

Minimum required: 124 semester credit hours

Admission Requirements

1. All degree programs within the Department of Curriculum and Instruction require formal admittance into the Educator Preparation Program.
2. Students must apply and be admitted to the Educator Preparation Program in order to enroll in Block coursework and Student Teaching in the Junior and Senior year. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236).
3. The Bachelor of Science (B.S.) degree with a major in Interdisciplinary Studies requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/education/curriculum-instruction/#admissionstext

General Requirements

1. A 2.5 Major GPA and a 2.75 Overall GPA are required to graduate.
2. All Major as well as Pedagogy and Professional Responsibility courses must be completed with a grade of "C" or higher.
3. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course but will be required to

earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.

4. Any degree program of 122 hours or more may be considered a five-year program. To complete the predetermined sequence of courses in 4 years, students will most likely need to attend summer sessions.
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
6. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
MATH 1315 or 1319 (Mathematics Component Code 020)[1]	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
Choose one of the following (Life & Physical Sciences Component Code 030):	6
PHYS 1310 & PHYS 1320	
PHYS 1360 & PHYS 1370	
US 1100	1
	28

Sophomore	Hours
Select one of the following:	3
ARTT 3370	
MU 3370	
TH 3370	
BIO 1320[1]	3
ENG Literature (Component Area Option Code 090/094)	3
ESS 3321 or H ED 3321	3
GEO 1310 (Social & Behavioral Sciences Component Code 080)	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
MATH 2311	3
MATH 2312	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
SPAN 3308[2]	3
SPAN 3309 or 3371	3
	36

Junior	Hours
CI 4325	3
CI 4350	3
GS 3310	3
GS 3320	3
Education Core:	12
CI 3310	
CI 3315	
ECE 4300	
RDG 4320	
Bilingual Field-Based Block One:	9
CI 3332	
CI 4361	
RDG 3321	
	33

Senior	Hours
CI 3338	3
CI 4355	3
SPED 4344	3
EDST 4687	6
Bilingual Field-Based Block Two:	12
BILG 4365	
CI 4360	
CI 4362	
RDG 3315	
	27

Total Hours: 124

[1] While not recommended, previously completed courses in some areas can be substituted for the following degree requirements:
- MATH 2417 or MATH 2471 with a grade of "C" or better can satisfy the MATH 1315 or MATH 1319 requirement.
- BIO 1321 or BIO 1330 or BIO 1331 or BIO 1421 with a grade of "C" or better can satisfy the BIO 1320 requirement.

[2] SPAN 1410, SPAN 1420, SPAN 2310, and SPAN 2320 are prerequisites for SPAN 3308.

Bachelor of Science (B.S.) Major in Interdisciplinary Studies (Teacher Certification in English as a Second Language Generalist, Early Childhood Through Grade 6)

Minimum required: 124 semester credit hours

Admission Requirements

1. All degree programs within the Department of Curriculum and Instruction require formal admittance into the Educator Preparation Program.
2. Students must apply and be admitted to the Educator Preparation Program in order to enroll in Block coursework and Student Teaching in the Junior and Senior year. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236).
3. The Bachelor of Science (B.S.) degree with a major in Interdisciplinary Studies program requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/education/curriculum-instruction/#admissionstext

General Requirements

1. A 2.5 Major GPA and a 2.75 Overall GPA are required to graduate.
2. All Major as well as Pedagogy and Professional Responsibility courses must be completed with a grade of "C" or higher.
3. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course but will be required to earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.
4. Any degree program of 122 hours or more may be considered a five-year program. To complete the predetermined sequence of courses in 4 years, students will most likely need to attend summer sessions.
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
6. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Freshman	**Hours**
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
MATH 1315 or 1319 (Mathematics Component Code 020)[1]	3
Choose one of the following (Life & Physical Sciences Component Code 030):	6
PHYS 1310 & PHYS 1320	
PHYS 1360 & PHYS 1370	
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
US 1100	1
	28

Sophomore	**Hours**
Select two of the following:	6
ARTT 3370	
MU 3370	
TH 3370	
BIO 1320[1]	3
ESS 3321 or H ED 3321	3
ENG Literature (Component Area Option Code 090/094)	3
GEO 1310 (Social & Behavioral Sciences Component Code 080)	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
MATH 2311	3
MATH 2312	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	33

Junior	**Hours**
GS 3310	3
EDTC 3300	3
GS 3320	3
SPED 4344	3
Education Core:	12
CI 3310	
CI 3315	
ECE 4300	
RDG 4320	
ESL Block:	6
CI 3332	
CI 4360	

ECE Block:	6
ECE 4310	
ECE 4352	
	36

Senior	Hours
CI 3338	3
CI 4350	3
CI 4355	3
RDG 3320	3
Elementary Field-Based Block:	9
RDG 3315	
RDG 3321	
CI 4325	
EDST 4687 (Student Teaching)	6
	27

Total Hours: 124

[1] While not recommended, previously completed courses in some areas can be substituted for the following degree requirements:
- MATH 2321 or MATH 2417 or MATH 2471 with a grade of "C" or better can satisfy the MATH 1315 or MATH 1319 requirement.
- BIO 1321 or BIO 1330 or BIO 1331 or BIO 1421 with a grade of "C" or better can satisfy the BIO 1320 requirement.
- PHYS 1315 or PHYS 1360 with a grade of "C" or better can satisfy the PHYS 1310 requirement.
- PHYS 1325 or PHYS 1370 with a grade of "C" or better can satisfy the PHYS 1320 requirement.

Bachelor of Science (B.S.) Major in Interdisciplinary Studies (Teacher Certification in English Language Arts and Reading/Social Studies, Grades 4-8)

Minimum required: 121 semester credit hours

Admission Requirements

1. All degree programs within the Department of Curriculum and Instruction require formal admittance into the Educator Preparation Program.
2. Students must apply and be admitted to the Educator Preparation Program in order to enroll in Block coursework and Student Teaching in the Junior and Senior year. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236).
3. The Bachelor of Science (B.S.) degree with a major in Interdisciplinary Studies program requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/education/curriculum-instruction/#admissionstext

General Requirements

1. A 2.5 Major GPA and a 2.75 Overall GPA are required to graduate.
2. All major courses as well as Pedagogy and Professional Responsibility courses must be completed with a grade of "C" or higher.
3. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course but will be required to earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.
4. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
5. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
GEO 1310 (Social & Behavioral Sciences Component Code 080)	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
US 1100	1
Mathematics Component Code 020	3
Life & Physical Sciences Component Code 030	6
	31

Sophomore	Hours
Advanced ENG Elective	3
Advanced ENG Elective	3
Advanced PS Elective from Group II	3
Advanced PS Elective from Group II	3
ECO 2301 or 2314	3
ENG 3303	3
ENG 3386	3

ENG Literature (Component Area Option Code 090/094)	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
MC 3319	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	36

Junior	**Hours**
Advanced GEO Elective	3
Advanced HIST Elective	3
Select one of the following:	3
ANTH 3309	
ANTH 3314	
ANTH 3324	
GEO 4340	3
HIST 3372	3
RDG 3312	3
Education Core:	9
CI 3310	
CI 3325[1]	
RDG 4320	
Middle School Field-Based Block One:	6
RDG 3315	
RDG 4310	
	33

Senior	**Hours**
RDG 3320	3
Science Elective[2]	3
SPED 4344	3
Middle School Field-Based Block Two:	6
CI 3300	
CI 4300	
EDST 4680 (Student Teaching)	6
	21

Total Hours: 121

1 While not recommended, CI 3315 with a grade of "C" or better can satisfy the CI 3325 requirement.

2 Science Elective: BIO 1320, BIO 4305 CHEM 1310, GEO 2310, PHYS 1340

Bachelor of Science (B.S.) Major in Interdisciplinary Studies (Teacher Certification in Generalist, Grades 4-8)

Minimum required: 126 semester credit hours

Admission Requirements

1. All degree programs within the Department of Curriculum and Instruction require formal admittance into the Educator Preparation Program.
2. Students must apply and be admitted to the Educator Preparation Program in order to enroll in Block coursework and Student Teaching in the Junior and Senior year. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236).
3. The Bachelor of Science (B.S.) degree with a major in Interdisciplinary Studies program requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/education/curriculum-instruction/#admissionstext

General Requirements

1. A 2.5 Major GPA and a 2.75 Overall GPA are required to graduate.
2. All major courses as well as Pedagogy and Professional Responsibility courses must be completed with a grade of "C" or higher.
3. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course but will be required to earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.
4. Any degree program of 122 hours or more may be considered a five-year program. To complete the predetermined sequence of courses in 4 years, students will most likely need to attend summer sessions.
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
6. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	**Hours**
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3

COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
MATH 1315	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
US 1100	1
Social & Behavioral Sciences Component Code 080	3
Choose one of the following (Life & Physical Sciences Component Code 030):	6
PHYS 1310 & PHYS 1320	
PHYS 1360 & PHYS 1370	
	31

Sophomore	Hours
BIO 1320[1]	3
BIO 1321	3
ENG 3304	3
ENG 3386[1]	3
ENG Literature (Component Area Option Code 090/094)	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
HIST 3372	3
MATH 2311	3
MATH 2312	3
MATH 2321[1]	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	36

Junior	Hours
Advanced level GEO, HIST, POSI, ECO, SOCI or ANTH	3
Advanced level BIO	3
BIO 4402	4
CHEM 1310[1]	3
MATH 2328	3
MATH 3315	3
PHYS 1340 or 1350	3
Education Core:	6
CI 3310	
CI 3325	
Middle School Field-Based Block One:	6
RDG 3315	
RDG 4310	
	34

Senior	Hours
BIO 4403	4
GEO 4340	3
MATH 4302	3
SPED 4344	3
Middle School Field-Based Block Two:	6
CI 3300	
CI 4300	
EDST 4680	6
	25

Total Hours: 126

[1] While not recommended, previously completed courses in some areas can be substituted for the following degree requirements.
- BIO 1330 can satisfy the BIO 1320 requirement.
- CHEM 1341 or CHEM 1342 can satisfy the CHEM 1310 requirement.
- MATH 2471 can satisfy the MATH 2321 requirement.
- ENG 3385 can satisfy the ENG 3386 requirement.

Bachelor of Science (B.S.) Major in Interdisciplinary Studies (Teacher Certification in Mathematics, Grades 4-8)

Minimum required: 120 semester credit hours

Admission Requirements

1. All degree programs within the Department of Curriculum and Instruction require formal admittance into the Educator Preparation Program.
2. Students must apply and be admitted to the Educator Preparation Program in order to enroll in Block coursework and Student Teaching in the Junior and Senior year. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236).
3. The Bachelor of Science (B.S.) degree with a major in Interdisciplinary Studies program requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/education/curriculum-instruction/#admissionstext

General Requirements

1. A 2.5 Major GPA and a 2.75 Overall GPA are required to graduate.
2. All major courses as well as Pedagogy and Professional Responsibility courses must be completed with a grade of “C” or higher.
3. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course but will be required to

earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.

4. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

5. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
MATH 2417 or 1315 (Mathematics Component Code 020)	4
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
Social & Behavioral Sciences Component Code 080	3
Choose one of the following (Life & Physical Sciences Component Code 030):	6
PHYS 1310 & PHYS 1320	
PHYS 1360 & PHYS 1370	
US 1100	1
	32

Sophomore	Hours
BIO 1320	3
BIO 1321	3
ENG Literature (Component Area Option Code 090/094)	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
MATH 2311	3
MATH 2312	3
MATH 2321 or 2471	3
MATH 3315	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	30

Junior	Hours
MATH 2331 or 2472	3
CHEM 1310	3
CHEM 1330	3
MATH 4302	3
MATH 4303	3
SPED 4344	3
Education Core:	6
CI 3310	
CI 3325[1]	
Middle School Field-Based Block One:	6
RDG 3315	
RDG 4310	
	30

Senior	Hours
CI 4350	3
CS 1428[1]	4
MATH 2328	3
MATH 4311	3
Middle School Field-Based Block Two:	6
CI 3300	
CI 4300	
EDST 4680	6
Electives	3
	28

Total Hours: 120

[1] While not recommended, previously completed courses in some areas can be substituted for the following degree requirements:
- CI 3315 with a grade of "C" or better can satisfy the CI 3325 requirement.
- CS 1308 with a grade of "C" or better can satisfy the CS 1428 requirement.

Bachelor of Science (B.S.) Major in Interdisciplinary Studies (Teacher Certification in Mathematics and Science, Grades 4-8)

Minimum required: 130 semester credit hours

Admission Requirements

1. All degree programs within the Department of Curriculum and Instruction require formal admittance into the Educator Preparation Program.

2. Students must apply and be admitted to the Educator Preparation Program in order to enroll in Block coursework and Student Teaching in the Junior and Senior year. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236).
3. The Bachelor of Science (B.S.) degree with a major in Interdisciplinary Studies program requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/education/curriculum-instruction/#admissionstext

General Requirements

1. A 2.5 Major GPA and a 2.75 Overall GPA are required to graduate.
2. All major courses as well as Pedagogy and Professional Responsibility courses must be completed with a grade of "C" or higher.
3. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course but will be required to earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.
4. Any degree program of 122 hours or more may be considered a five-year program. To complete the predetermined sequence of courses in 4 years, students will most likely need to attend summer sessions.
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
6. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	Hours
BIO 1330 (Life & Physical Sciences Component Code 030)	3
BIO 1130	1
BIO 1331 (Life & Physical Sciences Component Code 030)	3
BIO 1131	1
CHEM 1341	3
CHEM 1141	1
CHEM 1342	3
CHEM 1142	1
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
MATH 2417 or 1315 (Mathematics Component Code 020)	4
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
Social & Behavioral Sciences Component Code 080	3
US 1100	1
	39

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
Science Elective[3]	4
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
MATH 2311	3
MATH 2312	3
MATH 2321 or 2471	3-4
MATH 2331 or 2472	3-4
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Choose one of the following:	6
PHYS 1310 & PHYS 1320	
PHYS 1360 & PHYS 1370	
	34

Junior	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
BIO 2450[1]	4
BIO 4402	4
BIO 4403	4
MATH 2328	3
MATH 3315	3
MATH 4302	3
Education Core:	6
CI 3310	
CI 3325	
Middle School Field-Based Block One:	6
RDG 3315	
RDG 4310	
	36

Senior	Hours
BIO 4305 or 4408[2]	3-4
MATH 4311	3
SPED 4344	3

Middle School Field-Based Block Two:	6
CI 3300	
CI 4300	
EDST 4680	6
	21

Total Hours: 130

1. Students should take BIO 2450 prior to/during the fist semester of their Junior Year.
2. BIO 4305 or BIO 4408 should be taken the long semester immediately prior to student teaching.
3. Science Elective must be chosen from the following: BIO 2410, BIO 2411, BIO 2440, BIO 3308, BIO 3406, BIO 3421, BIO 3430, BIO 3442, BIO 3460, BIO 3490, BIO 4301, BIO 4338, BIO 4350N, BIO 4350O, BIO 4350P, BIO 4350T, BIO 4410, BIO 4412, BIO 4415, BIO 4416, BIO 4418, BIO 4420, BIO 4421, BIO 4422, BIO 4434, BIO 4446, BIO 4454, BIO 4455, BIO 4464, BIO 4465, BIO 4472, advanced GEOL.

Bachelor of Science (B.S.) Major in Interdisciplinary Studies (Teacher Certification in Science, Grades 4-8)

Minimum required: 125 semester credit hours

Admission Requirements

1. All degree programs within the Department of Curriculum and Instruction require formal admittance into the Educator Preparation Program.
2. Students must apply and be admitted to the Educator Preparation Program in order to enroll in Block coursework and Student Teaching in the Junior and Senior year. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236).
3. The Bachelor of Science (B.S.) degree with a major in Interdisciplinary Studies program requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/education/curriculum-instruction/#admissionstext

General Requirements

1. A 2.5 Major GPA and a 2.75 Overall GPA are required to graduate.
2. All major courses as well as Pedagogy and Professional Responsibility courses must be completed with a grade of "C" or higher.
3. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course but will be required to earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.
4. Any degree program of 122 hours or more may be considered a five-year program. To complete the predetermined sequence of courses in 4 years, students will most likely need to attend summer sessions.
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
6. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
BIO 1330	3
BIO 1130	1
BIO 1331	3
BIO 1131	1
CHEM 1341	3
CHEM 1141	1
CHEM 1342	3
CHEM 1142	1
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
MATH 1315 or 1319 (Mathematics Component Code 020)	3
Social & Behavioral Sciences Component Code 080	3
US 1100	1
	35

Sophomore	Hours
Science Electives[4]	4
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
MATH 2321[3]	3
MATH 2328	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
PHYS 1340 or 1350	3

Choose one of the following (Life & Physical Sciences Component Code 030):	6
PHYS 1310 & PHYS 1320	
PHYS 1360 & PHYS 1370	
	34

Junior	Hours
BIO 2450[1]	4
ENG Literature (Component Area Option Code 090/094)	3
Science Electives[4]	8
MATH 3315	3
SPED 4344	3
Education Core:	6
CI 3310	
CI 3325	
Middle School Field-Based Block One:	6
RDG 3315	
RDG 4310	
	33

Senior	Hours
BIO 4305 or 4408[2]	3-4
BIO 4402	4
BIO 4403	4
Middle School Field-Based Block Two:	6
CI 3300	
CI 4300	
EDST 4680	6
	23

Total Hours: 125

1 Students should take BIO 2450 prior to/during the first semester of their Junior Year.

2 BIO 4305 or BIO 4408 should be taken the long semester immediately prior to student teaching.

3 While not recommended, previously completed courses in some areas can be substituted for the following degree requirements:
- MATH 2471 can satisfy the MATH 2321 requirement.

4 Science Electives must be chosen from the following: BIO 2410, BIO 2411, BIO 2440, BIO 3308, BIO 3406, BIO 3421, BIO 3430, BIO 3442, BIO 3460, BIO 4301, BIO 4338, BIO 4350N, BIO 4350P, BIO 4350T, BIO 4410, BIO 4412, BIO 4415, BIO 4416, BIO 4418, BIO 4420, BIO 4421, BIO 4422, BIO 4434, BIO 4446, BIO 4454, BIO 4455, BIO 4464, BIO 4465, BIO 4472, advanced GEOL.

Bachelor of Science (B.S.) Major in Interdisciplinary Studies (Teacher Certification in Special Education, Early Childhood Through Grade 12)

Minimum required: 124 semester credit hours

Admission Requirements

1. All degree programs within the Department of Curriculum and Instruction require formal admittance into the Educator Preparation Program.
2. Students must apply and be admitted to the Educator Preparation Program in order to enroll in Block coursework and Student Teaching in the Junior and Senior year. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236).
3. The Bachelor of Science (B.S.) degree with a major in Interdisciplinary Studies program requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/education/curriculum-instruction/#admissionstext

General Requirements

1. A 2.5 Major GPA and a 2.75 Overall GPA are required to graduate.
2. All Major as well as Pedagogy and Professional Responsibility courses must be completed with a grade of "C" or higher.
3. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course but will be required to earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.
4. Any degree program of 122 hours or more may be considered a five-year program. To complete the predetermined sequence of courses in 4 years, students will most likely need to attend summer sessions.
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
6. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3

COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
GEO 1310 (Social & Behavioral Sciences Component Code 080)	3
MATH 1315 or 1319 (Mathematics Component Code 020)[1]	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
US 1100	1
Choose one of the following: (Life & Physical Sciences Component Code 030)	6
PHYS 1310 & PHYS 1320 (Life & Physical Sciences Component Code 030)	
PHYS 1360 & PHYS 1370	
	31

Sophomore	Hours
BIO 1320	3
ENG Literature (Component Area Option Code 090/094)	3
GS 3310	3
GS 3320	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
MATH 2311	3
MATH 2312	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
SPED 2360	3
Education Core:	6
CI 3325	
CI 4332	
	36

Junior	Hours
CI 3338	3
CI 4350	3
CI 4355	3
SPED 3338	3
SPED 3390	3
SPED 4340	3
SPED 4345	3
SPED 4374	3
ESL Block:	6
CI 3332	
CI 4360	
High School Field-Based Block:	6
CI 4343	
RDG 3323	
	36

Senior	Hours
SPED 4381	3
SPED 4389	3
Elementary Field-Based Block:	9
RDG 3315	
RDG 3321	
CI 4325	
Student Teaching:	6
EDST 4380	
EDST 4381	
	21

Total Hours: 124

[1] While not recommended, previously completed courses in some areas can be substituted for the following degree requirements:
- MATH 2321 or MATH 2417 or MATH 2471 with a grade of “C” or better can satisfy the MATH 1315 or MATH 1319 requirement.
- BIO 1321 or BIO 1330 or BIO 1331 or BIO 1421 with a grade of "C" or better can satisfy the BIO 1320 requirement.

Minor in Secondary Education

The minor in Secondary Education requires 21 semester credit hours and includes required education coursework for students seeking teaching certification for high school subject areas. Students must declare a major in a subject area for which teacher certification is available to be eligible for this minor. The minor in Secondary Education is not available with all majors that include teacher certification. See the Academic Advisor in the College of your major for more information.

Code	Title	Hours
Education Core		
CI 4332	Secondary Teaching: Curriculum and Technology	3
CI 3325	Adolescent Growth and Development	3
Field-Based Block		
CI 4343	Instructional Strategies for the Secondary Teacher	3
CI 4370	Classroom Management, Ethics, and Legal Issues in Secondary Teaching	3
RDG 3323	Teaching Reading in the Content Areas	3
Student Teaching		
EDST 4681	Student Teaching 7-12	6
Total Hours		21

Minor in Special Education

The minor in Special Education requires 21 semester credit hours. Students pursuing the minor in Special Education, who are not otherwise declared in a teacher certification-seeking degree plan, do not need to be admitted to the Educator Preparation program. They will, however, encounter prerequisite restrictions when attempting to register for their SPED minor courses since those courses require the ‘Teacher Certification Cohort’ as a prerequisite. In order to resolve

this, those students will need to request prerequisite overrides each semester for each SPED course that they plan to register for by using the CI Department's Prerequisite Override Request form. For more information contact the Department of Curriculum and Instruction (http://www.education.txstate.edu/ci).

Code	Title	Hours
Required Courses		
SPED 2360	Survey of Exceptionalities	3
SPED 3338	Educating Students with Emotional/Behavioral Disorders	3
SPED 3390	Assessing Students with Disabilities	3
SPED 4340	Evidence-Based Instructional Practices for Students with Mild or Moderate Disabilities	3
SPED 4345	Teaching Language Arts to Students with Disabilities	3
SPED 4374	Classroom and Behavior Management Strategies for Students with Disabilities	3
SPED 4381	Educating Students with Intellectual and Developmental Disabilities	3
Total Hours		21

Department of Health and Human Performance

Jowers Center Room A116
Telephone: 512-245-2561 Fax: 512.-245-8678
www.hhp.txstate.edu (http://www.hhp.txstate.edu)

Exercise and Sports Science

The Bachelor of Exercise and Sports Science (BESS) degree has several specializations that allow graduates to prepare for careers in education, exercise prescription, health professions, management of exercise programs, and coaching. The BESS with All-Level Physical Education (EC-12) Teacher Certification prepares graduates to teach in elementary and secondary schools. The BESS with a concentration in Clinical Exercise Science prepares graduates for careers in cardiopulmonary, clinical exercise physiology, and diagnostic testing and programming for cardiac rehabilitation and other special populations. The BESS with a concentration in Pre-Rehabilitation Sciences gives students a degree that is well aligned with entrance requirements of advanced study in health care and allied health professions like athletic training, physical therapy, occupational therapy, orthotics/prosthetics, chiropractics, or physician's assistant. The BESS with a major in Health and Fitness Management and minor in Business Administration blends exercise science knowledge with the management and leadership skills needed to direct fitness and health/wellness programs in commercial, corporate, and institutional settings. Advanced course work and field experiences are required for graduation in these programs and depend on maintenance of GPAs above 2.5 or 2.75.

Public Health

The Public Health major will provide students with the breadth of knowledge, skills, and experiential learning for careers in public health. The purpose of the program is to facilitate development of knowledge and skills to promote health in public health settings (e.g. community, governmental, educational, healthcare) by using evidence-based practices to design, implement, and evaluate public health programs that impact individual behavior, community environments, and public policy. Graduates of this program play a vital role in health promotion teams in public health agencies, industries, non-profit organizations, and various clinical settings with specializations in obesity and diabetes prevention, epidemiology, mental health, substance abuse prevention, public policy, environmental health, maternal, child, and adolescent health, or worksite wellness. Completion of this program may lead to further education opportunities in community and public health, health promotion, allied health, dental, and medical graduate programs. Upon degree completion, students are eligible to sit for the Certified Health Education Specialist (CHES), Certified in Public Health (CPH), and the Certified Wellness Practitioner (CWP) exams.

Recreation Administration

The Recreation Administration major combines classroom learning and on-the-job training in two career tracks: recreation administration and therapeutic recreation. Students study areas in recreation programming, leadership, marketing, evaluation, administration, and therapeutic recreation. Recreation Administration graduates work in camps, nursing homes, recreation centers, resorts, hospitals, rehabilitation facilities, fitness centers, and state and national parks. The program is nationally accredited in both recreation administration and therapeutic recreation. Graduates of this program are eligible to sit for certification examinations for National Council for Therapeutic Recreation Certification (CTRS) and/or the National Recreation and Park Association's National Certification Board (CPRP).

PFW Service Courses

Several Texas State degree programs require Physical Fitness and Wellness (PFW) classes to give students knowledge, skills, and health-related benefits of physical activity. All students may elect to take PFW classes to learn new skills/activities, relieve stress, maintain health, and meet others with similar activity interests. All students may elect to take PFW 1301 (Behavioral and Social Dimensions of Physical Activity and Wellness) to satisfy their general education requirement in social and behavioral sciences. The PFW program provides a wide variety of activity classes that include sports, games, indoor or outdoor activities both on and off campus. PFW classes are for students of all ages, skill ranges, and abilities. Some PFW classes, however, are restricted to students who are involved in athletics, band, ROTC, and other organizations. Some off-campus classes have an additional activity fee appropriate for the instructor and facilities used. Contact the Director of the PFW Division if you have any questions about PFW classes.

Admittance to the Educator Preparation Program

The All-Level Physical Education Teacher Certifications requires formal admittance into the Educator Preparation Program by the Office of Educator Preparation (p. 236). Please see http://www.education.txstate.edu/oep/ for current admittance requirements and procedures.

Admission Requirements

Athletic Training

1. The Athletic Training Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Students desiring admission must first declare the Athletic Training major and complete the preliminary requirements for the Athletic Training major at Texas State University in order to become eligible to be

admitted to the Athletic Training Program cohort. Once per year, in June, following the completion of a year-long competitive admissions process, the top 20 ranked applicants are offered admission to the Athletic Training Program cohort. For more information, please refer to https://www.hhp.txstate.edu/Undergraduate-Programs/Athletic-Training.html.

2. Students admitted to the Athletic Training Program cohort must be committed to taking the Board of Certification's national examination, as well as the Texas Advisory Board of Athletic Trainers' state licensure examination during the last semester prior to graduation.
3. To be considered as a candidate for admission to the Athletic Training Program cohort, students must complete AT 1298, AT 2156, AT 2260, AT 2356, and BIO 2430 with grades of B or better, and:
   - Participate in the competitive admission process that includes the five prerequisite courses mentioned above, a completed application (due annually on April 1), and an admissions interview in early May.
   - Establish and maintain a minimum Texas State GPA of 2.75.
   - Complete 50 hours of directed Athletic Training observation as part of AT 1298 – Orientation to Athletic Training Education.
   - Hold current Emergency Cardiac Care (ECC) certification in CPR/AED at the Professional Rescuer level.
4. The six-component objective formula used to rank applicants for admission to the AT Program cohort is available to view at https://www.hhp.txstate.edu/Undergraduate-Programs/Athletic-Training.html.
5. The required Technical Standards for the AT Program are available at the department website listed, in the AT 1298 Policy and Procedures Manual, and from the program director.

Bachelor of Exercise and Sports Science (B.E.S.S.)

- Major in Exercise and Sports Science (Clinical Exercise Science Concentration) (p. 226)
- Major in Exercise and Sports Science (Pre-Rehabilitation Sciences Concentration) (p. 227)
- Major in Exercise and Sports Science (Teacher Certification in Physical Education, Early Childhood Through Grade 12) (p. 228)
- Major in Health and Fitness Management (p. 229)

Bachelor of Science (B.S.)

- Major in Athletic Training (p. 231)
- Major in Public Health (p. 232)
- Major in Recreation Administration (p. 233)
- Major in Recreation Administration (Therapeutic Recreation Concentration) (p. 234)

Minors

- Coaching
- Exercise and Sports Science
- Public Health
- Recreation Administration

Subjects in this department include: AT (p. 213), ESS (p. 216), PFW (p. 219), PH, REC (p. 222)

Courses in Athletic Training (AT)

AT 1298. Orientation to Athletic Training Education.
Pre-Athletic Training majors will be introduced to the academic and clinical aspects of the CAATE accredited athletic training education program. The course is utilized as part of the rigorous student evaluation process before formal entrance into the athletic training education program.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

AT 2156. Taping and Bandaging Athletic Injuries.
This course focuses on the use of taping, bracing, and bandaging techniques in the prevention and care of athletic injuries.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 2260. Acute Care of Injuries and Illnesses.
This course will address the knowledge and skills related to the immediate evaluation and specialized care of acute injuries and illnesses common in sports settings. Lectures and laboratory experiences are focused on key aspects of emergency sports health care, including the rapid assessment, resuscitation, packaging and transportation of injured patients. Must be admitted to the Pre-Athletic Training major to enroll.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 2356. Prevention and Care of Athletic Injuries.
This course focuses on the theoretical and practical aspects of the prevention, treatment, and rehabilitation of athletic injuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 2397. Clinical Experience in Athletic Training I.
This course addresses the topics of injury prevention and emergency management, integrated into a clinical education experience designed to assess professional behaviors, knowledge and skills, and clinical proficiency. This course combines didactic with clinical education experiences obtained under the supervision of a licensed preceptor at an on-campus clinical site. A minimum 2.75 Texas State GPA is required. Must be admitted to the Athletic Training Cohort.
3 Credit Hours. 2 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

AT 2398. Clinical Experience in Athletic Training II.
This course integrates topics in advanced athletic injury evaluation and management into a clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. This course combines didactic and clinical education experiences obtained under the supervision of a licensed preceptor at an on-campus clinical site. Prerequisite: AT 2397 with a grade of "C" or better and a minimum 2.75 Texas State GPA. Must be admitted to the Athletic Training Cohort.
3 Credit Hours. 2 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

AT 2400. Functional Anatomy.
The students will learn to qualitatively analyze the movements of the human body while integrating musculoskeletal anatomy and neuromuscular physiology principles. Corequisite: BIO 2430.
4 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3111. Clinical Assessment I Laboratory.
This laboratory will assist students in developing the psychomotor skills used in the clinical evaluation of injuries and illnesses involving the head and face, brain, cervical spine, upper extremity, thorax, and pulmonary and cardiovascular systems. Corequisite: AT 3311. Prerequisites: AT 2356 with a garde of "D" or better, and a 2.75 Texas State GPA.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3112. Clinical Assessment II Laboratory.
This laboratory will assist students in developing the psychomotor skills used in the clinical evaluation of injuries and illnesses involving the lumbar spine and lower extremity injuries as well as abdomen, gastrointestinal, genitourinary, endocrine, dermatologic, and systemic illnesses. Corequisite: AT 3312. Prerequisite: AT 3111, AT 3311, and a 2.75 Texas State GPA.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3126. Applied Laboratory of Upper Extremity Injuries.
This course will present a study and critical analysis of the anatomy, injury signs and symptoms, and special tests used in the clinical evaluation of upper extremity injuries to the physically active individual. Must be admitted to the Athletic Training Program or Pre-Physical Therapy Concentration to enroll. Co-requisite: AT 3326.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Co-requisite(s): AT 3326
Grade Mode: Standard Letter

AT 3128. Applied Laboratory of Lower Extremity Injuries.
This course will present a study and critical analysis of the anatomy, injury signs and symptoms, and special tests used in the clinical evaluation of lower extremity injuries to the physically active individual. Must be admitted to the Athletic Training Program or Pre-Physical Therapy Concentration to enroll. Co-requisite: AT 3328.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Co-requisite(s): AT 3328
Grade Mode: Standard Letter

AT 3136. Applied Laboratory for Therapeutic Modalities.
This course provides students with experiences in laboratory and field applications of therapeutic modalities of all athletic injuries. Must be admitted to the Athletic Training Program or Pre-Physical Therapy Concentration to enroll. Co-requisite: AT 3336.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Co-requisite(s): AT 3336
Grade Mode: Standard Letter

AT 3146. Applied Laboratory for Therapeutic Exercise and Rehabilitation.
This course provides students with experiences in laboratory and field applications of therapeutic exercise and rehabilitation of athletic injuries. Must be admitted to the Athletic Training Program or Pre-Physical Therapy Concentration to enroll. Co-requisite: AT 3346 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3311. Clinical Assessment I.
This course instructs students in the knowledge and skills used in the clinical evaluation of injuries and illnesses involving the head and face, brain, cervical spine, upper extremity, thorax, and pulmonary and cardiovascular systems. Prerequisite: AT 2356 with a grade of "C" or better, and a 2.75 Texas State GPA. Corequisite: AT 3111.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3312. Clinical Assessment II.
This course instructs students about the preliminary and secondary survey with emphasis on clinical assessment of lumbar spine and lower extremity injuries as well as abdomen, gastrointestinal, genitourinary, endocrine, dermatological, and systemic illnesses. Prerequisite: AT 3311 and AT 3111; both with a grade of "C" or better, and a 2.75 TX State GPA. Corequisite: AT 3112.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3326. Evaluation Techniques of Upper Extremity Injuries.
The course will present a study and critical analysis of the anatomy, injury signs and symptoms, and specific tests used in the clinical evaluation of upper extremity injuries to the physically active individual. Co-requisite: AT 3126. Prerequisite: AT 2356, with a grade of "D" or better, Minimum 2.75 TxState GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Co-requisite(s): AT 3126
Grade Mode: Standard Letter

AT 3328. Evaluation Techniques of Lower Extremity Injuries.
The course will present a study and critical analysis of the anatomy, injury signs and symptoms, and specific tests used in the clinical evaluation of lower extremity injuries to the physically active individual. Co-requisite: AT 3128. Prerequisites: AT 2356; BIO 2430 or equivalent; Minimum 2.75 TxState GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Co-requisite(s): AT 3128
Grade Mode: Standard Letter

AT 3333. Therapeutic Interventions for Medical and Psychosocial Conditions.
This course will address the athletic training knowledge and skills required to evaluate and manage common medical conditions and psychosocial concerns found among the physically active. Lecture and laboratory experiences are focused on immediate and advanced care with emphasis on therapeutic interventions and referral. Prerequisites: BIO 1421, or BIO 1330 and BIO 1130; BIO 2430 or equivalent, all with a grade of D or better. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AT 3336. Principles and Techniques of Therapeutic Modalities.
A theoretical and evidence-based approach to the use of therapeutic modalities in physical medicine settings. Special emphasis is placed on understanding the physiological effects, indications, contraindications and clinical applications of therapeutic modalities in the treatment and rehabilitation of musculoskeletal and neurological injuries and diseases. Co-requisite: AT 3136. Prerequisite: Minimum 2.75 Texas State GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Co-requisite(s): AT 3136
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AT 3346. Therapeutic Exercise and Rehabilitation.
A theoretical and evidence-based approach to the use of therapeutic exercise in physical medicine settings. Special emphasis is placed on understanding the physiological effects, indications, contraindications and clinical applications of therapeutic exercise in the treatment and rehabilitation of musculoskeletal and neurological injuries and diseases. Corequisite: AT 3146. Prerequisites: AT 3326, AT 3328, PT 3400, Minimum 2.75 Texas State GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AT 3358. Clinical Pathopharmacology.
This course combines pathophysiology, the study of dynamic aspects of disease processes and study of drugs prescribed to prevent, diagnose, cure, or care for disease across the lifespan. Content includes etiology, pathogenesis, clinical presentation, implications for treatment, and pharmacological management. Prerequisite: BIO 2430 or equivalent; or PT 3400.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3497. Clinical Experience in Athletic Training III.
This course integrates topics in advanced athletic injury evaluation and management into a clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Restricted to Athletic Training Majors. Prerequisite: AT 2497 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3498. Clinical Experience in Athletic Training IV.
This course integrates topics in advanced athletic injury evaluation and management into a clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Restricted to students in the Athletic Training Major. Prerequisite: AT 2498 with a grade of "C" or better. (WI).
4 Credit Hours. 2 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AT 4113. Clinical Therapeutic Interventions Lab.
This course provides students with experiences in laboratory and field applications of therapeutic interventions in physical medicine, both modalities and exercise, for patients with musculoskeletal and neurological injuries. Corequisite: AT 4313. Prerequisites: AT 3112 or AT 3312, with a grade of "D" or better, and a 2.75 Texas State GPA.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 4313. Clinical Therapeutic Interventions.
This course provides a theoretical and clinical background in the use of therapeutic interventions in physical medicine, both modalities and exercise, for patients with musculoskeletal and neurological injuries. Prerequisite: AT 3311 and AT 3312; both with a grade of "C" or better, and a 2.75 Texas State GPA. Corequisite: AT 4113.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 4356. Organization and Management of Athletic Training Programs.
This course addresses the organizational and administrative aspects of athletic training program management. Topics will include, but are not limited to, medical, ethical, legal, personnel and financial management, medical record keeping, facilities, supply requisition and inventory, third-party reimbursement, drug testing and other current professional issues. Prerequisites: AT 3326 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AT 4360. Internship in Clinical Settings.
Students will be introduced to the clinical aspects of allied health professions by being assigned to a minimum of two clinical sites. Prerequisite: A minimum TXST GPA of 2.75; AT 3311; AT 3111; AT 3312; AT 3112; all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 4497. Clinical Experience in Athletic Training V.
This course integrates topics in therapeutic interventions and exercise into a clinical education experience that assesses professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 3497 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 4498. Clinical Experience in Athletic Training VI.
This course integrates topics in nutrition, professionalism, and administration into a clinical education experience that assesses professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 3498 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

Courses in Exercise and Sports Science (ESS)

ESS 1100. Lifetime Fitness and Wellness.
This course introduces students to the concepts of health-related physical fitness. Emphasis is placed on learning how to teach these concepts. Students will design and implement an exercise program for enhancing health-related physical fitness. Restricted to majors or minors in Exercise and Sports Science, Athletic Training, or Health and Fitness Management.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHED 1164

ESS 1101. Seminar in Exercise and Sport Science.
This course provides students with an introduction to the various areas of exercise science, including interventions for healthy versus clinical populations, professional opportunities, individual awareness of professional responsibilities, familiarization with current trends and issues, and professional literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1128. Aquatic Therapy.
The course addresses basic principles and concepts of aquatic therapy and aquatic emergency management. This course prepares students for the American Red Cross Basic Water Rescue Certification.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1172. Beginning Field Sports.
This course prepares students to become proficient instructors of field sports, including softball and soccer. Emphasis is on skill development, instructional practices, peer coaching, rules, terminology, offensive and defensive strategies, team organization, game play, referee skills, skills assessment, and conditioning for field sports. Restricted to majors or minors in Exercise and Sports Science, Coaching, or Health and Fitness Management.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1175. Beginning Jogging and Conditioning.
This course presents the proper biomechanics of jogging, safety rules, and conditioning principles relevant to the activity. Course topics include warming-up and cooling-down, hydration, monitoring and modifying intensity, training for road races, and jogging-related injuries. Students will also learn how to train individuals entering into a jogging program. Restricted to majors or minors in Exercise and Sports Science or Health and Fitness Management.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1176. Beginning Tennis, Badminton, and Other Racket Sports.
This course prepares Exercise and Sports Science majors to be proficient instructors of racket sports, including tennis and badminton, The emphasis is on the fundamentals of racket sports and program development for the beginner. Restricted to majors or minors in Exercise and Sports Science, Health and Fitness Management, or Coaching.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1178. Beginning Volleyball and Basketball.
This course prepares students to become proficient instructors of volleyball and basketball. Emphasis is on skill development, instructional practices, peer coaching, rules, terminology, offensive and defensive strategies, team organization, communication, game play, referee skills, skills assessment, and conditioning for volleyball and basketball. Restricted to majors or minors in Exercise and Sports Science, Health and Fitness Management, or Coaching.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1179. Beginning Weight Training.
This course prepares students to be proficient instructors of all forms of resistance training. Emphasis is on understanding the proper, safe, and effective techniques of weight lifting. Students will learn how to develop resistance-training programs for untrained individuals with a variety of conditions. Restricted to majors or minors in Exercise and Sports Science, Athletic Training, or Health and Fitness Management.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1201. Group Exercise Instructor Training.
This course is for students interested in becoming certified group exercise instructors. Students will learn how to safely and effectively conduct group exercise classes. Students will be trained to teach a variety of formats, such as high- and low-impact aerobics, step aerobics, kickboxing, yoga, and resistance training. Prerequisite: Major in Health and Fitness Management or consent of the instructor.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ESS 1298. Foundations of Sports Medicine.
This introductory course provides an essential foundation for students beginning their course of study in the field of sports medicine. Students will understand key principles of professionalism, responsibilities, ethics and legal aspects, scope of practice, and health care job opportunities in the careers of sports medicine.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1310. Introduction to Teaching Physical Education.
This course is designed to provide pre-service physical educators an introduction to fundamental principles of teaching physical education in K-12 settings. Progressive steps in developing a basic understanding of pedagogical skills, physical education curriculum, and professional attributes needed to pursue the teaching profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 2320. Motor Development.
This course provides the exercise science and physical education student with a knowledge base in the study of changes in motor behavior across the lifespan, the processes that underlie these changes, and factors that affect them. Prerequisite: Major or minor in Exercise and Sports Science.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3117. Laboratory in Exercise Physiology.
In this laboratory course, students perform experiments that highlight the physiological responses to exercise. This course also introduces students to basic techniques in the assessment of health and human performance, including the assessment of maximal oxygen consumption, body composition, anaerobic power and capacity, muscular fitness, movement economy, and dietary intake. Prerequisites: BIO 2430, or BIO 2451 and BIO 2452, all with a grade of "C" or better. Co-requisite: ESS 3317 with a grade of "D" or better. An overall GPA of 2.5 or higher is required.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3303. Assistant Dive Instructor.
This course provides students with the technical knowledge necessary to prepare for the Assistant Diver Instructor Scuba Certification. Topics include advanced diving physiology, air station operations, assisting instructors with beginning open-water dive students, and boat diving operations. Prerequisite: PFW 1201 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3304. Divemaster.
This course provides students with the technical knowledge necessary to prepare for the National Association of Underwater Instructors Divemaster Scuba Certification. Topics include advanced diving physiology, organizing open-water dives, air station operations, assisting instructors with beginning and advanced open-water dive students, and boat diving operations. Prerequisite: Assistant Instructor Certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3317. Exercise Physiology.
Students learn the acute and chronic physiological responses to exercise. Emphasis is on muscle bioenergetics, muscle contractile properties, performance improvement through training and supplementation, as well as cardiopulmonary and endocrine responses to exercise. Prerequisites: BIO 2430, or BIO 2451 and BIO 2452, with grades of "C" or better. An overall GPA of 2.5 or higher is required. Co-requisite: ESS 3117 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

ESS 3319. Introduction to Cardiopulmonary Exercise Physiology.
This course introduces students to the cardiovascular and pulmonary systems, discusses the physiological dynamics, control mechanisms, and system interrelationships of the cardiovascular and pulmonary systems, and explores the effects of exercise on these systems, including the physiological factors that limit exercise tolerance across the spectrum of health and chronic disease. Prerequisite: BIO 2430, or BIO 2451 and BIO 2452; with grades of "C" or higher, ESS 1101, and Overall GPA of 2.5 or higher is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3320. Biomechanics.
This course provides an introduction to the mechanical foundations of anatomical function and human movement. Qualitative and quantitative biomechanical analyses of human movement are introduced to inform the prescription of technique, equipment, and training interventions. Prerequisites: BIO 2430, or BIO 2451 and BIO 2452, all with a grade of "C" or better. An overall GPA of 2.5 or higher is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3321. Teaching Elementary Children Physical Activity.
This course introduces students majoring in Elementary Education and/or Exercise and Sports Science to physical education knowledge and movement concepts. It provides innovative techniques for incorporating physical activity within the elementary school setting. The course presents theory and then guides the students in applying those theories in a practical way.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3323. Psychosocial Aspects of Exercise and Sport Science.
This course examines the psychological and social theories and and research related to physical activity. Emphasis is on the determinants that influence exercise behavior and sport participation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3325. Applied Assessment of Physical Activity.
This course is designed to provide students with a theory to practice approach in the assessment of physical activity within the physical education setting. Particular emphasis is placed on empowering students to use relevant and meaningful physical activity assessments in K-12 schools. Prerequisites: ESS 1310 and ESS 2320. Restricted to majors seeking all level Teacher Certification in Physical Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3329. Motor Learning.
This course provides students with an understanding of the physiological, neurological, and psychological factors affecting performance and acquisition of motor skills. Students will examine the structural components underlying the learning of motor skills an draw upon examples from sport, physical activities, and rehabilitation. Prerequisite: Overall GPA of 2.5 or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3340. Theory and Principles of Coaching.
This course examines the theories and principles of effective coaching, including philosophy, ethics, strategies, team motivation and organization, coah-athlete relationships, performance analysis, and the administration of facilities, personnel, and contests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4317. Fitness Assessment and Programming for Healthy Populations.
Students are presented with current information on fitness assessment and exercise programming for healthy individuals of all ages and fitness levels. Emphasis is placed on preparation for multiple certifications offered by relevant professional organizations. Prerequisites: ESS 3117 and ESS 3317; all with grades of "C" or better; an Overall GPA of 2.5 or higher is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4318. Fitness Assessment and Programming Practicum for Healthy Populations.
During this 80-hour practicum, students will acquire advanced knowledge and skills associated with appraising health risk, assessing fitness levels, and designing exercise programs for diverse populations through on-line, classroom, and laboratory settings as well as through field-based experiences by working in a variety of venues. Prerequisite: ESS 3117 and ESS 3317, all with grades of "C" or better and Overall GPA of 2.5 or higher is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4319. Fitness Assessment and Programming in Clinical Exercise Science.
This course provides students with an opportunity to develop knowledge, skills, and competence required to assess and prescribe exercise for clinical populations and to gain knowledge related to managed care and rehabilitation with clinical patients. Prerequisites: ESS 3117 and ESS 3317 both with grades of "C" or better and Overall GPA of 2.5 or higher is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4320. Resistance Training and Conditioning.
This course discusses the development and evaluation of training principles and programs for diverse populations. Emphasis is placed on physiological adaptations and mechanical principles related to the application of resistance training. Prerequisites: BIO 2430, or BIO 2451 and BIO 2452; ESS 3317 and ESS 3117, all with a grade of "C" or better. An overall GPA of 2.5 or higher is required.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ESS 4321. Fitness Assessment and Programming Practicum in Clinical Exercise Science.
This course presents current exercise and sports science information on testing and programming for clinical populations. This course provides fundamental knowledge, competence, and skills necessary to conduct safe and valid assessments, interventions, and rehabilitation programs for patients with health problems. Students will spend 80 hours at a practicum site. Prerequisite: ESS 1101, ESS 3117, ESS 3317, and ESS 3319, all with grades of "C" or higher and Overall GPA of 2.5 or higher is required.
3 Credit Hours. 1 Lecture Contact Hour. 5 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4323. Adapted Physical Education.
This introductory course provides All-Level teacher certification candidates in Exercise and Sports Science with content knowledge on legal mandates, evidence-based practices, and the characteristics of selected disabilities and their considerations when designing meaningful individualized physical activity experiences to meet the students with disabilities in school settings. Prerequisites: ESS 1310, ESS 2320 and 2.75 overall GPA. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ESS 4324. Adapted Physical Activity.
This course introduces students to the field of adapted physical activity, including sport and leisure for persons with disabilities. This course provides content knowledge on how to instruct physical activities to individuals with unique needs in various settings. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ESS 4333. Fitness Assessment and Programming for Populations Requiring Special Considerations.
This course provides practical information on fitness assessment and programming for persons requiring special considerations due to their age, pregnancy, obesity, diabetes, low back pain or other health conditions. Prerequisite: ESS 1101, ESS 3117 and ESS 3317, all with grades of "C" or higher and Overall GPA of 2.5 or higher is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4337. Independent Study in Exercise and Sports Science.
This course is for students who are interested in research related to Exercise and Sports Science. Students develop a research study, collect data, and analyze the results. Repeatable for credit with different emphasis. Prerequisites: A minimum GPA of 3.00 and special approval.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ESS 4340. Internship in Coaching.
This 220-hour internship provides students with work-related experience. Students will strengthen their coaching-related knowledge, skills, and abilities by observing and shadowing coaches as well as assisting with a range of tasks, including training athletes, managing the facilities, and organizing practices, Prerequisites: completion of all coursework required for the minor in Coaching and special approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 4351. Measurement & Evaluation in Exercise and Sports Science.
This course introduces students to the fundamental principles and techniques of measuring human performance related to Exercise and Sports Science, as well as evaluating and interpreting the results of exercise science and human performance tests in children and adults. Prerequisite: Overall GPA 2.5 or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4624. Principles and Practices for Teaching Physical Education.
This course provides students with an in-depth study of theory and curriculum encompassing the design and imlementation of developmentally appropriate and culturally responsive physical education programs for children and adolescents. Emphasis is on implementing evidenced-based curricula that promote youths' enjoyment of and participation in lifelong physical activity. Prerequisites: ESS 1310 and ESS 2320 and ESS 3325, all with a grade of "D" or better, and 2.75 overall GPA.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4660. Exercise and Sports Science Internship.
In this 400-hour internship, students will apply theoretical health and fitness management principles and concepts to an organizational setting. This course requires students to participate in a health and fitness organization/agency and complete a semester-long planning and evaluation project. Prerequisites: Completion of all other coursework required for the degree, department approval, and an overall GPA of 2.5 or higher. (WI).
6 Credit Hours. 0 Lecture Contact Hours. 25 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ESS 4661. Internship in Clinical Exercise Science.
This course places the student in a professional work environment to apply the concepts of exercise rehabilitation in a cardiac care, respiratory therapy, or other healthcare setting, under the supervision of professionals in the field. Students are required to spend 400 hours in this internship position. Prerequisite: ESS 4319 and ESS 4321, all with a grade of "C" or better; department approval; and an Overall GPA of 2.5 or higher.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Courses in Physical Fitness/Wellness (PFW)

PFW 1101. Lifetime Fitness & Wellness.
To develop knowledge, skills, and physical activity behaviors associated with personal fitness and wellness.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110A. Aerobic Conditioning.
This course covers a variety of aerobic conditioning formats.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110B. Group Fitness.
This course will include various types of aerobic/cardio exercise formats.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110C. Gymnastics.
Gymnastics.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110D. Balance & Tumbling.
Balance & Tumbling.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110E. Beginning Jogging & Conditioning.
Beginning Jogging/Conditioning.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110F. Fitness Conditioning.
This course covers basic fitness conditioning principles and activities.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110G. Beginning Weight Lifting.
Beginning Weight Lifting.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110K. Restricted Fitness Activities.
Restricted Fitness Activities.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1114A. Principles and Practice of Cross-Training.
This course is designed for students prepared to undertake advanced physical training to achieve advanced fitness goals. Students perform cross-training, survey the exercise science foundations of cross-training, test and design a personalized evidence-based programs.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PFW 1114B. Military Physical Fitness Training.
This course is designed to expose students to a military-style physical fitness program of running, calisthenics and cross training. It is designed to test and improve students' physical fitness levels and prepare them to take and pass the official Air Force Physical Fitness Assessment.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PFW 1114C. Ranger Challenge Military Fitness Training.
This course is designed to expose students to vigorous and challenging military style conditioning for special events of elite military units like the Army Rangers. The course will prepare students to compete for the opportunity to represent Texas State Army ROTC program during the annual national Ranger Challenge competition.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PFW 1114D. YMCA Lifeguard Training.
This course provides the knowledge and skill necessary to be lifeguard. Successful students will be certified in ASHI for lifesaving, CPR Pro, and basic first aid. Students must pass a physical skills test prior to the class and must be at least 16 years of age.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

PFW 1125A. Wrestling.
Wrestling.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1130A. Beginning Basketball.
Beginning Basketball.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1130B. Soccer.
Soccer.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1135B. Aquatic-Conditioning.
Aquatic-Conditioning.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140A. Football Varsity.
Football Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140B. Basketball–Men's Varsity.
Basketball–Men's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140C. Basketball–Women's Varsity.
Basketball–Women's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140D. Track & Field–Men's Varsity.
Track & Field–Men's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140E. Track & Field–Women's Varsity.
Track & Field–Women's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140F. Volleyball – Women's Varsity.
Volleyball – Women's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140G. Baseball–Men's Varsity.
Baseball–Men's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140H. Softball–Women's Varsity.
Softball–Women's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140I. Soccer-Women's Varsity.
Soccer-Women's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1149. Strutters.
Strutters.
1 Credit Hour. 1 Lecture Contact Hour. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1150B. Beginning Bowling.
Beginning Bowling.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1150C. Intermediate Bowling.
Intermediate Bowling.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1150D. Beginning Golf.
Beginning Golf.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1150F. Self Defense.
Self Defense.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1150G. Restricted Leisure Activities.
Restricted Leisure Activities.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1154. Leisure/Recreation Activities.
Leisure/Recreation Activities.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Header
Grade Mode: Standard Letter

PFW 1154B. Challenge Course Facilitation.
This course provides an overview of leadership theories and skill development for indoor/outdoor challenge course activities, with an emphasis on safety management. Students will develop skills necessary to facilitate either high or low elements of a challenge course. May be repeated once with different emphasis for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1154C. Backpacking.
Backpacking.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155A. Indoor Racket Sports.
This course provides an introduction to badminton, racquetball, and pickleball.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155B. Beginning Fencing.
Beginning Fencing.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155D. Advancd Fencing.
Advancd Fencing.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155G. Racquetball.
Racquetball.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155H. Beginning Tennis.
Beginning Tennis.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155I. Intermediate Tennis.
Intermediate Tennis.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155J. Judo.
Judo.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155K. Beginning Karate.
Beginning Karate.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155M. Advanced Karate.
Advanced Karate.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155N. Pocket Billiards.
Pocket Billiards.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1160B. Beginning Volleyball.
Beginning Volleyball.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1160C. Intermediate Volleyball.
Intermediate Volleyball.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1165A. Golf–Men's Varsity.
Golf–Men's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1165C. Tennis–Women's Varsity.
Tennis–Women's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1165D. Golf – Women's Varsity.
Golf – Women's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1165E. Varsity Cheerleaders.
Varsity Cheerleaders.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1180J. Beginning Recreational Dance.
Beginning Recreational Dance.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DANC 1122

PFW 1190A. Canoeing.
Canoeing.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1190B. Beginning Swimming.
Beginning Swimming.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1190C. Intermediate Swimming.
Intermediate Swimming.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1190F. Beginning Scuba.
Beginning Scuba.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1201. Advanced Scuba Diving.
Advanced Scuba Diving.
2 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1204. Underwater Photography.
Underwater Photography.
2 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1301. Social and Behavioral Dimensions of Physical Fitness and Wellness.
Students will explore the role of physical activity in a healthy and productive society. The course focuses on social and cultural influences on motivation, values and beliefs related to physical activity, as well as the impact of physical activity on individual, community, and population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080
Grade Mode: Standard Letter

All PFW courses meet two clock hours per week for one semester hour credit unless otherwise designated.

Courses in Public Health (PH)

PH 1310. Foundations of Personal Health.
This course provides an introduction to personal health and wellness topics including nutrition, mental health, sexual health, and physical fitness with an emphasis on health trends and health behaviors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHED 1304

PH 1320. Introduction to Public Health.
This course provides students a basic understanding of U.S. and global public health systems. Students are also introduced to various public health settings, specific careers in public health, and public health certifications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 2338. Substance Use and Abuse.
This course explores the impact of substance use and abuse on personal, public, and population health. Course content includes current statistics and information on substance use and abuse issues and substance prevention interventions with a focus on public health prevention strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHED 1346

PH 2340. Community Health.
This course acquaints students with issues, trends, developments, and principles in community health. The course also provides an overview of selected topics, such as epidemiology, community organization, and program planning. Corequisite: PH 1320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3301. Environmental Health.
This course is an examination of the ecological impact resulting from contemporary sociopolitical action and its resulting influence on human health. Prerequisites: PH 1320 and PH 2340 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3315. Statistics in Public Health.
This course emphasizes analysis and interpretation of health-related data. Descriptive and inferential statistics (including measures of central tendency and variability, estimation, ANOVA, and regression) will be used to understand factors associated with current health-related issues. (WI) Prerequisites: PH 1320 and PH 2340 and [MATH 1315 or MATH 2417 or MATH 2471] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PH 3321. Health in the School Setting.
This course offers a foundation in health methods and activities to provide resources for the elementary and secondary school teacher. Provides an overview of current school health issues: Whole School, Whole Community, Whole Child model, mental health, personal health, family life, substance abuse, and violence in the school setting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3330. Inclusion and Diversity in Women's Health.
This course is designed to explore the health care concerns unique to women and to provide students with opportunities to create strategies to improve women's health. Particular attention will be given to issues that affect women in under-served populations and how to more effectively serve their needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3348. Prevention of Disease.
This course provides an overview of the etiology of communicable and chronic diseases with special emphasis on health promotion activities to reduce the incidence of disease in communities and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3350. Consumer Health.
This course focuses on consumer health and decision making with regard to the selection of health products and services. Students will learn how to effectively evaluate health information with emphasis on consumer literacy, public policy, and consumer products and services.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3360. Issues in Human Sexuality.
The course provides a study of human sexuality as a lifelong process of acquiring information and forming healthy attitudes, beliefs, and values regarding sexuality. Human sexuality's impact on personal and public health will be explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3370. Epidemiology.
This course introduces students to epidemiological concepts including determinants of health and patterns of disease in populations, population health descriptive techniques, use of health indicators and secondary data sources. Students will focus on epidemiology in community health assessment and program evaluation, and development of public health strategies and policy. Prerequisite: PH 1320 and PH 2340 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3374. Global Health.
This course focuses on principles of international health in global populations. Students explore roles of health educators collaborating with providers of health services to diverse populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3376. Worksite Health Promotion.
The purpose of this course is to introduce students to worksite health promotion. The focus of the course is on planning, implementing, and evaluating worksite health promotion programs. The course addresses other contemporary health issues, policies, and considerations that affect worksite health promotion.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 4100. Professional Development in Public Health.
This course provides the opportunity for students to obtain a community or public health promotion internship and to actively participate in professional development activities including conferences, development of resumes and interaction with health professionals. Prerequisite: Minimum 2.5 Major GPA. Corequisite: PH 4640 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 4336. Health Behavior Theory.
This course introduces students to health behavior theory, including cognitive, operant, and social theories of motivation and behavior, behavior change theory, social marketing, and social ecology. Students will also learn about the role of behavior theory in health promotion practice and public health interventions. (WI) Prerequisites: PH 1320 and PH 2340 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PH 4347. Independent Study in Public Health.
This course is designed for undergraduate students who display potential for independent research in public health. Students work individually with faculty to develop an independent research study/project in public health. Open on an individual basis by arrangement with the division chair. May be repeated for credit with different emphasis. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PH 4640. Public Health Program Planning and Evaluation.
Students apply professional knowledge and skills to the development of public health programs. Topics include needs assessment, data gathering techniques, instrument design, data and statistics, and the interpretation, reporting, and application of findings for program development. Cultural competency and communication are covered. (WI) Prerequisites: PH 1320 and PH 2340 both with grades of "C" or better and a minimum 2.5 Major GPA. Corequisites: PH 4336 with a grade of "C" or better.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PH 4660. Internship in Public Health.
This internship involves the application of public health concepts to a community or public health setting. Students participate in the work of a health organization/agency and complete a semester-long project. A minimum of 480 contact hours is required. (WI) Prerequisites: PH 4100 and PH 4640 both with grades of "C" or better and a minimum 2.5 Major GPA and instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

Courses in Recreational Administration (REC)

REC 1310. Introduction to Recreation and Leisure Services.
Introduction to recreation, includes brief historical backgrounds, professional opportunities, present status, past and present leaders. Role of leisure time in our social structure, professional responsibility, familiarization with current issues and trends, and professional literature. Lecture and field trips. A grade of “C” or better in this course is required to enroll in any upper division Recreational Administration courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHED 1336

REC 1330. Leisure and Outdoor Recreation.
This course provides students with an overview of the role the natural world plays in recreation and leisure services. The course will focus on values of outdoor recreation, adventure recreation, environmental impact, and the role of government in the provision and protection of outdoor recreation programs and resources.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 1370. Introduction to Therapeutic Recreation.
This course surveys history, philosophy, terminology and professional opportunities in therapeutic recreation. The role of leisure and therapeutic recreation in enhancing quality of life is explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 2330. Leadership in Recreation and Leisure Services.
Discussion of leadership theories and skill development for indoor-outdoor games and sports. Teaching activities to develop skill in programming various indoor/outdoor recreational settings.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

REC 2335. Recreation Program Development.
This course introduces students to basic principles and procedures for developing recreation programs that respond to human needs. This course provides students with opportunities to acquire and utilize recreation programming skills through practical application. Prerequisite: REC 1310 with a grade of "C" or better and REC 2330 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHED 1336

REC 2336. Directed Field Experience in Programming Recreation.
Students participate in programming and leadership with a selected recreation agency. Online learning modules and communications guide the work and professional reflections. Prerequisite: REC 2335 with a grade of "C" or better and a minimum 2.0 Texas State GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 2370. Practices and Interventions in Therapeutic Recreation.
Students engage in classroom content and service learning to develop knowledge and skills in facilitation techniques used in a variety of therapeutic recreation settings. Prerequisites: REC 1310 and REC 1370 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

REC 3325. Recreation Administration.
This course covers administrative practices relevant to entry-level professionals in the recreation industry. Topics include foundations of management, decision-making, planning, coordination of resources, and ethics in the public recreation sector. Prerequisite: REC 2335 with a grade of "C" or better and [MATH 1312 or MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471 or HON 2302A] with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 3335. Advanced Recreation Program Development.
Students will develop advanced program planning skills through the integration of theories and models of program development, consideration of diverse target markets, performing needs assessments, and planning for risk management issues. Students will apply these planning skills through an applied project. Prerequisite: REC 2335 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REC 3340. Design and Maintenance of Recreational Facilities.
Introduce theories and provide practical experience in the design, development, operation, maintenance, administration of various recreational facilities. Prerequisite: REC 2335 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

REC 3351. Evaluation of Leisure Service Programming.
Methods, techniques and application of the evaluation process related to a wide variety of leisure service functions: clientele and prospective participants, programs, personnel, facilities, organizations and literature. Prerequisite: REC 2335 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REC 3370. Assessment and Documentation in Therapeutic Recreation.
This course introduces students to selecting, utilizing, and interpreting assessment instruments, and to the processes used to document assessment results and client progress used in therapeutic recreation practice. Prerequisite: REC 1370 with a grade of "C" or better and HIM 2360 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4320. Therapeutic Recreation and People with Psychiatric Conditions.
Students will gain a theoretical and practical foundation for applying the therapeutic recreation process with persons with psychiatric conditions. Focus will be on the development of skills necessary to implement evidence-based interventions aimed at behavior change. Prerequisites: PSY 3300 and PSY 3315 and REC 1370 and REC 2370 and REC 3370 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4330. Entrepreneurial Recreation Management.
This course provides a study of the scope and the entrepreneurial management of leisure services. The focus will be on financial management related to profit centers including planning, legal liability, record keeping, and revenue management. Prerequisite: REC 2335 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4335. Outdoor Recreation Programming.
Students apply principles and procedures for developing and leading recreation programs in a variety of specialized, outdoor environments. Students will demonstrate competencies for Leave No Trace certification. Course is taught in cooperation with the Texas State University–Outdoor Center. Prerequisites: REC 1330 and REC 2335 both with grades of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4337. Independent Study in Recreation Administration.
This course consists of individual study related to recreation administration under direct supervision of a faculty member. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REC 4350. Theories and Methods of Supervision in Recreation and Leisure Services.
This course presents theories and methods relating to recruitment, selecting, hiring, training, disciplining, and discharging employees. This course also addresses legal issues related to personnel supervision. Prerequisite: REC 2335 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4370. Principles of Therapeutic Recreation.
This course will cover the principles of therapeutic recreation services including comprehensive program planning, administrative processes, and issues related to professionalism. Prerequisites: REC 2370 and REC 3370 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4380. Seminar in Recreation.
This capstone seminar addresses trends in leisure services. Emphasis is on the interactional effects of diverse services, consumers, and environments. Taken in the fall or spring semester immediately preceding enrollment in REC 4680 or REC 4681. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REC 4680. Internship in Recreation Administration.
This internship involves full time work (minimum 400 hours) during which a student will complete administrative tasks in an approved parks and recreation agency. The work is co-supervised by faculty and an agency representative trained in the recreation field. Prerequisites: REC 2336 and REC 3325 and REC 4380 all with grades of "C" or better and a minimum 2.25 major GPA.
6 Credit Hours. 0 Lecture Contact Hours. 30 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4681. Internship in Therapeutic Recreation.
This internship involves experiential learning over a long semester during which a student will work fulltime (a minimum of 560 hours) in a therapeutic recreation setting under direct professional supervision by a CTRS and faculty member with CTRS credentials. Prerequisites: REC 1310 and REC 1370 and REC 2335 and REC 2336 and REC 2370 and REC 3325 and REC 3370 and REC 4320 and REC 4370 and REC 4380 all with grades of "C" or better and a minimum 2.25 major GPA.
6 Credit Hours. 0 Lecture Contact Hours. 35 Lab Contact Hours.
Grade Mode: Standard Letter

Bachelor of Exercise and Sports Science (B.E.S.S.) Major in Exercise and Sports Science (Clinical Exercise Science Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The Bachelor of Exercise and Sports Science (B.E.S.S.) degree with a major in Exercise and Sports Science program is designed to prepare graduates for study towards a master's degree in Exercise Physiology, Biomechanics, or a similar field of study. Completion of this degree does not guarantee admission to a graduate program.
2. This degree program can lead to careers in cardiopulmonary, clinical exercise, and diagnostic testing and programming for cardiac rehabilitation and other special populations. Additional requirements may be necessary to enter these fields.
3. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course but will be required to earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.
4. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

Course Requirements

Freshman	Hours
AT 2356	3
MATH 1315 (Mathematics Component Code 020)[1]	3
BIO 2430[1]	4
COMM 1310 (Component Area OptionCode 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
ESS 1100	1
ESS 1101	1
ESS/PFW Major Activity[4]	1
ESS/PFW Major Activity[4]	1
H ED 1320	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
US 1100	1
	33

Sophomore	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
ENG Literature (Component Area Option Code 090/094)	3
ESS 1179	1
H ED 2340	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
Life & Physical Sciences Component Code 030[3]	4
Life & Physical Sciences Component Code 030[3]	4
NUTR 3362[1]	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Social & Behavioral Sciences Component Code 080	3
	33

Junior	Hours
Clinical Elective[5]	3
AT 3358	3
ENG 3303	3
ESS 3317	3
ESS 3117	1
ESS 3320	3
ESS 3329	3
ESS 4320	3
ESS 4351	3
H ED 4336	3
Life and Physical Sciences[3]	4
PH 4100	1
	33

Senior	Hours
ESS 3319	3
ESS 4321	3
ESS 4319	3
ESS 4661	6
Clinical Elective Choose 2[5]	6
	21

Total Hours: 120

[1] While not recommended, previously completed courses in some areas can be substituted for the following degree requirements:
- MATH 1319 or MATH 2321 or MATH 2417 or MATH 2471 can satisfy the MATH 1315 requirement.
- BIO 2451 and BIO 2452 can be used together to satisfy the BIO 2430 requirement.
- NUTR 2360 can satisfy the NUTR 3362 requirement.

[2] Students must complete H ED 4660 or ESS 4660. A 2.5 Overall GPA is required to enroll in this internship. All other coursework must be completed prior to the internship.

[3] Life and Physical Sciences courses must be chosen from: BIO 1330, BIO 1130, CHEM 1341, CHEM 1141, CHEM 1342, CHEM 1142, PHYS 1315, PHYS 1115, PHYS 1325, and PHYS 1125. Students must take 12 hours (i.e. three courses and three corresponding labs).

[4] ESS/PFW Major Activity courses must be chosen from: ESS 1172, ESS 1175, ESS 1176, ESS 1178, PFW 1110A, PFW 1110B, PFW 1110E, PFW 1110F, PFW 1110G,PFW 1130B, PFW 1135B, PFW 1155A, PFW 1155G, PFW 1155H, PFW 1155I, PFW 1160B, PFW 1160C, PFW 1190B, and PFW 1190C.

[5] Clinical Elective courses must be chosen from: ESS 4333, ESS 4324, H ED 3348, HIM 2360, and NUTR 3364, PSY 3336

Bachelor of Exercise and Sports Science (B.E.S.S) Major in Exercise and Sports Science (Pre-Rehabilitation Sciences Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The Bachelor of Exercise and Sports Science (B.E.S.S.) degree with a major in Exercise and Sports Science is a 120 credit-hour degree program and blends rigorous basic sciences, athletic training, and exercise science courses relevant to physical rehabilitation. The main focus of this pre-professional program is to combine the prerequisite coursework required for entrance to a graduate-level allied health program with quality support courses from the Athletic Training and Exercise and Sports Science programs. This degree program will prepare students for several other graduate programs such as: Physical Therapy, Athletic Training, Occupational Therapy, Chiropractic, Physician Assistant, Orthotic/Prosthetic, and Exercise Physiology.
2. Graduate-level programs may require additional or modified prerequisite coursework for admission not included in this program. Students are ultimately responsible for knowing and completing prerequisite requirements for professional graduate programs of interest. Completion of this program does not guarantee admission to a graduate program.
3. Students are advised to follow the approved 4-year academic plan provided by the College of Education Advising Center. Students must enroll in AT 3311/AT 3111 prior to enrolling in AT 3312/AT 3112, as AT 3311/AT 3111 are prerequisites. Students are eligible to enroll in AT 4313/AT 4113 after AT 3311/AT 3111 and AT 3312/AT 3112 have been completed.
4. A 2.75 Texas State GPA is required to graduate.
5. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course, but will be required to earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.
6. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
7. Students in the Pre-Rehabilitation Sciences program must establish and maintain at least a 2.75 Texas State GPA in order to enroll in the following courses:

Code	Title	Hours
AT 3311	Clinical Assessment I	3
AT 3111	Clinical Assessment I Laboratory	1
AT 3312	Clinical Assessment II	3
AT 3112	Clinical Assessment II Laboratory	1
AT 4313	Clinical Therapeutic Interventions	3
AT 4113	Clinical Therapeutic Interventions Lab	1
AT 4360	Internship in Clinical Settings [2]	3

Course Requirements

Freshman	Hours
AT 2356	3
MATH 1315 (Mathematics Component Code 020)[3]	3
CHEM 1341 (Life & Physical Sciences Component Code 030)	3
CHEM 1141	1
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
HIM 2360	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
PSY 1300 (Social & Behavioral Sciences Component Code 080)	3
US 1100	1
Prescribed Elective	4
	30
Sophomore	**Hours**
BIO 2430[3]	4
HIST 1310 (American History Component Code 060)	3
CHEM 1342 (Life & Physical Sciences Component Code 030)	3
CHEM 1142	1
COMM 1310 (Component Area Option Code 090/091)	3
ESS 3317	3
ESS 3117	1
ESS 3320	3
ESS 3329	3
POSI 2310 (Government/Political Science Component Code 070)	3

POSI 2320 (Government/Political Science Component Code 070)	3
	30

Junior	Hours
AT 2400	4
AT 3311	3
AT 3111	1
AT 3312	3
AT 3112	1
AT 3358	3
ESS 1179	1
NUTR 3362 or 3364[3]	3
PHYS 1315	3
PHYS 1115	1
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Prescribed Electives[1]	4
	30

Senior	Hours
AT 4313	3
AT 4113	1
ESS 4317	3
HIST 1320 (American History Component Code 060)	3
PHYS 1325	3
PHYS 1125	1
PSY 3300 or 3315	3
ENG Literature (Component Area Option Code 090/094)	3
Select one of the following:	3
HP 3302[3]	
PSY 2301	
SOCI 3307	
Prescribed Electives[1]	7
	30

Total Hours: 120

1 Prescribed Elective courses must be chosen from: ANTH 3311, AT 2156, AT 2260, AT 4360, BIO 1130, BIO 1131, BIO 1330, BIO 1331, BIO 2400, BIO 2440, BIO 2450, BIO 3421, BIO 4326, CHEM 2341, CHEM 2141, CHEM 2342, CHEM 2142, CHEM 4375, ENG 3303, ESS 1128, ESS 1298, ESS 3323, H ED 3348, PT 3400, PSY 3322, REC 1310 or REC 1370, SOCI 1310, SOCI 3363.

2 AT 4360 is a highly recommended elective. It is suggested that it be taken after AT 3312 and AT 3112.

3 While not recommended, previously completed courses in some areas can be substituted for the following degree requirements:

- BIO 2451 and BIO 2452 can be used together to satisfy the BIO 2430 requirement.
- NUTR 2360 can satisfy the NUTR 3362 or NUTR 3364 requirement.
- HP 3325 can satisfy the HP 3302 requirement.
- Any course approved for 020 General Education Core Curriculum except for MATH 1316, can satisfy the MATH 1315 requirement.

Bachelor of Exercise and Sports Science (B.E.S.S.) Major in Exercise and Sports Science (Teacher Certification in Physical Education, Early Childhood Through Grade 12)

Minimum required: 125 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. A minor or second teaching field is required and must not be a minor in Exercise and Sports Science or a minor in Coaching Athletics. Courses toward a second teaching field are recommended to improve job opportunities. The degree plan below is based on an 18-hour minor or second teaching field. Certain minors and second teaching fields may increase the total number of credit hours required for degree completion. Consult an academic advisor for a list of available second teaching fields and recommended minors.
2. A 2.5 Major GPA and an Overall GPA of 2.75 is required to graduate. If declared, a 2.5 GPA is required within the second teaching field and a 2.0 is required within the minor to graduate.
3. All Major as well as Pedagogy and Professional Responsibility courses must be completed with a grade of "C" or better.
4. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course, but will be required to earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.
5. To complete the predetermined sequence of courses in 4 years, students will most likely need to attend summer sessions.
6. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
7. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3

ENG 1320 (Communication Component Code 010)	3
ESS 1100	1
ESS 1310	3
MATH 1315 (Mathematics Component Code 020)[1]	3
Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
US 1100	1
	32

Sophomore	Hours
AT 2356	3
BIO 2430[1]	4
ENG Literature (Component Area Option Code 090/094)	3
ESS 1179	1
ESS 2320	3
ESS/PFW Major Activity Team Sports[2]	1
ESS/PFW Major Activity Individual Sports[2]	1
ESS/PFW Major Activity Conditioning[2]	1
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
Minor or Second Teaching Field	3
Minor or Second Teaching Field	3
Minor or Second Teaching Field	3
Social & Behavioral Sciences Component Code 080	3
	35

Junior	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
ESS 3320	3
ESS 3325	3
ESS 3317	3
ESS 3117	1
ESS 3329	3
Minor or Second Teaching Field	3
Minor or Second Teaching Field	3
Education Core:	6
CI 3325	
CI 4332	
H.S. Field-Based Block:	9
CI 4343	
CI 4370	
RDG 3323	
	37

Senior	Hours
ESS 4323	3
ESS 4624	6
ESS Advanced Elective[3]	3
Minor or Second Teaching Field	3
EDST 4380	3
EDST 4381	3
	21

Total Hours: 125

1 While not recommended, previously completed courses in some areas can be substituted for the following degree requirements:
- Any course approved for 020 General Education Core Curriculum, except MATH 1316, can satisfy the MATH 1315 requirement.
- BIO 2451 and BIO 2452 can be used together to satisfy the BIO 2430 requirement.

2 ESS/PFW Activity. Students are required to take three ESS/PFW Major Activity courses in the following specific areas: Team Sports, Individual Sports, and Conditioning.
- Team Sports course must be chosen from: ESS 1172, ESS 1177, and ESS 1178.
- Individual Sports course must be chosen from: ESS 1128, ESS 1176, and ESS 1192.
- Conditioning course must be chosen from: ESS 1175, PFW 1110A, PFW 1110B, PFW 1110F, PFW 1135B, and PFW 1190B.

3 ESS Advanced Elective course must be chosen from: ESS 3321, ESS 3323, ESS 3340, and ESS 4337.

Bachelor of Exercise and Sports Science (B.E.S.S.) Major in Health and Fitness Management

Minimum required: 120 semester credit hours

General Requirements

1. Students must complete a minor in Business Administration, which includes the following courses. An Overall GPA of 2.0 or higher is required to enroll in advanced Business courses. A 2.0 GPA in the minor is required to graduate.

Code	Title	Hours
ECO 2301	Principles of Economics	3
ACC 2301	Accounting in Organizations and Society	3
Select 12 elective hours from the following:		12
BLAW 2361	Legal Environment of Business	
CIS 3317	E-Business	
FIN 3325	Personal Financial Management	
MGT 3303	Management of Organizations	

MKT 3343	Principles of Marketing	
Total Hours		18

2. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course but will be required to earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.
3. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

Course Requirements

Freshman	Hours
AT 2356	3
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
ESS 1201	2
Life & Physical Sciences Component Code 030[3]	6
Life & Physical Sciences lab[3]	1
MATH 1319 (Mathematics Component Code 020)[1]	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
US 1100	1
ESS 1101	1
	32

Sophomore	Hours
ACC 2301[1]	3
BIO 2430[1]	4
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
ECO 2301[1]	3
ENG Literature (Component Area OptionCode 090/094)	3
ESS 1100	1
ESS 1179	1
ESS/PFW Major Activity[6]	1
ESS/PFW Major Activity[6]	1
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
PSY 1300, PFW 1301, or SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3
	32

Junior	Hours
ESS 3317	3
ESS 3117	1
ESS 3320	3
ESS 3329	3
ESS 4320	3
ESS 4351	3
H ED 3376	3
Major Elective[4]	3
Major Elective[4]	3
Minor Elective	3
Minor Elective	3
Support Elective[5]	3
	34

Senior	Hours
ESS 4317	3
ESS 4318	3
Minor Elective	3
ESS 4333	3
Minor Elective	3
ESS 4660[2]	6
PH 4100	1
	22

Total Hours: 120

1 While not recommended, previously completed courses in some areas can be substituted for the following degree requirements:
- MATH 1315 or MATH 2321 or MATH 2417 or MATH 2471 can satisfy the MATH 1319 requirement.
- BIO 2451 and BIO 2452 can be used together to satisfy the BIO 2430 requirement.
- ACC 2361 and ACC 2362 can be used together to satisfy the ACC 2301 requirement.
- ECO 2314 and ECO 2315 can be used together to satisfy the ECO 2301 requirement.

2 Students must complete ESS 4660. A 2.5 Overall GPA is required to enroll in the internship. All other coursework must be completed prior to the internship.

3 Life and Physical Sciences Component Code 030 courses must be chosen from: BIO 1330, CHEM 1341, CHEM 1342, PHYS 1315, and PHYS 1325. The Life and Physical Sciences lab must be chosen from: BIO 1130, CHEM 1141, CHEM 1142, PHYS 1115, and PHYS 1125.

4 Major Elective courses must be chosen from: ESS 3319, ESS 3323, ESS 3340, ESS 4324, and REC 4330.

5 Support Elective course must be chosen from: NUTR 3362, NUTR 3364, PSY 3336, PSY 3350, and PSY 3361.

[6] ESS/PFW Major Activity courses must be chosen from: ESS 1172, ESS 1175, ESS 1176, ESS 1178, PFW 1110A, PFW 1110B, PFW 1110E, PFW 1110F, PFW 1110G, PFW 1130B, PFW 1135B, PFW 1155A, PFW 1155G, PFW 1155H, PFW 1155I, PFW 1160B, PFW 1160C, PFW 1190B, and PFW 1190C.

Bachelor of Science (B.S.) Major in Athletic Training

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Science (B.S.) degree with a major in Athletic Training requires admission to the university and admission to the program. Information about the program admissions can be found at: http://www.hhp.txstate.edu/Undergraduate/Athletic-Training/Undergraduate-Professional-Program-in-Athletic-Training-Admission-Policy.html
2. The Athletic Training program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Students desiring admission must first declare the Athletic Training major and complete the preliminary requirements for the Athletic Training major at Texas State University in order to become eligible to be admitted to the Athletic Training program cohort. Once per year, in June, following the completion of a year-long competitive admissions process, the top 20 ranked applicants are offered admission to the Athletic Training program cohort.
3. Students admitted to the Athletic Training program cohort must be committed to taking the Board of Certification's national examination, as well as the Texas Advisory Board of Athletic Trainers' state licensure examination during the last semester prior to graduation.
4. To be considered as a candidate for admission to the Athletic Training program cohort, students must complete AT 1298, AT 2156, AT 2260, AT 2356, and BIO 2430 with grades of B or better, and:
   - Participate in the competitive admission process that includes the five prerequisite courses mentioned above, a completed application (due annually on April 1), and an admissions interview in early May.
   - Establish and maintain a minimum Texas State GPA of 2.75.
   - Complete 50 hours of directed Athletic Training observation as part of AT 1298.
   - Hold current Emergency Cardiac Care (ECC) certification in CPR/AED at the Professional Rescuer level.
5. The six-component objective formula used to rank applicants for admission to the Athletic Training program cohort is available to view at http://www.hhp.txstate.edu/Undergraduate/Athletic-Training/Undergraduate-Professional-Program-in-Athletic-Training-Admission-Policy.html
6. The required Technical Standards for the Athletic Training program are available at the department website listed, in the AT 1298 Policy and Procedures Manual, and from the program director.

General Requirements

1. Students accepted into the Athletic Training program cohort must provide current immunization records to the Texas State Student Health Center.
2. Students must maintain at least a Texas State GPA of 2.75 at all times while pursuing the degree, and in order to graduate.
3. The Athletic Training clinical education requirement at Texas State involves the completion of six long-semester courses over a three-year period that can only be completed at Texas State University. Each of the six clinical education courses in our program involve 2 contact hours per week with a classroom instructor and approximately 20 contact hours of supervised clinical education experiences at various on-campus or off-campus clinical sites.
4. Students are advised to follow the approved 4-year academic plan provided by the College of Education Advising Center. Students are advised to complete AT 3326/AT 3126 prior to enrolling in AT 3328/AT 3128. Students should not complete both AT 3326/AT 3126 and AT 3328/AT 3128 in the same semester. Students should enroll in AT 3336/AT 3136 after AT 3326/AT 3126 and AT 3328/AT 3128 have been completed.
5. Students contemplating transfer should expect to spend four (4) years at Texas State in order to complete the Athletic Training program.
6. Upon completion of the Athletic Training program, the graduate will be qualified to take the Board of Certification's national examination and the Texas Advisory Board of Athletic Trainers' state licensure exam.
7. Athletic Training does not constitute a teaching field. If you are interested in an All-Level Physical Education Teacher Certification, contact the College of Education Undergraduate Advising Center.
8. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course but will be required to earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.
9. To complete the predetermined sequence of courses in 4 years, students will most likely need to attend summer sessions.
10. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

Course Requirements

Freshman	Hours
AT 1298	2
AT 2156	1
AT 2260	2
AT 2356	3
Select one of the following options:	4
Option 1:	
BIO 1330 (Life & Physical Sciences Component Code 030)	
BIO 1130	
Option 2:	
BIO 1421 (Life & Physical Science Component Code 030)[1]	
BIO 2430[1]	4
COMM 1310 (Component Area Option Code 090/091)	3

ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
ESS 1128	1
MATH 1315 or 1319 (Mathematics Component Code 020)[1]	3
PSY 1300 (Social & Behavioral Sciences Component Code 080)	3
US 1100	1
	33

Sophomore	Hours
AT 2397	3
AT 2398	3
AT 3326	3
AT 3126	1
AT 3328	3
AT 3128	1
AT 3336	3
AT 3136	1
AT 3333	3
ESS 3320	3
NUTR 3362 or 3364	3
	27

Junior	Hours
AT 3346	3
AT 3146	1
AT 3497	4
AT 3498	4
ESS 1179	1
ESS 3317	3
ESS 3117	1
ESS 4351	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
PT 3400	4
	30

Senior	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
AT 4356	3
AT 4497	4
AT 4498	4
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
PHYS 1315 (Life & Physical Sciences Component Code 030)	3
PHYS 1115	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
	30

Total Hours: 120

[1] While not recommended, previously completed courses in some areas can be substituted for the following degree requirements:
- MATH 2417 or MATH 2471 can satisfy the MATH 1315 or MATH 1319 requirement.
- BIO 2451 and BIO 2452 can be used together to satisfy the BIO 2430 requirement.
- BIO 1321 with a grade of "C" or better can satisfy the BIO 1421 requirement.

Bachelor of Science (B.S.) Major in Public Health

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language.
5. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
6. Majors must complete all Public Health (PH) courses with a grade of "C" or better.

Course Requirements

Freshman			
First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[3]	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
HIST 1310 (American History Component Code 060)	3	HIST 1320 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	POSI 2320 (Government/ Political Science Component Code 070)	3

PH 1310	3	PH 1320	3
US 1100	1	PH 2340	3
	16		18

Sophomore

First Semester	Hours	Second Semester	Hours
Life & Physical Sciences Component Code 030	3	CJ 3347, HP 3302, PH 3315, PSY 2301, or SOCI 3307	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	PH Elective[1]	3
Social & Behavioral Sciences Component Code 080	3	Life & Physical Sciences Component Code 030	3
PH 3348	3	COMM 1310 (Component Area Option 090/091)	3
PH Elective[1]	3	ENG Literature (Component Area Option Code 090/094)	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
PH 3350	3	PH 3301	3
PH 3370	3	PH 4336	3
Minor	6	Minor	6
Support Electives[2]	6	Support Electives[2]	4
	18		16

Senior

First Semester	Hours	Second Semester	Hours
PH 4100	1	PH 4660	6
PH 4640	6		
Minor	6		
Support Elective[2]	3		
	16		6

Total Hours: 120

1 PH Electives may be chosen from the following: PH 2338, PH 3321, PH 3330, PH 3360, PH 3374, PH 3376, PH 4347

2 Support Electives may be chosen from the following: ANTH 3325, BIO 2430, BIO 2440, BIO 2451, BIO 2452, CA 3342, COMM 3318J, COMM 3319, COMM 3336, COMM 4326, CS 1308 or CIS 1323, ENG 3303, FCD 1351 or PSY 3300, HA 3309, HA 3329, HA 3341, HA 3347, HIM 3350, MGT 3303, MGT 4373, MGT 4375, MGT 4390R, MKT 3343, NUTR 2360 or NUTR 3362, NUTR 3364, PA 3330, PA 4340, PFW activity, PH 2338, PH 3321, PH 3330, PH 3360, PH 3374, PH 3376, PH 4347, PSY 3350, PSY 3361, SOCI 3349, SOCI 3363, SOCI 3375L, SOCI 3383, SOCI 3384, TECH 4380

3 Any course approved for 020 General Education Core Curriculum, except MATH 1316 can satisfy the requirement.

Bachelor of Science (B.S.) Major in Recreation Administration

Minimum required: 120 semester credit hours

General Requirements

1. Graduates are prepared to take the national examination to obtain the Certified Park and Recreation Professional certification endorsed by the National Recreation and Park Association.
2. Students must complete 20 elective hours, 12 of which must be advanced; elective hours may be satisfied through coursework earned toward a declared minor. Consult with an academic adviser for recommendations.
3. Students should be aware that some REC courses may only be offered once a year, during a Fall or Spring semester.
4. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course but will be required to earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.
5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
MATH 1315 (Mathematics Component Code 020)[1]	3
Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3
PSY 1300 or SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3
REC 1310	3
REC 1330	3
REC 2330	3
US 1100	1
	31

Sophomore	Hours
CS 1308 or CIS 1323[1]	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3

PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
REC 1370	3
REC 2335[3]	3
REC 2336[3]	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
ENG Literature (Component Area Option Code 090/094)	3
	33

Junior	Hours
Advanced Elective or Minor	3
Advanced Elective or Minor	3
Advanced Elective or Minor	3
Advanced Elective or Minor	3
REC 3325[3]	3
REC 3335	3
REC 3340	3
REC 3351	3
REC 4330	3
Select one of the following:	3
COMM 2315	
COMM 2330	
COMM 2338	
TH 3370	
Select one of the following:	3
MC 3319	
MC 3343	
MC 3355	
MC 3367	
MC 4381	
	33

Senior	Hours
Elective or Minor	3
Elective	3
Elective or Minor	2
REC 4350	3
REC 4380	3
REC 4680[2, 3]	6
Select one of the following:	3
H ED 1310	
H ED 2338	
H ED 3321	
	23

Total Hours: 120

1 Any course approved for 020 General Education Core Curriculum, except MATH 1316, can satisfy the MATH 1315 requirement.

2 All other coursework must be completed prior to students enrolling in the required internship, REC 4680.

3 Students must earn grades of "C" or better in REC 2335, REC 2336, REC 3325 and REC 4380 as partial fulfillment of gaining Departmental Approval to enroll in REC 4680.

Bachelor of Science (B.S.) Major in Recreation Administration (Therapeutic Recreation Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students entering Texas State with fewer than 16 hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course but will be required to earn an additional free elective, if needed, to reach the 120 minimum total hour requirement for the awarding of a degree.
3. Students should be aware that some REC courses may only be offered once a year, during a Fall or Spring semester.
4. Graduates are eligible to sit for examinations for the National Council for Therapeutic Recreation Certification (NCTRC) and the Certified Parks and Recreation Professional (CPRP).
5. No minor is required in this degree plan because the Therapeutic Recreation courses that are necessary for the NCTRC and CPRP certifications serve to broaden the study of the Recreation Administration major.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3
MATH 1315 (Mathematics Component Code 020)[1]	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
PSY 1300 (Social & Behavioral Sciences Component Code 080)	3
REC 1310[3]	3

REC 2330	3
US 1100	1
	31

Sophomore	**Hours**
HIM 2360	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
PSY 3300	3
PSY 3315	3
REC 1370	3
REC 2335	3
REC 2370[3]	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	33

Junior	**Hours**
BIO 2430[1]	4
CS 1308 or CIS 1323[1]	3
Elective	1
REC 2336	3
REC 3325	3
REC 3351	3
REC 3370[3]	3
REC 4350	3
ENG Literature (Component Area Option Code 090/094)	3
Select two of the following:	6
REC 1330	
REC 3340	
REC 4330	
	32

Senior	**Hours**
NCTRC Eligibility Course	3
NCTRC Eligibility Course	3
NCTRC Eligibility Course	3
REC 4320[3]	3
REC 4370[3]	3
REC 4380	3
REC 4681[2, 3]	6
	24

Total Hours: 120

1 While not recommended, previously completed courses in some areas can be substituted for the following degree requirements:
- Any course approved for 020 General Education Core Curriculum, except MATH 1316, can satisfy the MATH 1315 requirement.
- BIO 2451 and BIO 2452 can be used together to satisfy the BIO 2430 requirement.

2 All other coursework must be completed prior to students enrolling in the required internship, REC 4681. Students should be aware that this internship must be completed during a Fall or Spring semester - it cannot be completed in a Summer semester.

3 Students must earn grades of "C" or better in each TR sequence course (REC 1370, REC 2370, REC 3370, REC 4320, REC 4370) as well as in REC 4380 as partial fulfillment of requirements to gain Departmental Approval to enroll in REC 4681.

NCTRC Eligibility Courses

Code	**Title**	**Hours**
PSY 3312	Adolescent Psychology	3
PSY 3313	Psychology of Adulthood and Aging	3
PSY 3350	Cognitive Behavioral Therapies	3
PSY 3361	Health Psychology	3
SOCI 1310	Introduction to Sociology	3
SOCI 3300	Principles of Sociology	3
SOCI 3338	Family Problems	3
SOCI 3343	Criminology	3
SOCI 3347	Juvenile Delinquency	3
SOCI 3383	Aging and Society	3
SOCI 3384	The Sociology of Death and Dying	3
SPED 2360	Survey of Exceptionalities	3
SPED 3338	Educating Students with Emotional/Behavioral Disorders	3
SPED 4344	Educating Students with Mild Disabilities	3
SPED 4381	Educating Students with Intellectual and Developmental Disabilities	3
ESS 3320	Biomechanics	3
ESS 3329	Motor Learning	3

Minor in Coaching

The minor in Coaching requires 18 semester credit hours. A minor in Coaching is designed to provide basic expertise in coaching based on the NASPE national standards for sport coaches. The minor is not allowed for students majoring in Exercise and Sports Science or in Health and Fitness Management.

Code	**Title**	**Hours**
Required Courses		
AT 2356	Prevention and Care of Athletic Injuries	3
ESS 3317	Exercise Physiology	3
or ESS 3320	Biomechanics	
ESS 3323	Psychosocial Aspects of Exercise of Sport Scene	3
ESS 3340	Theory and Principles of Coaching	3
ESS 4320	Resistance Training and Conditioning	3
Choose 3 hours from the following:		3
ESS 1172	Beginning Field Sports	

ESS 1176	Beginning Tennis, Badminton, and Other Racket Sports	
ESS 1178	Beginning Volleyball and Basketball	
ESS 1179	Beginning Weight Training	
Total Hours		18

Minor in Exercise and Sports Science

The minor in Exercise and Sports Science requires 22 semester credit hours. This minor is not available to students who major in Exercise and Sports Science or in Health and Fitness Management.

Code	Title	Hours
Required Courses		
AT 2356	Prevention and Care of Athletic Injuries	3
BIO 2430	Human Physiology and Anatomy	4
ESS 1100	Lifetime Fitness and Wellness	1
ESS 1179	Beginning Weight Training	1
ESS 3117	Laboratory in Exercise Physiology	1
ESS 3317	Exercise Physiology	3
ESS 3320	Biomechanics	3
ESS 4324	Adapted Physical Activity	3
ESS 4351	Measurement & Evaluation in Exercise and Sports Science	3
Total Hours		22

Minor in Public Health

The minor in Public Health requires 18 semester credit hours.

Code	Title	Hours
Required Courses		
PH 1310	Foundations of Personal Health	3
PH 1320	Introduction to Public Health	3
PH 2340	Community Health	3
PH 4336	Health Behavior Theory	3
Prescribed Electives		
Choose 6 hours from the following:		6
PH 2338	Substance Use and Abuse	
PH 3301	Environmental Health	
PH 3321	Health in the School Setting	
PH 3330	Inclusion and Diversity in Women's Health	
PH 3348	Prevention of Disease	
PH 3350	Consumer Health	
PH 3360	Issues in Human Sexuality	
PH 3370	Epidemiology	
PH 3374	Global Health	
PH 3376	Worksite Health Promotion	
PH 4347	Independent Study in Public Health	
Total Hours		18

Minor in Recreation Administration

The minor in Recreation Administration requires 18 semester credit hours.

Code	Title	Hours
Required Courses		
REC 1310	Introduction to Recreation and Leisure Services	3
REC 2330	Leadership in Recreation and Leisure Services	3
REC 2335	Recreation Program Development	3
REC 3325	Recreation Administration	3
Choose 6 hours from the following:		6
REC 1330	Leisure and Outdoor Recreation	
REC 3340	Design and Maintenance of Recreational Facilities	
REC 3351	Evaluation of Leisure Service Programming	
REC 4330	Entrepreneurial Recreation Management	
REC 4350	Theories and Methods of Supervision in Recreation and Leisure Services	
Total Hours		18

Office of Educator Preparation

Education Building Room 2016
Telephone: 512-245-7880 Fax: 512-245-8345
www.education.txstate.edu/oep (http://www.education.txstate.edu/oep)

The Office of Educator Preparation (OEP) collaborates with all university departments and schools involved in educator certification. The OEP assists departments and schools in certification program alignment and compliance with federal, state, and university policies and procedures that lead to educator certification through baccalaureate, graduate, and certification-only programs: namely, programs in the colleges of Applied Arts, Education, Fine Arts and Communication, Liberal Arts, and Science and Engineering.

Because of the nature of the teaching profession--and because of the extensive field-based component of educator certification--all interested students must be aware of the following requirement:

Students in teacher certification programs are preservice teacher candidates who are expected to **exhibit professional dispositions and behaviors** that are appropriate to the school environment and that supports learners' academic success. These dispositions and behaviors include professional attitudes, values, and beliefs demonstrated through both verbal and non-verbal behaviors as candidates interact with students, families, colleagues, and communities.

A candidate who does not meet the expectations for the behaviors and dispositions for the profession will be identified by a professor, supervisor, cooperating teacher, or principal and will meet with a department administrator and/or the Office of Educator Preparation to discuss the case. If further action is necessary, the candidate's case will be reviewed by the chair of the appropriate department with input from faculty, as appropriate, to determine eligibility for the Educator Preparation Program. Appeals regarding the candidate's eligibility should be made to the Dean of the College of Education whose decision is final.

Criminal background checks are required for participation in field-based coursework and for progression through the Educator Preparation Program. Based on information recorded in an individual's criminal history, a candidate may ineligible for issuance of a certification upon completion of the Educator Preparation Program. If a candidate has a criminal history, that student is advised to request a Preliminary Criminal History Evaluation from the Texas Education Agency; schedule an appointment for free legal counseling services through Texas State

University's Attorney for Students (http://attorney.dos.txstate.edu/); and disclose this information to the Office of Educator Preparation.

Certification requirements are subject to change regardless of catalog year. Teacher Certification at Texas State University is governed by state/federal statute and rules. Certification coursework, exam approval, and exam scores may expire in response to changes from either the state or federal government.

Major with Teacher Certification

Students seeking certification to teach EC-6 (Early Childhood through Grade Six), 4-8 (Grade Four through Grade Eight), or All-level Special Education (Early Childhood through Grade Twelve) will major in Interdisciplinary Studies in the Department of Curriculum and Instruction within the College of Education. Students seeking all other teacher certifications will major in their chosen teaching field in the department, school and college where that major is housed. Students should note that teacher certification requirements may differ from degree requirements and that completion of both is necessary for awarding a degree and recommending a student for teacher certification.

Sequence of Coursework

Students should refer to their Advising Center's degree plan check sheets for guidance in following the Educator Preparation course sequence in their degree plan. At a minimum, each Educator Preparation sequence consists of introductory "Education Core" classes, at least one 15 week semester of a Field-Based Block of coursework and a final 15 week semester of Student Teaching that occurs after all other coursework has been completed. Students must apply for Field-block coursework at http://www.education.txstate.edu/oep/Applications/apply-for-fieldblock-experience.html and for Student Teaching coursework at https://www.education.txstate.edu/oep/current/initial-certification/clinical-teaching/application.html.

Teacher Certification

In addition to an earned baccalaureate degree, there are five criteria for earning certification:

- Admittance to the Educator Preparation Program
- Completion of Field Based Blocks
- Passing scores on all required certification exams
- Satisfactory completion of Student Teaching
- Applications for graduation as well as state certification

Admittance to the Educator Preparation Program

In order to pursue teacher certification, students must apply and be invited to attend the Educator Preparation Program through the Office of Educator Preparation. If a student accepts this invitation, the student must then pay a required $55 Texas Education Agency technology fee before the student will be officially admitted. Please see http://www.education.txstate.edu/oep for current admittance requirements and procedures.

For more information about Admittance to the Educator Preparation Program, see the Teacher Certification Handbook on the Office of Educator Preparation website: http://www.education.txstate.edu/oep/.

Field-Based Blocks: Elementary, Middle School, High School, and All-Level Certification

Students in any undergraduate teacher certification program must participate in one or more field-block(s) of integrated courses that provide authentic experience in classrooms, prior to Student Teaching. Texas State partners with Central Texas public schools to provide these rich, hands-on experiences. All students in field experiences must complete criminal background checks.

For more information about Blocks, see the Department of Curriculum and Instruction website: https://www.education.txstate.edu/ci/resources/student-resources/block-information.html

Certification Exams

Students and candidates (students who have completed all elements of a certification program except certification) must apply to OEP for test approval for each attempt of the state-required Texas Examination of Educator Standards (TExES).

State statute limits candidates to FIVE (5) attempts of each exam. If a candidate does not pass the Pedagogy and Professional Responsibility (PPR) exam within five attempts, the candidate will not be eligible to become a certified teacher in the state of Texas.

For more information about the Certification Exams, see the Teacher Certification Handbook on the Office of Educator Preparation website: https://www.education.txstate.edu/ci/resources/student-resources/block-information.html

Student Teaching

All other degree-required coursework must be completed prior to Student Teaching, which should occur during a student's final semester. Contact your advisor regularly for updated degree audit and certification requirements. Criminal background checks are required for all Student Teaching Placements.

Student Teaching is a mandatory, unpaid professional experience that requires the time commitment of a full-time job. Candidates may request a particular district, but the district HR staff will place candidates. While student teaching, students are responsible for transportation and lodging arrangements. Students must be available for mandatory district orientation up to 5 weeks prior to the first day of Student Teaching placement. Because Student Teaching is 6 credit hours, students must determine, with the assistance of the Financial Aid Office, if and how their financial aid or scholarships may be affected by part-time enrollment.

For more information about Admittance to the Educator Preparation Program, see the Teacher Certification Handbook on the Office of Educator Preparation website: http://www.education.txstate.edu/oep/.

Graduation and Certification

Graduation

In addition to the other graduation requirements listed in this catalog, the following graduation requirements must be met by students seeking teacher certification:

1. An Overall GPA of at least 2.75.
2. Successful completion of Student Teaching.

3. A GPA of at least 2.50 in all assigned courses in the professional sequence and in the teaching field(s) or specialization(s) with no grade below a "C" in these courses.
4. Other requirements as outlined by your department or school

Standard Certification

Eligible students should apply for a Texas Educator Certificate through the State Board for Educator Certification. The Certification Officer in the OEP will recommend the issuance of the appropriate certificate by the State of Texas. The certification process includes the following steps:

1. Completion of at least a baccalaureate degree and the posting of the degree to the official transcript.
2. Verification of satisfactory completion of Student Teaching experience.
3. Passing scores on the appropriate Texas Examination of Educator Standards (TExES).

For more information about Admittance to the Educator Preparation Program, see the Teacher Certification Handbook on the Office of Educator Preparation website: http://www.education.txstate.edu/oep/.

Post-Baccalaureate Certificate Requirement

Persons who hold at least a bachelor's degree who are seeking initial Texas teacher certification or professional certification need to follow information listed in The Graduate Catalog.

College of Fine Arts and Communication

Dean
John Fleming, Ph.D.
Old Main Building Room 112
Telephone: 512.245.2308 Fax: 512.245.8386
http://www.finearts.txstate.edu/

Associate Dean
Laurie H. Fluker, Ph.D.
Associate Dean
Joey Martin, D.M.A.

Department Chairs/School Directors
Art and Design–Michael L. Niblett, M.F.A.
Communication Studies–C. Erik Timmerman, Ph.D.
Journalism and Mass Communication–Judith B. Oskam, Ed.D.
Music–Thomas S. Clark, D.M.A.
Theatre and Dance–Debbie R. Alley, M.F.A.

The College of Fine Arts and Communication offers four undergraduate degrees:

- the Bachelor of Arts (B.A.),
- the Bachelor of Fine Arts (B.F.A.),
- the Bachelor of Music (B.M.), and
- the Bachelor of Science (B.S.).

A wide range of programs are available within the disciplines of art and design, theatre and dance, music, mass communication, journalism and communication studies.

In addition to the college's formal degree programs, students have the opportunity to pursue a number of co-curricular programs. These are available to all Texas State students, regardless of major or minor, and range from acting, marching band, wind ensemble, choir, orchestra, jazz bands, classical guitar, concert bands, Latin ensembles, debate, attendance of art exhibits, lectures and workshops, to production work for KTSW, the campus radio station, or the student newspaper, The University Star.

Academic Advising Center

Old Main Building Room 118

Telephone: 512-245-1932 Fax: 512-245-8334
www.advising.finearts.txstate.edu (http://www.advising.finearts.txstate.edu)

The College of Fine Arts and Communication Academic Advising Center provides students with advising on academic and administrative issues. Students are informed about matters related to academic majors and career possibilities, the selection of appropriate courses, and the choice of an education program leading to a Bachelor's degree. The Advising Center is a resource for current students and for prospective students who are considering a major or minor in the College of Fine Arts and Communication.

School of Art and Design

Joann Cole Mitte Building Room 2112
Telephone: 512-245-2611 Fax: 512-245-7969
www.finearts.txstate.edu/Art/art.html (http://www.finearts.txstate.edu/Art/art.html)

The School of Art and Design promotes the understanding of art in culture by providing a learning environment that advances students' critical and creative thinking, encourages diverse perspectives, and nurtures individual artistic expression. The School fosters creative and scholarly activities that develop students' conceptual and technical abilities and encourages visually articulate thinkers. The faculty come from diverse educational, professional and cultural backgrounds. Through effective teaching, the School of Art and Design helps students achieve excellence in their individual, artistic and career goals.

The School of Art and Design offers six programs leading to the following degrees:

- Bachelor of Fine Arts (B.F.A.) degree with a major in Communication Design;
- Bachelor of Fine Arts (B.F.A.) degree with a major in Photography;
- Bachelor of Fine Arts (B.F.A.) degree with a major in Studio Art that offers specializations in ceramics, drawing, expanded media, metals, painting, printmaking, and sculpture;
- Bachelor of Fine Arts (B.F.A.) degree with a major in Studio Art leading to All-Level (EC-12) Certification that prepares students for teaching art in elementary and secondary schools;
- Bachelor of Arts (B.A.) degree with a major in Art History
- Bachelor of Arts (B.A.) degree with a major in Art that provides broad exposure to art.

All art and design majors are encouraged to enter the annual student exhibition and to take advantage of the University Art Gallery and

visiting artists programs. An active internship program is available for all qualified art and design majors.

Special Requirements

All students majoring in Studio Art or in Photography are required to participate in Portfolio, Practice and Exhibition (ARTS 4200) and the Senior Art Exhibition (ARTS 4000) within the academic year they plan to graduate. All students majoring in Communication Design are required to participate in Senior Porfolio Presentation and Self-Promotion (ARTC 4315) and Senior Show and Review (ARTC 4200) within the academic year they plan to graduate. All students major in Art History are required to complete a methodology course (ARTH 4323) and capstone course (ARTH 4324) within the academic year they plan to graduate.

School of Art and Design Fitness Statement

Program Standards

Students enrolled in the School of Art and Design B.A., B.F.A., or M.F.A. programs must maintain high scholastic standards and develop a mastery of the knowledge and methods of their respective discipline. Students are expected to demonstrate emotional and mental fitness in their interactions with others, use skills and methods that are generally accepted in the profession, and conform to the code of ethics of their respective discipline, and the university's honor code. A student's acceptance in any program does not guarantee the student's fitness to remain in that program. The faculty is responsible for verifying that only those students who continue to meet program standards are allowed to continue in any program.

Evaluation of Student Fitness and Performance

Members of the faculty, using their professional judgments, evaluate student fitness and performance continuously. The criteria used by the faculty to make such judgments include instructors' observations of student performance in class or in activities related to courses. Students who are not making satisfactory progress or who are not meeting program standards should consider withdrawing from the program.

In this context, the term "satisfactory progress" refers to an academic judgment made regarding the student's fitness and performance. It is a judgment that the student has failed to meet program standards rather than a judgment made on the basis of the student's violation of valid rules of conduct. Disciplinary matters are referred to Student Justice.

Student Review Process

1. When a faculty member believes that a student is not making satisfactory progress or meeting program standards, they will discuss the situation with the student.
2. When the faculty member believes that the student's performance cannot improve to acceptable standards, the faculty member will refer the student to the School of Art and Design Standards Committee. The Committee consists of three Communication Design faculty members appointed by the program Coordinator in consultation with the school's senior faculty.
3. The Committee will notify the student of the reasons that he or she is not making satisfactory progress or meeting program standards. The student will be given an opportunity to meet with the Committee to respond and to present information and witnesses to the Committee. The Committee will also meet with the faculty member who referred the student.
4. After considering the matter, and within ten working days of meeting with the student, the Committee will report its decision to the student and the school Director, stating that the student should either remain in the program, or leave the program. The Committee may make other decisions, such as placing restrictions or conditions on the student's continuance in the program. Within ten working days of receiving the Committee's decision, the student will notify the school Director of the student's acceptance or rejection of the Committee's decision. If the student rejects the Committee's decision, he or she may appeal directly to the school Director.
5. Within ten working days of receiving the student's appeal, the Director will make a decision as to the student's continued presence in the program. Before making the decision, the Director will meet with the student. However, the Director need not meet with the student before making a decision if the student was given a reasonable opportunity to meet, and the student either failed or refused to meet. The Director will notify the student of the decision.
6. If the student is dissatisfied with the Director's decision, he or she may appeal to the Dean of The College of Fine Arts and Communications. However, in order for the Dean to consider an appeal, the student must submit a written notice of appeal to the Director and the Dean within ten working days of receiving the Director's decision. The Dean will consider the matter based on information compiled by the Director and notify the student of the decision within ten working days of the Dean's receipt of the appeal from the Director. The Dean may meet with the student and give the student an opportunity to address the issues. The Dean's decision is final.

Admission Requirements

Communication Design

The Communication Design Program, a three-and-a-half-year sequenced curriculum, emphasizes the integration of critical thinking with a thorough understanding of design principles and processes relevant to the professional practice of design. The program also embraces social, cultural, historical, economic, and global contexts to prepare students to advance their knowledge within the discipline. This approach prepares graduates for successful entry into the profession, as well as for entry into graduate education programs.

Admission requirements for the Communication Design program are more restrictive than those of the University, and enrollment is limited to provide students with a quality experience. All applicants who indicate Communication Design as their preferred major will be assigned a temporary status/major code of Pre-Communication Design. In addition to meeting Texas State's general admission criteria, all students intending to major in Communication Design must pass ARTC 2000 Admission Portfolio Review, earn a minimum grade of B in ARTC 1301 and ARTC 1302, and have a minimum Overall GPA of 2.75 to be admitted into the program. Admission Portfolio Review is a competitive formal review of creative work, conducted by Communication Design faculty. Native and transfer students will register for ARTC 2000 during the earliest semester in which they will meet all eligibility requirements. Students who do not pass ARTC 2000 may register for a future review, but will be allowed only one more attempt. Pre-Communication Design majors will not be permitted to enroll in 2000 – 4000 level Communication Design courses until they have met all requirements and have been formally admitted to the program. Requirements for admission to the Communication Design program are:

- A minimum Overall GPA of 2.75
- A passing grade of "CR" in ARTC 2000
- A minimum grade of "B" in ARTC 1301
- A minimum grade of "B" in ARTC 1302

All Communication Design majors must have a minimum cumulative GPA of 2.75 to meet graduation requirements. The program once accepted is a three-and-a-half-year sequenced curriculum.

Bachelor of Arts (B.A.)

- Major in Art (p. 255)
- Major in Art History (p. 256)

Bachelor of Fine Arts (B.F.A.)

- Major in Communication Design (p. 256)
- Major in Photography (p. 259)
- Major in Studio Art (Ceramics Concentration) (p. 260)
- Major in Studio Art (Drawing Concentration) (p. 262)
- Major in Studio Art (Expanded Media Concentration) (p. 264)
- Major in Studio Art (Metals Concentration) (p. 265)
- Major in Studio Art (Painting Concentration) (p. 267)
- Major in Studio Art (Printmaking Concentration) (p. 268)
- Major in Studio Art (Sculpture Concentration) (p. 270)
- Major in Studio Art (Teacher Certification in Art, Early Childhood Through Grade 12) (p. 272)

Minors

- Art
- Art History

Subjects in this school include: **ART** (p. 240)**, ARTC** (p. 240)**, ARTF** (p. 243)**, ARTH** (p. 244)**, ARTS** (p. 247)**, ARTT** (p. 253)

Courses in Art (ART)

ART 2313. Introduction to Fine Arts.
An introductory course designed to give the student a fundamental understanding of the creation and appreciation of diverse modes of expression through the visual and performing arts. This course may not be repeated for credit by taking MU 2313, TH 2313, or DAN 2313.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050
Grade Mode: Standard Letter
TCCN: HUMA 1315

ART 3313. Introduction to Fine Arts.
This course is designed to give the student a critical understanding and appreciation of the history and principles associated with each of the artistic disciplines of theatre, dance, music and the visual arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Courses in Communication Design (ARTC)

ARTC 1301. Introduction to Communication Design.
Introduces the field of Communication Design including terminology, creative visual thinking/problem solving, layout design, tools, and materials. Corequisite: ARTC 1302. Prerequisite: ARTF 1301 and ARTF 1302, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 1302. Imaging I.
An introduction to digital imaging emphasizing visual strategies, techniques, and concepts. Corequisite: ARTC 1301. Prerequisites: ARTF 1301 and ARTF 1302, all with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 2000. Admission Portfolio Review.
During this course, students will prepare and present an entry-level design portfolio. Communication Design majors must pass Admission Portfolio Review to gain entrance into the program. Course is repeatable one time. Prerequisites: ARTF 1301 and ARTF 1302, all with a grade of "C" or better. Co-requisites: ARTC 1301 and ARTC 1302, all with a grade of "D" or better.
0 Credit Hours. 0 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ARTC 2303. Typography I.
This course introduces the evolution and development of alphabets, letter forms, and typography in relationship to visual expression and communication. Prerequisites: Admission into the Communication Design Program; ARTC 1301 and ARTC 1302, all with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 2304. Conceptual Strategies.
Focuses on concept development and ideation strategies through the production of various design forms. Prerequisites: Admission into the Communication Design Program; ARTC 1301 and ARTC 1302, all with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 2305. Visualization and Presentation Techniques.
Introduces rendering techniques, three-dimensional graphics, and digital imaging for visual presentations. Prerequisites: ARTF 1302 and ID 1310 and ID 1320 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3301. Art Direction I.
Students will develop advertising concepts that relate to the creative strategies, marketing platforms, and psychology specific to client-based communication, and the type of media used. Prerequisites: ARTC 3307 and ARTC 3320 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3303. Trademark Design.
Focuses on the design process and concept development of trademark design (i.e., logo design, corporate identity, iconographic systems). The class emphasizes incorporating historic and contemporary methodologies and practices of trademark design within the context of the communication design discipline. Prerequisites: ARTC 3307 and ARTC 3320 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3304. Branding Systems.
Focuses on the creation and application of integrated brand communication systems. Students will develop comprehensive brand identities, typographic elements and layout designs for print and digital media. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3307. Interactive Media I.
This course introduces web site design, construction, basic user interface design, and explores the elements of HTML and CSS. Prerequisites: ARTC 2303 and ARTC 2304 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3310. Illustration.
Introduces media and illustration methods for basic image development. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3313. Imaging II.
This course uses advanced digital and traditional imaging as it applies to visual and verbal problem solving. The class emphasizes incorporating drawing, photography and appropriated images in order to reinforce and extend the possibilities of sourcing and manipulation of images digitally. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3316. Communication Design History Seminar.
This course traces communication design history, through examples of social, political, cultural, technological and economic perspectives, from the end of the 19th century to the present. Students examine how past and current design practices, theory and aesthetics inform and shape the discipline of communication design and contemporary society. Prerequisites: ARTC 3307 and ARTC 3320.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3320. Typography II.
Introduces advanced issues in page structure and composition, content organization and management, typographic hierarchies, typeface selection, and typesetting. Prerequisites: ARTC 2303 and ARTC 2304 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4000. Senior Exit Review.
A course in which all graduating seniors must participate during their last academic year. Work will be examined and evaluated while displayed in the Exit Review. Prerequisites: ARTC 4308 with a grade of "D" or better and instructor approval. Corequisite: ARTC 4315 with a grade of "D" or better.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ARTC 4200. Senior Show & Review.
Students will be given the guidance and the studio time needed to polish their portfolios and to organize and produce the Communication Design Exit Review. Lectures will focus on best practices for professionals in communication design. Final portfolios will be evaluated while exhibited in the Exit Review. Prerequisite: ARTC 4308 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

ARTC 4302. Art Direction II.
Students develop strategic messages across print, digital, and social media and evaluate how conceptual direction and message must shift to accommodate various media. Students strengthen their verbal and visual conceptual skills and elevate their research abilities to create dynamic advertising campaigns, and unify brand position with communication. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4303. Art Direction III.
This course allows students to create art direction projects based on individual professional goals. Faculty will assess each portfolio at the beginning of the course. Students will then address their portfolio content and work to create a body of art direction pieces. Prerequisite: ARTC 4302 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4305. Typography III.
Continues the study of letter form, typography, image and concept relationships for effective communication. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4306. Environmental Graphic Design.
Introduces a multidiscipline-based design practice centered around exterior and interior built environments. Students examine the visual, theoretical and applied aspects of defining a place through wayfinding, identity and information design. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4308. Interactive Media II.
This course explores advanced Web Site design, construction and User Interface design, advanced Web authoring for multiple platforms, and advanced Web typography. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4309. Interactive Media III.
Mobile application design. Exploration of User Interface design and Experience design for mobile devices. Students will learn to prototype applications that connect the physical and digital worlds. Prerequisite: ARTC 4308 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4310. Communication Design Practicum.
Students are placed in regional graphic design firms and advertising agencies to gain professional design/art experience. May be repeated with different emphasis for additional credit. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better and instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTC 4311. Digital Illustration.
An illustration course using digital media to execute illustrations in a wide range of genres. Emphasis will be placed on developing unique approaches to manipulate traditional illustration techniques through digital means, as well as the creation of original digital illustration solutions. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4312. Editorial Illustration.
The study of traditional and digital illustration techniques for editorial publication assignments. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4313. Communication Design Special Problems.
An independent study requiring complex problem solving in Communication Design. Goals and objectives will be outlined in a written format. May be repeated with different emphasis for additional credit. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTC 4314A. Animation.
The study and practice of various animation techniques. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314B. Legal Issues in Communication Design.
This course introduces students to the business and legal issues relating to communication design. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314D. Digital Video.
This course introduces issues in digital video production and editing. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314E. Motion Graphics.
This course introduces issues and applications in the production of motion graphics and special effects for digital video. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314F. Character Development for Illustration.
This course emphasizes basic skills of character/plot development and storytelling, action and background drawing and development of characters in unique styles. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314G. Illustration Techniques and Materials.
A beginning illustration course focusing on learning to render with specific illustration techniques, including traditional black and white line and tone styles, watercolor and acrylic painting techniques and other materials such as collage, scratchboard and monoprint styles. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314H. Poster Design.
Exploration and experimental usage of the written word integrated with visual imagery by using digital and traditional photographic, illustration, and other graphic elements utilized in poster design. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314I. Learning from the Land of Design.
The intent of this course is to broaden the students' understanding of the rich culture of Italian design from the Renaissance to modern Italy. Additionally, the student will learn how intense observation of design principles through sketching, photography and keeping a journal, becomes a method for design inspiration and problem solving. Prerequisites: ARTC 2303 and ARTC 2304 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314J. Package Design.
Students will explore designed packaged consumer goods while meeting industry and governmental requirements, principles, and guidelines, and sustainability in the context of the global marketplace. Prerequisites: ARTC 3301 and ARTC 3303 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314K. Introduction to Hand Painted Signs and Lettering.
This course explores the historic underpinnings, proven techniques, materials and iterative processes associated with hand painted signs and lettering.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314L. Guerilla Art Direction.
This course examines guerilla advertising art direction strategies. Students will develop non-traditional advertising concepts that promote social causes, consumer products, and public events. Guerilla creative strategy concepts will integrate various types of media including social and mobile interactions with the targeted audiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314M. Design Portfolio Preparation.
Design Portfolio provides students with a published ePortfolio that demonstrates unique problem-solving skills by design thinking methods, well-defined messaging, systems thinking, expansion of sophomore and junior projects, creation of one new project system, clearly stated project briefs and narratives, and exceptional final portfolio execution. Prerequisite: ARTC 3301 and ARTC 3303 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314N. Design For Experiences.
This course addresses the creation of user experiences informed by research, customer empathy, experience mapping, and design thinking. Projects involve creating research and problem framing documents, user flow and system diagrams, pattern libraries, and experience prototypes. Students also study design and innovation roles at enterprise scale companies and independent consultancies. Prerequisite: ARTC 3301 and ARTC 3303 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314O. Entrepreneurial Design.
Students will focus on the interconnection between entrepreneurial thinking and innovation. They will develop innovation-driven venture skills and will gain open and critical thinking skills with a focus on community, understanding of calculated risk and the initiative to follow-through. Prerequisite: ARTC 1301 and ARTC 1302 and ARTC 2000 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314P. Design Research.
Design Research provides students with an applied foundation in the role of research and analysis in the communication design discipline. Prerequisite: ARTC 2000 and ARTC 2303 and ARTC 2304 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4315. Senior Portfolio Presentation and Self-Promotion.
This capstone course focuses on preparations for entry into professional practice via production of a final portfolio presentation; creation of a resume, business card, and self-promotions; and preparation for the interview process. Prerequisite: ARTC 4308 with a grade of "D" or better. Corequisite: ARTC 4000 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4316. Book Design.
This course will cover concept and content development, design, and execution of single edition and limited edition books through lectures, demonstrations, and studio work. Emphasis placed on creativity, problem solving, organizational ability, technical precision, and independent work ethic. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Courses in Art Foundations (ARTF)

ARTF 1301. 2-D Design.
Introduction to the elements and principles of design through the use of a variety of two-dimensional media and techniques.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ARTS 1311

ARTF 1302. Basic Drawing.
Introduction to a variety of media and techniques for exploring descriptive and expressive possibilities in drawing.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ARTS 1316

ARTF 1303. 3-D Design.
Introduction to the elements and the principles of design through the use of a variety of three-dimensional materials and techniques.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ARTS 1312

ARTF 1304. Color Theory.
Introduction to color as a descriptive and expressive element of art, focusing on color perception and application.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ARTS 2311

Courses in Art History (ARTH)

ARTH 2301. Ancient to Medieval Art.
A survey of the history of painting, sculpture, and architecture from pre-historic through medieval periods. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ARTS 1303

ARTH 2302. Renaissance to Modern Art.
A survey of art history from the fourteenth century through the twenty-first century. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ARTS 1304

ARTH 2303. Global Art Histories.
The course surveys the arts of Asia, Africa, and the Americas, exploring the possibility of multiple art histories independent of a dominant European perspective. Students will be introduced to the paradigms of both world art and global art history, while also testing the limits of those paradigms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTH 3300. Art Criticism and Writing.
This course introduces students to the history and practice of art criticism and provides them with relevant tools and experiences to craft their own body of art criticism. Prerequisites: ARTH 2301 and ARTH 2302, all with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTH 3301. History of Modern Art.
This course offers a survey of the stylistic trends, aesthetic issues, and evolving philosophy of modern art in Europe and the Americas from 1900 to 1965.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTH 3303. Issues in Contemporary Art.
An issue-oriented survey of the diverse forms and concepts in contemporary art making practices, mostly from the United States, from 1965 to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTH 3306. History of Photography.
This course surveys the history of photography from its earliest manifestations until the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTH 3307. Issues in Contemporary Art.
An issue-oriented survey of the diverse forms and concepts in contemporary art making practices, mostly from the United States, from 1965 to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTH 4300. History of American Art.
This course provides an introduction to American art and visual culture from ancient times to the 1950s. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTH 4302. Latin American Art.
This course surveys the rich and varied visual art of Latin American and Caribbean countries from the wars of independence to the present day with a focus on recurring themes that have resonated in art throughout the region, such as modernism, internationalism, nationalism, race, identity, and political activism. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ARTH 4303. Pre-Columbian Art.
A survey of the art of Pre-Columbian sites and cultures in Mesoamerica and the Central Andes, from pre-history to the European conquest. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ARTH 4304. Global History of Cinema.
This course is a transnational survey of the evolution of cinematic form, production and reception. Students will analyze the regional and global context of selected major film styles, philosophies and industries. Movement across geographical and cultural borders will be a narrative theme that unites the films discussed. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 1.5 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ARTH 4306. Renaissance Art.
An in-depth survey of the history of Italian Renaissance art, including key works of art representative of the Northern Renaissance. Course emphasizes the study of iconography and stylistic change, in conjunction with larger cultural developments. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ARTH 4308. Asian Art.
A broad survey of the art of Asian cultures including India, Japan, and China from pre-history to the present. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ARTH 4309. Gender and Visual Representation.
This course provides an introduction to art, theory, and visual culture concerned with issues of sexuality, gender experience and difference. It explores, questions and looks beyond the power dynamics involved in traditional categories of femininity and masculinity through their symbolic expression. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTH 4310. Race and Representation.
This course explores the variegated ways that race, and, by implication, identity and difference, is figured and represented in a range of cultural productions, including art, film and visual culture. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTH 4311. History of Italian Art.
Taught on-site and centered in Florence, Italy, this course represents a targeted immersion into Renaissance art and culture and includes the study of pivotal works of art and architecture across the Italian peninsula. May be substituted for ARTH 2301 or ARTH 2302. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTH 4312. The Arts in Popular Culture.
This course examines popular culture, including the emergence of mass culture, and its complex intersection with the fine arts from the nineteenth century onwards. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTH 4313. Hellenistic Art and Culture.
This course focuses on the Greek aesthetic tradition from the fourth century BCE to the end of the first century C.E., with a cross-disciplinary emphasis on the interaction of Greek and non-Greek cultures from Northern India to the Italian peninsula. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTH 4314. Art and Politics.
This course explores various ways in which artists and patrons have worked to change or endorse political policy, exploring art both as a tool for social cohesion in support of a particular political party or ideal and as a means of political protest. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTH 4315. History of Experimental Film.
This course provides an overview of experiments in avant-garde and artists' films from 1920 until the present. Students will learn how to analyze the meaning in moving images that exhibit unconventional narratives and will examine reactions these films have provoked in audiences past and present.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTH 4316. Islamic Art.
This course will survey the art, architecture, and urban formations associated with the religion of Islam across Asia, Africa, and Europe.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTH 4320A. Documentary Photography.
This course explores key issues in the theory, history, and practice of documentary photography. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4320B. Curatorial Practices.
This course considers the history and cultural significance of the practice of curating and exhibition making. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4321N. Perspectives on Andy Warhol.
This course explores Post-World War II art and culture by focusing on the career of Andy Warhol. The class will examine the multiple media and strategies for artistic dialogue and visibility that the artist implemented over his decades-long practice from the 1960s through the 1980s. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4321O. Spanish Colonial Art of Latin America.
This course surveys the art and architecture of the Spanish and Portuguese Viceroyalties in the Americas from the conquest to the wars of independence, examining the role that art and architecture played in religion, government, social structuring, and identity formation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4321P. Artists' Writing.
This course explores ways in which visual artists have engaged with the written word in relationship to their art work. Readings will be taken from diaries, manifestos, critical and experimental essays, and works of fiction. Students will create their own writings and/or art work in response to weekly readings. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4321Q. Video Art.
This course considers the myriad ways artists have mobilized video to confront and complicate representations of people affected by the HIV/AIDS pandemic. Most of this course will be spent discussing videos and readings from the 1980s and 1990s and will be localized to the United States. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4321S. Conceptualism.
This course explores the emergence of conceptualism globally during the 1950s through the 1980s and considers its impact on contemporary art. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4321T. Art in the 1990s.
This course broadly considers the state of global art and politics in the 1990s from a postcolonial perspective. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4321U. Contemporary Art in Italy.
Taught on-site and centered in Florence, Italy, students consider a number of contemporary art and exhibition practices, with emphasis on discursive formations of the global. May be substituted for ARTH 3307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTH 4321W. Contemporary Art in Mexico.
This course explores contemporary art practices in Mexico through site visits, studio visits, readings and writing. Capitalizing on the city's dynamic artists, project spaces and museums, students will interact with some of the leading professionals in the arts.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTH 4321Y. Modernism and Design.
This seminar explores movements in modern design in the early and mid 20th-century. Topics include: graphic design's relation to art, architecture, and film; the rise of the avant-garde and the impact of ideology on design; synergies between design and commerce; and international developments in the post-WWII period. This course is conducted online; we will meet in person as a group approximately 4-5 times during the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4322. Special Problems.
An advanced level, independent study in art history, aesthetics, and criticism. The emphasis of the course is on scholarship, research, and writing. May be repeated with different emphasis for additional credit. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTH 4323. Art History Thesis I.
A senior-level course focused on research, methodology, and writing in art history. Prepares students for final senior thesis projects. Prerequisites: ARTH 2301 and ARTH 2302 and ARTH 3301 and ARTH 3307, all with a grade of "C" or better; and ARTH 3300 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTH 4324. Art History Thesis II.
A senior level course focused on independent research and writing in art history and on the completion of a final thesis project. Prerequisite: ARTH 4323 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTH 4325. Art History Internship.
This course will offer students the opportunity to experience and receive academic credit for professional activities related to the field of art history. Consent of instructor required.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Courses in Studio Art (ARTS)

ARTS 1305. Digital Studio Foundations.
This course will provide an introduction to digital imaging software as a tool for the visual artist. Students will learn terminology, operating systems, and how to store, organize and transfer digital data. Special emphasis will be placed upon the use of the computer for conceptual and aesthetic problem solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 2301. Expanded Media I.
This introductory studio art course introduces time as a medium. Students become familiar with the unique capabilities of video, sound and performance through screenings, demonstrations, individual projects and critiques. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305 or ARTT 2372 or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 2311. Ceramics I.
An introduction to clay as a medium for creative expression. Basic hand-building and wheel-throwing methods of forming are employed to investigate form and develop conceptual awareness. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305 or ARTT 2372 or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: ARTS 2346

ARTS 2321. Drawing I.
Introduces the analytical study of the human form and the figure's potential for compositional and expressive use of drawing. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305, or ARTT 2372, or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: ARTS 2323

ARTS 2341. Metals I.
An introduction to metal as a medium for creative expression emphasizing conceptual awareness while developing technical and creative skills. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305 or ARTT 2372 or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: ARTS 2341

ARTS 2351. Painting I.
An introduction to painting emphasizing the elements and principles of pictorial composition. Provides the foundation for critical aesthetic judgment while developing technical and creative skills. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305, or ARTT 2372, or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: ARTS 2316

ARTS 2361. Foundations of Photography I.
This course introduces basic concepts in photography through lecture, readings and studio practice in traditional and digital processes. Prerequisites: ARTF 1301 and ARTF 1302, all with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 2371. Introduction to Printmaking: Screen and Relief.
This course introduces relief and screen printing techniques, covering both traditional and contemporary as well as manual and digital techniques. Provides a historical, technical, visual and conceptual foundation for printmaking. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305, or ARTT 2372 or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: ARTS 2333

ARTS 2381. Sculpture I.
An introduction to sculptural materials and processes as a medium for creative expression. Provides the foundation for critical aesthetic judgment while developing technical and creative skills. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305 or ARTT 2372 or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: ARTS 2326

ARTS 2391. Watercolor I.
An introduction to the fundamentals of transparent watercolor painting as a medium for creative expression. Prerequisites: ARTF 1301 and ARTF 1302 and ARTS 1305 or ARTC 1302, all with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: ARTS 2366

ARTS 3302. Expanded Media II.
This studio course continues explorations of formal, critical and technical approaches to time-based practices. Students incorporate diverse media and materials to generate interdisciplinary projects. Emphasis is placed on modes of presentation. Prerequisite: ARTS 2301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3303. Expanded Media III.
This is a rotating topics course in Expanded Media. Potential course topics include, but are not limited to, performance, participatory practices, institutional critique and contextual methodologies. Prerequisite: ARTS 3302 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3304. Expanded Media IV.
This is a rotating topics course in Expanded Media. Potential course topics include, but are not limited to, computer programming, web-based systems, animation, sound design and interactive multimedia. Prerequisite: ARTS 3302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3312. Ceramics II.
Through pottery forms and/or clay sculpture, students develop conceptual and expressive skills. Students formulate glazes and fire kilns. Prerequisites: ARTS 2311.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3313. Ceramics III.
Through individualized projects, students develop personal content and expression in their work. Students formulate clay bodies and slips, and investigate experimental firing methods. Prerequisite: ARTS 3312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3314. Ceramics IV.
Continued development of personal expression through a self-initiated series of works. Students investigate technically complex forming methods. Prerequisite: ARTS 3313 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3322. Drawing II.
Experimentation with techniques and materials to develop perceptual and conceptual skills leading to individual expression in drawings. Prerequisite: ARTS 2321.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3323. Drawing III.
This course focuses on the development of a personal visual statement, using the human form as subject matter. Interpretive skills are stressed, and alternative approaches to generating visual imagery are explored. Prerequisite: ARTS 2321.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3324. Drawing IV.
Emphasizes conceptual skills and critical analysis in the development of individual imagery and aesthetics in drawing. Consistent thematic drawings are required. Prerequisite: ARTS 3323 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3342. Metals II.
The development of a personal aesthetic and conceptual direction in the metal medium focusing on the relationship between surface and form. Advanced processes are introduced and the exploration of patination and surface coloration continues. Prerequisites: ARTS 2341.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3343. Metals III.
Emphasis on a personal conceptual direction in the solution of formal problems using complex construction and fabrication processes. Prerequisite: ARTS 3342 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3344. Metals IV.
An introduction to the ductile qualities of the metal medium through advanced forming and raising processes. In a series of artworks, students develop a personal aesthetic. Prerequisite: ARTS 3342.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3352. Painting II.
A series of projects synthesizing the elements and principles of pictorial composition that encourage individual creative solutions. Prerequisites: ARTS 2351.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3353. Painting III.
This course involves the development of personal imagery in painting through individualized projects. Prerequisite: ARTS 2351.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3354. Painting IV.
The conceptual and technical aspects of painting are developed through experimentation, research and evaluation. Prerequisite: ARTS 3353 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3361. Foundations of Photography II.
This course introduces black and white aesthetics and techniques within a traditional and digital context. Prerequisite: ARTS 2361 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3363. Alternative Photographic and Digital Processes.
This course places an emphasis on the conceptual and technical aspects of digital and photographic imaging using the chemistry and techniques of alternative printing methods. Prerequisites: ARTS 3361 and ARTS 3364 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3364. Introduction to Digital Photography.
This course introduces students to the aesthetics of current digital imaging technology, including new digital cameras, scanning equipment, Macintosh computers, image-manipulation programs and printing devices. Prerequisite: ARTS 2361 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3365. Studio Photography.
This course uses a studio environment to explore issues in controlled lighting in photography. Prerequisites: ARTS 3361 and ARTS 3364.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3366. Intermediate Digital Photography.
This course builds and expands upon the digital and analog concepts and techniques covered in Introduction to Digital Photography, ARTS 3364 and Foundations II, ARTS 3361. Prerequisite: ARTS 3364.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3367. Large Format Photography.
This course introduces the basic materials, processes, techniques, and aesthetics of large format photography. Prerequisite: ARTS 3361; ARTS 3364.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3372. Introduction to Printmaking: Intaglio and Lithography.
This course introduces intaglio (etching, drypoint, color printing) and stone lithographic print techniques. Techniques in traditional/analog and contemporary/digital are covered. Provides a historical, technical, visual, and conceptual foundation for printmaking. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305, ARTT 2372, or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3373. Intermediate Printmaking.
This course allows the student to pursue any of the introduction to print techniques (screen, relief, intaglio, litho) at an intermediate level. Provides both analog and digital tools, as well as demonstrations for making fine art prints. Prerequisite: ARTS 2371 or ARTS 3372.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3374. Advanced Printmaking Level One.
This course allows the student to pursue both technical and conceptual aspects of print at an advanced level. Technical demonstrations rotate on a three-semester basis. Prerequisite: ARTS 3373.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3376. Screen Printing.
This course introduces students to contemporary and traditional techniques in serigraphy (also known as screen printing) to produce a series of four in-depth, major creative projects. Repeatable for credit. Prerequisites: ARTF 1301 and ARTF 1302 and ARTF 1303 and ARTS 1305 or ARTC 1302, all with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3382. Sculpture II.
Development of a personal aesthetic direction with emphasis on the visual, conceptual and technical aspects of sculptural form. Prerequisites: ARTS 2381 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3383. Sculpture III.
Emphasizes personal aesthetic direction through the development of advanced metal casting and fabricating techniques. Prerequisite: ARTS 3382 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3384. Sculpture IV.
This course focuses on developing conceptual and technical skills through the creation of large-scale sculpture. Prerequisite: ARTS 3383 or ARTS 4308U.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3392. Watercolor II.
Continues the development of creative and technical skills through a series of structured watercolor projects. Prerequisite: ARTS 2391 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4000. Senior/Thesis Art Exhibition.
A senior level course in which all graduating students majoring in Studio Art with a studio specialization, Studio Art leading to All Level Certification, or in Photography, must participate during their last academic year. In consultation with thesis faculty, studio art and photography students will select work to exhibit from their Thesis I and Thesis II courses. Students earning teaching certification will select work to exhibit in consultation with art education faculty advisors.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4100. Special Problems in Studio Art.
This course provides the skills to prepare, package, and present written and professional documents and documentation of the creative work. The course also covers additional topics required for pursuing a professional career in the arts, building community, and preparing for post-BFA opportunities.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4200. Professional Practice and Portfolio.
This course covers professional topics required for pursuing a career in the arts, building community, and preparing for post-BFA opportunities. It is taken in conjunction with Thesis I-level classes; students develop written and professional documents and documentation of creative work.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4305. Expanded Media V.
This advanced studio course integrates contemporary theory and practice. Reading assignments and viewings serve as thematic prompts for students to create projects in an interdisciplinary manner. Experimentation and unexpected outcomes are encouraged. Prerequisite: ARTS 3302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4306. Expanded Media VI.
This course is the first half of Senior Thesis for students under the Expanded Media Specialization. It requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4305. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4307. Expanded Media VII.
This course is the second half of Senior Thesis for students under the Expanded Media Specialization. It requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4306. Corequisite: ARTS 4000.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4308D. Natural and Human Environment of Italy.
This courses uses Italy as the backdrop to enhance aesthetic understanding of both color (slide transparency) and black and white photography. A strong emphasis is placed on developing visual, conceptual and technical aspects of photography using advanced camera knowledge, chemistry, and sensitivity to local visual stimuli.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4308E. Fine Art Forging.
An introduction to the theories and processes of forging and blacksmithing for both ferrous and non-ferrous metals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4308I. Disegno a Firenze: Drawing in Florence.
Part of the summer program in Italy, this class focuses on drawing from various subjects in and around the city of Florence. Through daily practice, students will address not only the fundamentals of monochromatic drawing, but also the increased perception that the act of drawing engenders.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4308O. Graphic Novels and 'Zines.
This class will explore comics, zines, graphic novels and forms of narrative art as a contemporary medium. The student will be introduced to historical and contemporary examples, including cinema and printed matter. The student will create original work in comic strips, 'zines, graphic novellas and/or printed ephemera.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4308S. Mapping the City: Interdisciplinary Art in Urban Spaces.
This course will explore different methods of mapping (real and conceptual) utilitzed by contemporary artists and engage students in collaborative multidisciplinary projects. Students will build on their own interests and strengths, utilizing photography/video/interview formats/drawing/collage/etc., to build a portfolio of contemprary works. Prerequisite: ARTS 1305 with a grade of "D" or better.
3 Credit Hours. 48 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4308T. Digitally Handmade for Artists and Designers.
This class provides the fundamental skills for integrating digital fabrication technologies with other art making processes. Students will be introduced to digital design and fabrication using 3D modeling software, 3D printers, and CNC milling. A variety of materials will be taught through conceptual, technical, and creative problem solving. (Metals substitution).
3 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4308U. Soft Sculpture.
This course emphasizes personal aesthetic direction in sculpture through the study of numerous materials that are fiber based with an emphasis on contemporary practices in papermaking, sewing, surface design, and material manipulation. For students whose specialization in Sculpture, this may course may substitute for ArtS 3383 - Sculpture III. Prerequisite: ARTS 2381 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4308V. Visualizing the Culture of Beijing, China.
This course exposes students to the significance of data placed in visual context. Students will learn how data visualization can be used as a tool for cross-cultural communication and how first-hand knowledge of a foreign culture enhances design research methodologies based on their studies in Beijing, China.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4309A. Chinese Culture and Calligraphy.
This course explores Chinese art, culture, and language through calligraphy. By learning the Chinese language through calligraphy, students will identify the influence different written language systems can have on culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4312. Studio Art Internship.
A course designed to offer students the opportunity to experience and receive academic credit for professional related activities in the field of the studio arts. Requires consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4315. Ceramics V.
Development of the conceptual and technical aspects of ceramics through experimentation, research and evaluation. Prerequisite: ARTS 3314 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4316. Ceramics VI – Thesis I.
The first half of the Senior Thesis for ceramics majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4315. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4317. Ceramics VII – Thesis II.
The second half of the Senior Thesis for ceramics majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4316 with a grade of "D" or better. Corequisite: ARTS 4000 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4318. Ceramics Special Problems.
An advanced level, independent study in ceramics which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3313 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4325. Drawing V.
Requires students to pursue a personal conceptual direction in drawing and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. Prerequisite: ARTS 3324 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4326. Drawing VI – Thesis I.
The first half of the Senior Thesis for drawing majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4325. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4327. Drawing VII – Thesis II.
The second half of the Senior Thesis for drawing majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4326 with a grade of "D" or better. Corequisite: ARTS 4000 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4328. Drawing Special Problems.
An advanced level, independent study in drawing which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 4325.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4345. Metals V.
Focusing on the conceptual and technical aspects of the metal medium through experimentation, research and evaluation. Requires students to pursue a personal and conceptual direction and to produce a consistent body of artwork. Prerequisite: ARTS 3342.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4346. Metals VI – Thesis I.
The first half of the Senior Thesis for metals majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4345. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4347. Metals VII – Thesis II.
The second half of the Senior Thesis for metals majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4346 with a grade of "D" or better. Corequisite: ARTS 4000 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4348. Metals Special Problems.
An advanced level, independent study in metals which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3343.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4355. Painting V.
Requires students to pursue a personal conceptual direction in painting and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. Prerequisite: ARTS 3354 with a grade of D or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4356. Painting VI – Thesis I.
The first half of the Senior Thesis for painting majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4355. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4357. Painting VII – Thesis II.
The second half of the Senior Thesis for painting majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4356 with a grade of "D" or better. Corequisite: ARTS 4000 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4358. Painting Special Problems.
An advanced level, independent study in painting which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3353 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4360. Readings in Photography.
In this intensive writing course, students will read, write, and create studio projects in reaction to historical and contemporary written accounts of the history, practice, and interpretation of photography. (WI). Prerequisites: ARTH 3306, ARTH 3307, and ARTS 3366.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTS 4363. Color Photography and Digital Imaging.
This is a course in the aesthetics of color digital and photographic imaging and color prints made from transparencies. This course emphasizes developing the visual, conceptual and technical aspects of digital and photographic imaging using advanced camera knowledge and color chemistry for printing both color negative and digital files. Prerequisite: ARTS 4364.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4364. Advanced Digital Photography.
This course explores advanced concepts and techniques in digital photography. Prerequisite: ARTS 3366 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4366. Photography Thesis I.
This course is a senior-level course for photography majors requiring a series of related photographs. This course is the first half of the senior thesis. Prerequisite: ARTS 3365 and ARTS 3366. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4367. Photography Thesis II.
This course is the second half of the Senior Thesis for photography majors requiring a series of original photographs to be documented in a written creative statement. The course culminates in a senior thesis exhibition in the gallery. Prerequisite: ARTS 4360; ARTS 4364 and ARTS 4366. Corequisite: ARTS 4000.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4368. Fine Art Photography Special Problems.
An advanced level, independent study in photography which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Must be an Art major or minor to enroll. Prerequisites: ARTS 2361; ARTF 1301, ARTF 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4375. Advanced Printmaking Level Two.
The class challenges the student to make a suite of prints based on a single theme. While some new techniques may be introduced, the primary focus is on deepening the student's understanding of a particular print media. Prerequisite: ARTS 3374.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4376. Printmaking VI.
The student begins to create a conceptually linked body of work for their BFA. Written statements and other documentation are required, and priority is placed on the development of a personal and professional direction. Prerequisite: ARTS 4375. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4377. Printmaking VII.
The student completes their thesis work, culminating in participation in the Thesis Exhibition. Written statement, thesis and other professional documents are required, as is visual documentation of the thesis work. Emphasis is placed on a conceptually linked body of work and professional presentation. Prerequisite: ARTS 4376 with a grade of "D" or better. Corequisite: ARTS 4000 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4378. Printmaking Special Problems.
An advanced level, independent study in printmaking which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3373 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4379. Introduction to Book Arts.
This class examines the book as a complex visual and tactile art form. Demonstrations are given on traditional bindings from Asia and Europe. Students produce multiple mock-up books in addition to a major project of their choosing. Slide lectures introduce the history of books and an overview of contemporary artistic activity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4385. Sculpture V.
The conceptual and technical aspects of sculpture are developed through experimentation, research and evaluation. Requires students to pursue a personal and conceptual direction and to produce a consistent body of artwork. Prerequisite: ARTS 3384 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4386. Sculpture VI – Thesis I.
The first half of the Senior Thesis for sculpture majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4385. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4387. Sculpture VII – Thesis II.
The second half of the Senior Thesis for sculpture majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4386 with a grade of D or better. Corequisite: ARTS 4000 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4388. Sculpture Special Problems.
An advanced level, independent study in sculpture which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3383 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Courses in Art Theory and Practice (ARTT)

ARTT 2371. Fundamentals of Art Theory and Practice.
A survey and analysis of the theories and practices of art learning. Topics include: philosophy; history and theory of art learning; technology; artistic development; learning theories; assessment tools; program development; presentations and current realities; trends and issues. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTT 2372. Learning and Digital Media.
This course examines theories and practices of using electronic media for the creation of art as well as for enhancement of the art learning process. Prerequisite: ARTT 2371. Recommended co-requisite: ARTT 3373.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTT 3370. Art Theory and Practice.
Introduces the theories and practices of children's art learning for the non-art major.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTT 3372. Art Theory and Practice for Children.
A survey and analysis of the theories and practices of teaching art to children. Topics include artistic development, art programming, content, philosophies, methodologies, objectives and assessment. Requires 10 clock hours of field experience in an elementary art learning setting. Prerequisite: ARTT 2371 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTT 3373. Art Theory and Practice for Adolescents.
The theories and practices of adolescent art learning. Topics include: learning environments, artistic development, presentation methodologies, objectives and assessment, and other current topics. Requires 10 clock hours of field experience in a secondary school art setting. Prerequisite: ARTT 2371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTT 3375. Experimental Water Media.
Upper level elective for studio majors. Fills teaching certification watercolor requirement. Students will experiment with water media, including watercolor, egg tempera, gouache, and mixed media on a variety of surfaces, including yupo and gessoed paper. Students will explore mixed media with watercolor. Justification: Future teachers need to develop skills in a wide range of water media, on a wide range of paper including yupo, and in combining watercolor with media, such as prismacolors, markers, water soluble markers and pencils and collage. These things are not covered in the watercolor studio course. The course would also serve as an elective for studio art majors who want to explore multiple media with watercolor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTT 4000. Senior Art Education Exhibition.
A senior level course in which all graduating Art Education Seniors must participate during their last academic year. Work will be examined and produced leading to a showing in one of the Senior Student Exhibitions.
0 Credit Hours. 0 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ARTT 4375. Pedagogy of Art Criticism, History & Aesthetics.
A survey and in-depth analysis of the philosophies and structures of art criticism, art history, and aesthetics, as well as contemporary methodologies for analyzing, interpreting and judging works of art. Prerequisite: ARTT 2371 with a grade of "C" or better, or consent of instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTT 4376. Special Problems in Art Theory and Practice.
Individualized study focusing on personal skill and knowledge development related to art learning experiences. Research will include a review of literature, a design for practical experience, and documentation of results and conclusions. May be repeated with different emphasis for additional credit. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTT 4377. Pedagogy for Art Educators.
This course is the capstone course for art education majors and offers advanced K-12 pedagogy that supports the development of curriculum and a teaching portfolio. Students are required to participate in service learning fieldwork for a minimum of 6 hours. Prerequisites: ARTT 2371 with at least a C; Corequisites: Prior credit or enrolled in ARTT 3372, ARTT 3373, ARTT 4375, or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTT 4380A. Computer Art.
An advanced level elective designed to examine and apply various techniques of creating and utilizing computer art for use in teaching art in the public schools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTT 4380D. Art Education in the Community.
This course will provide a service learning environment to explore the ways that art education theory can be applied to community environments in order to enable positive social change. The course reconsiders the role of the art educator in the context of the social sector. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics
Grade Mode: Standard Letter

ARTT 4380E. Storying Identity in Art & Culture.
This course explores identity as a construct made of individual and cultural components. Coursework is informed by auto-ethnographic traditions that consider artmaking (e.g., stories, poems, visual art) as an indicator of learning and development. Activities include daily journaling, peer critique, and making creative multimedia life-stories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTT 4380F. Art Education Studio Preparation Portfolio.
This is a studio mentorship course designed for beginning, intermediate, and advanced Art Education students. The course allows students the opportunity to develop theoretical, conceptual, ethical, critical, and post-critical perspectives to frame, re-frame, assess, and articulate their artistic inquiry. It invites students to create exploratory and preparatory artwork that supports the development of a cohesive and personal body of work leading to their BFA Thesis Exhibition in a future semester. Prerequisite: ARTT 2371 with a grade of "C" or better. Corequisite: ARTT 2372 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in Art

Minimum required: 120 semester credit hours

General Requirements

1. General education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. A minor is required. Some minors may exceed 24 hours. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. Students must complete 39 hours of art.
5. Students must complete 36 advanced hours.
6. Prerequisites for all advanced Art classes must be met. Students must be aware that the 2000 level ARTS classes chosen will determine the advanced ARTS classes they are eligible to take.

Course Requirements

Freshman	Hours
ARTF 1301	3
ARTF 1302	3
ARTF 1303	3
ARTS 1305	3
Select one of the following:	3
ARTS 2321	
ARTS 2351	
ARTS 2371	
ARTS 2391	
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
COMM 1310 (Component Area Option Code 090/091)	3
Modern Language 1410	4
US 1100	1
	32

Sophomore	Hours
Select one of the folllowing:	3
ARTS 2311	
ARTS 2341	
ARTS 2381	
ARTH 2301	3
ARTH 2302	3
ENG Literature (Component Area Option Code 090/094)	3
Mathematics Component Code 020	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Modern Language 1420	4
HIST 1310 (American History Component Code 060)	3
Minor	6
	31

Junior	Hours
ARTH 3301	3
ART Advanced Electives	3
Life & Physical Sciences Component Code 030	6
POSI 2310 (Government/Political Science Component Code 070)	3
HIST 1320 (American History Component Code 060)	3
Modern Language 2310	3
Modern Language 2320	3
Minor	3
	27

Senior	Hours
ARTH 3307	3
ART advanced electives	6
BA ENG Literature	3
Social & Behavioral Sciences Component Code 080	3
POSI 2320 (Government/Political Science Component Code 070)	3
BA Computer Science, Logic, Mathematics or science	3
Minor	9
	30

Total Hours: 120

Bachelor of Arts (B.A.) Major in Art History

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must complete 39 hours of art.
4. A minor is required. A French or German minor is recommended. Some minors may exceed 24 hours. Other minors may be found in the list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Students must complete 36 advanced hours.
6. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

Course Requirements

Freshman	Hours
ARTF 1301	3
ARTH 2301	3
ARTH 2302	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
COMM 1310 (Component Area Option Code 090/091)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
US 1100	1
Modern Language 1410 (FR or GER recommended)	4
Modern Language 1420 (FR or GER recommended)	4
	30

Sophomore	Hours
ARTF 1302	3
ARTH 3301	3
ARTH 3306	3
ARTH 3307	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
Modern Language 2310 (FR or GER recommended)	3
ENG Literature (Component Area Option Code 090/094)	3
Modern Language 2320 (FR or GER recommended)	3
	30

Junior	Hours
ARTH Advanced Electives	3
ARTH 3300	3
BA ENG Literature	3
Social & Behavioral Sciences Component Code 080	3
Life & Physical Sciences Component Code 030	3
Mathematics Component Code 020	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
Minor	6
	30

Senior	Hours
ARTH 4323[1]	3
ARTH Advanced Electives	6
BA Computer Science, Logic, Mathematics or science	3
Life & Physical Sciences Component Code 030	3
Minor	9
Free Elective (if needed)	3
ARTH 4324[1]	3
	30

Total Hours: 120

[1] Students will complete ARTH 4323, Thesis I, during the Fall semester of their Senior Year and ARTH 4324, Thesis II, during the Spring semester of their Senior Year.

Bachelor of Fine Arts (B.F.A.) Major in Communication Design

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Fine Arts (B.F.A.) degree with a major in Communication Design requires admission to the university

and admission to the program. Information about the program admissions can be found at: http://www.finearts.txstate.edu/Art/academics/undergrad/ugrad-comdes.html

2. Admission requirements for the B.F.A. major in Communication Design are more restrictive than those of the University, and enrollment is limited to provide students with a quality experience. All applicants who indicate Communication Design as their preferred major will be assigned a temporary status/major code of Pre-Communication Design. In addition to meeting Texas State's general admission criteria, all students intending to major in Communication Design must pass ARTC 2000, earn a minimum grade of B in ARTC 1301 and ARTC 1302, and have a minimum Overall GPA of 2.75 to be admitted into the program. Admission Portfolio Review is a competitive formal review of creative work, conducted by Communication Design faculty. Native and transfer students will register for ARTC 2000 during the earliest semester in which they will meet all eligibility requirements. Students who do not pass ARTC 2000 may register for a future review, but will be allowed only one more attempt. Pre-Communication Design majors will not be permitted to enroll in 2000 – 4000 level Communication Design courses until they have met all requirements and have been formally admitted to the program. Requirements for admission to the Communication Design program are:

- A minimum Overall GPA of 2.75
- A passing grade of "CR" in ARTC 2000
- A minimum grade of "B" in ARTC 1301
- A minimum grade of "B" in ARTC 1302

General Requirements

1. The major is a three-and-a-half year, sequenced curriculum that requires a minimum three-year residency at Texas State.
2. All Communication Design (ARTC) courses must be completed at Texas State.
3. A minimum of 120 hours are required in this degree program including:

a) US 1100 - not required for all students. Check with your Academic Advisor prior to enrolling in this course.

b) 42 hours in the general education core curriculum. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

c) 77 hours in the major.

4. All course requirements must be met.

5. All prerequisites must be met.

6. A minimum 2.75 Major GPA is required for graduation.

a) In addition to the program specific 2.75 major GPA, all general graduation requirements (p. 56) must be met.

7. Attendance during summer is recommended to allow time for intensive work in ARTC courses during regular/long semesters. This intensive work leads to, and may be incorporated in, the production of the final portfolio during the senior year.

a) A maximum of 12 hours are recommended each semester of the freshman year, while enrolled in ARTF 1301, ARTF 1302, ARTC 1301, ARTC 1302 and ARTC 2000. Students who are required to take US 1100 will enroll in 13 hours in the first semester.

b) A maximum of 12 hours are recommended each semester of the junior and senior year.

8. ARTC 4200 must be taken concurrently with ARTC 4315.

9. Sequenced ARTC courses, including ARTC 4200 and ARTC 4315, and are not offered in the summer.

10. Advanced ARTC electives may be offered during summer terms. To enroll in these courses, prerequisites must be met.

11. To meet degree requirements in four years:

a) Complete ARTF 1301 and ARTF 1302 during the freshman year.

b) Meet all admission requirements, no later than the first semester of the Sophomore year.

c) Stay on sequence with ARTC courses.

d) Pass all ARTC courses on the first attempt.

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
ARTF 1301	3	ARTC 1301	3
ARTF 1302	3	ARTC 1302	3
ENG 1310 (Communication Component Code 010)	3	ARTC 2000	0
US 1100[2]	1	ARTH 2301	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	ENG 1320 (Communication Component Code 010)	3
	13		12

Sophomore

Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
ARTC 2303	3	ARTC 3307	3	ARTH 2302	3
ARTC 2304	3	ARTC 3320	3	HIST 1320 (American History Component Code 060)	3
ARTF 1303	3	HIST 1310 (American History Component Code 060)	3	3D Studio Art	3

Mathematic Component Code 020	3	2D Studio Art	3	COMM 1310 (Component Area Option Code 090/091)	3
	12		12		12

Fall Semester	Hours	Spring Semester	Hours	Summer	Junior Hours
ARTC 3301	3	ARTC 3304	3	POSI 2310 (Government/ Political Science Component Code 070)	3
ARTC 3303	3	ARTC 4308	3	Advanced ARTC Elective	3
ARTC 3316	3	2D Studio Art	3	2D Studio Art	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3	Social & Behavioral Sciences Component Code 080	3
	12		12		12

Fall Semester	Hours	Spring Semester	Hours	Senior
Advanced ARTC Electives	6	ARTC 4200[1]	2	
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	ARTC 4315	3	
POSI 2320 (Government/ Political Science Component Code 070)	3	Advanced ARTC Elective	3	
		ENG Literature (Component Area Option Code 090/094)	3	
	12		11	

Total Hours: 120

1 ARTC 4200 is a 2-hour course. Speak with your Academic Advisor prior to junior year if you will need to take more than 11 hours of coursework during the final semester.

2 To complete the minimum 120 hours required for this degree program, students who are not required to take US 1100 and who do not have credit for open elective hours, will need to make up that 1 hour of credit. Only students who are in a PACE Cohort are required to take US 1100.

3 ARTS 2301 will be used to meet one course requirement, as either a 2D Studio Art course or a 3D Studio Art course. It will not count in more than one area.

Course Options in the Major

Code	Title	Hours
Choose 3 courses in 2D Studio Art from the following:		
ARTS 2301	Expanded Media I	
ARTS 2351	Painting I	
ARTS 2361	Foundations of Photography I	
ARTS 2371	Introduction to Printmaking: Screen and Relief	
ARTS 2391	Watercolor I	
ARTS 3376	Screen Printing	
Any 2D ARTS Topics Course from ARTS 4308 or ARTS 4309		

Code	Title	Hours
Choose 1 course in 3D Studio Art from the following:		
ARTS 2301	Expanded Media I	
ARTS 2311	Ceramics I	
ARTS 2341	Metals I	
ARTS 2381	Sculpture I	
Any 3D ARTS Topics Course from ARTS 4308 or ARTS 4309		

Code	Title	Hours
Advanced Art Elective from the following:		
Choose 1 course from 3000 or 4000 level ARTC, ARTH, ARTS, or ARTT courses		
Transfer courses that are evaluated as Advanced Art Electives (ELADV in ART, ARTC, ARTH, ARTS and ARTT) will meet this requirement.		
Co-requisites and/or prerequisites will not be waived.		

Code	Title	Hours
Advanced Communication Design from the following:		
Choose 3 courses from 3000 or 4000 level ARTC courses which are not otherwise required in the major.		
Co-requisites and/or prerequisites will not be waived.		

Bachelor of Fine Arts (B.F.A.) Major in Photography

Minimum required: 120 semester credit hours

General Requirements

1. The major requires a minimum three-year residency at Texas State.
2. A minimum of 120 hours are required in this degree program including:

a) US 1100 is not required for all students. Check with your Academic Advisor prior to enrolling in this course.

b) 42 hours in the general education core curriculum. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

c) 77 hours in the major

3. All graduation requirements must be met.

4. All course requirements must be met.

5. All prerequisites must be met.

6. Attendance during summer is recommended to allow time for intensive work in Photography courses during regular/long semesters. This intensive work leads to the production of the Thesis work that is required for the portfolio and exhibition during the senior year.

a) A maximum of 12 hours are recommended each semester of the freshman year, while enrolled in Art Foundation courses and ARTS 1305. Students who are required to take US 1100 will enroll in 13 hours in the first semester.

b) A maximum of 12 hours are recommended each semester of the senior year while enrolled in ARTS 4366 and ARTS 4367.

7. ARTS 4200 must be taken concurrently with ARTS 4366.

8. ARTS 4000 must be taken concurrently with ARTS 4367.

9. To meet degree requirements in four years:

a) Complete all required Art Foundation courses and ARTS 1305 in the freshman year, as listed.

b) Stay on sequence with Photography courses.

10. Consult with your Academic Advisor if it is not possible to attend summer sessions.

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
ARTF 1301	3	ARTF 1303	3
ARTF 1302	3	ARTS 1305	3
ENG 1310 (Communication Component Code 010)	3	ARTH 2301	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	ENG 1320 (Communica Component Code 010)	3
US 1100[2]	1		
	13		12

Sophomore

Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
ARTS 2361	3	ARTS 3361	3	2D Studio Art	3
ARTS 3322	3	ARTS 3364	3	3D Studio Art	3
ARTH 2302	3	ARTH 3301	3	HIST 1320 (American History Component Code 060)	3
Mathematic Component Code 020	3	HIST 1310 (American History Component Code 060)	3	COMM 131C (Component Area Option Code 090/091)	3
	12		12		12

Junior

Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
ARTS 3365	3	ARTS 4364	3	Art Electives	6
ARTS 3367	3	ARTH 3307	3	POSI 2310 (Governmen Political Science Component Code 070)	3
ARTH 3306	3	Art Elective	3	Social & Behavioral Sciences Component Code 080	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3		
	12		12		12

		Senior	
Fall Semester	**Hours**	**Spring Semester**	**Hours**
ARTS 4200	2	ARTS 4000	0
ARTS 4360	3	ARTS 4367	3
ARTS 4366	3	ART Elective	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	ENG Literature (Component Area Option Code 090/094)	3
		POSI 2310 (Government/ Political Science Component Code 070)	3
	11		12

Total Hours: 120

[1] ARTS 4200 is a 2-hour course. Speak with your Academic Advisor prior to junior year if you will need to take more than 11 hours of coursework during the final semester.

[2] To complete the minimum 120 hours required for this degree program, students who are not required to take US 1100 and who do not have credit for open elective hours, will need to make up that 1 hour of credit. Only students who are in a PACE Cohort are required to take US 1100.

[3] ARTS 2301 will be used to meet one course requirement, as either a 2D Studio Art course or a 3D Studio Art course. It will not count in more than one area.

Course Options in the Major

Code	**Title**	**Hours**
Choose 1 course in 2D Studio Art from the following:		
ARTS 2301	Expanded Media I [3]	
ARTS 2351	Painting I	
ARTS 2371	Introduction to Printmaking: Screen and Relief	
ARTS 2391	Watercolor I	
ARTS 3376	Screen Printing	
ARTT 3375	Experimental Water Media	
Any 2D ARTS Topics Course from ARTS 4308 or ARTS 4309		

Code	**Title**	**Hours**
Choose 2 courses in 3D Studio Art from the following:		
ARTS 2301	Expanded Media I [3]	
ARTS 2341	Metals I	
ARTS 2381	Sculpture I	
Any 3D ARTS Topics Course from ARTS 4308 or ARTS 4309		

Code	**Title**	**Hours**
Art Electives from the following:		
Choose 4 courses from ARTC, ARTH, ARTS, or ARTT		

Transfer courses that are evaluated as Art Electives (ELNA in Art, ARTC, ARTH, ARTS and ARTT) will meet this requirement.

Transfer courses that are evaluated as Advanced Art Electives (ELADV in Art, ARTC, ARTH, ARTS and ARTT) will meet this requirement.

Co-requisites and/or prerequisites will not be waived.

Only Communication Design majors may enroll in advanced level ARTC courses.

Bachelor of Fine Arts (B.F.A.) Major in Studio Art (Ceramics Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. This major requires a minimum three-year residency at Texas State.
2. A minimum of 120 hours are required in this degree program including:

a) US 1100 - not required for all students. Check with your Academic Advisor prior to enrolling in this course.

b) 42 hours in the general education core curriculum. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

c) 77 hours in the major

3. All graduation requirements must be met.

4. All course requirements must be met.

5. All prerequisites must be met.

6. Attendance during summer is recommended to allow time for intensive work in the concentration during regular/long semesters. This intensive work leads to the production of the Thesis work that is required for the portfolio and exhibition during the senior year.

a) A maximum of 12 hours are recommended each semester of the freshman year while enrolled in Art Foundation courses and ARTS 1305. Students who are required to take US 1100 will enroll in 13 hours in the first semester.

b) A maximum of 12 hours are recommended each semester of the senior year while enrolled in ARTS 4316 and ARTS 4317.

7. ARTS 4200 must be taken concurrently with ARTS 4316.

8. ARTS 4000 must be taken concurrently with ARTS 4317.

9. ARTS 4200, ARTS 4316, ARTS 4317, and ARTS 4000 are not offered in the summer.

10. To meet degree requirements in four years:

a) Complete all required Art Foundation courses and ARTS 1305 in the freshman year, as listed.

b) Stay on sequence with courses in the concentration.

c) One level of the concentration must be completed in the summer, because courses in the concentration are sequenced, and must be taken in order.

11. Consult with your Academic Advisor if it is not possible to attend summer sessions.

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
ARTF 1301	3	ARTF 1303	3
ARTF 1302	3	ARTH 2301	3
ENG 1310 (Communication Component Code 010)	3	ARTS 1305	3
US 1100[2]	1	ENG 1320 (Communica Component Code 010)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		
	13		12

Sophomore

Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
ARTH 2302	3	ARTH 3301	3	ARTS 3313	3
ARTS 2311	3	ARTS 3312	3	HIST 1320 (American History Component Code 060)	3
ARTS 2321	3	HIST 1310 (American History Component Code 060)	3	2D Studio Art	3
Mathematic Component Code 020	3	3D Studio Art	3	COMM 131C (Component Area Option Code 090/091)	3
	12		12		12

Junior

Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
ARTH 3307	3	ARTS 4315	3	POSI 2310 (Government/ Political Science Component Code 070)	3
ARTS 3314	3	Art Elective	3	Advanced Art Elective	3
ARTS 3322	3	3D Studio Art	3	Art Elective	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3	Social & Behavioral Sciences Component Code 080	3
	12		12		12

Senior

Fall Semester	Hours	Spring Semester	Hours
ARTS 4200	2	ARTS 4000	0
ARTS 4316	3	ARTS 4317	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	Advanced Art Elective	3
POSI 2320 (Governmen Political Science Component Code 070)	3	ENG Literature (Component Area Option Code 090/094)	3
Advanced Art Elective	3		
	14		9

Total Hours: 120

1 ARTS 4200 is a 2-hour course. Speak with your Academic Advisor prior to junior year if you will need to take more than 11 hours of coursework during the final semester.

2 To complete the minimum 120 hours required for this degree program, students who are not required to take US 1100 and who do not have credit for open elective hours, will need to make up that 1 hour of credit.

3 ARTS 2301 will be used to meet one course requirement, as either a 2D Studio Art course, a 3D Studio Art course or an Art Elective. It will not count in more than one area.

Course Options in the Major

Code	Title	Hours
Choose 1 course in 2D Studio Art from the following:		
ARTS 2301	Expanded Media I [3]	

ARTS 2351	Painting I
ARTS 2361	Foundations of Photography I
ARTS 2371	Introduction to Printmaking: Screen and Relief
ARTS 2391	Watercolor I
ARTS 3376	Screen Printing
ARTT 3375	Experimental Water Media
Any 2D ARTS Topics Course from ARTS 4308 or ARTS 4309	

Code	Title	Hours
Choose 2 courses in 3D Studio Art from the following:		
ARTS 2301	Expanded Media I [3]	
ARTS 2341	Metals I	
ARTS 2381	Sculpture I	
Any 3D ARTS Topics Course from ARTS 4308 or ARTS 4309		

Code	Title	Hours
Art Electives from the following:		
Choose 2 courses from ARTC, ARTH, ARTS, or ARTT		
Transfer courses that are evaluated as Arts Electives (ELNA in Art, ARTC, ARTH, ARTS and ARTT) will meet this requirement.		
Co-requisites and/or prerequisites will not be waived.		

Code	Title	Hours
Advanced Art Electives from the following:		
Choose 3 courses 3000-level or 4000-level from ARTC, ARTH, ARTS, or ARTT.		
Transfer courses that are evaluated as Advanced Art Electives (ELADV in ART, ARTC, ARTH, ARTS or ARTT) will meet this requirement.		
Co-requisites and/or prerequisites will not be waived.		
Only Communication Design majors may enroll in advanced level ARTC courses.		

Bachelor of Fine Arts (B.F.A.) Major in Studio Art (Drawing Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. This major requires a minimum three-year residency at Texas State.
2. A minimum of 120 hours are required in this degree program including:

a) US 1100 - not required for all students. Check with your Academic Advisor prior to enrolling in this course.

b) 42 hours in the general education core curriculum. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

c) 77 hours in the major

3. All graduation requirements must be met.

4. All course requirements must be met.

5. All prerequisites must be met.

6. Attendance during summer is recommended to allow time for intensive work in the concentration during regular/long semesters. This intensive work leads to the production of the Thesis work that is required for the portfolio and exhibition during the senior year.

a) A maximum of 12 hours are recommended each semester of the freshman year while enrolled in Art Foundation courses and ARTS 1305. Students who are required to take US 1100 will enroll in 13 hours in the first semester.

b) A maximum of 12 hours are recommended each semester of the senior year while enrolled in ARTS 4326 and ARTS 4327.

7. ARTS 4200 must be taken concurrently with ARTS 4326.

8. ARTS 4000 must be taken concurrently with ARTS 4327.

9. ARTS 4200, ARTS 4326 ,ARTS 4327 and ARTS 4000 are not offered in the summer.

10. To meet degree requirements in four years:

a) Complete all required Art Foundation courses and ARTS 1305 in the freshman year, as listed.

b) Stay on sequence with courses in the concentration.

c) One level of the concentration must be completed in the summer, because courses in the concentration are sequenced, and must be taken in order.

11. Consult with your Academic Advisor if it is not possible to attend summer sessions.

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
ARTF 1301	3	ARTF 1303	3
ARTF 1302	3	ARTS 1305	3
US 1100[2]	1	ARTH 2301	3
ENG 1310 (Communica Component Code 010)	3	ENG 1320 (Communica Component Code 010)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		
	13		12

Sophomore

Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
ARTS 2321	3	ARTS 3322	3	Art Elective	6

ARTH 2302	3	ARTS 3323	3	HIST 1320 (American History Component Code 060)	3
3D Studio Art	3	2D Studio Art	3	COMM 1310 (Component Area Option Code 090/091)	3
Mathematic Component Code 020	3	HIST 1310 (American History Component Code 060)	3		
	12		12		12

Fall Semester	Hours	Spring Semester	Hours	Summer	Junior Hours
ARTS 3324	3	ARTS 4325	3	Art Elective	3
ARTH 3301	3	ARTH 3307	3	Advanced Art Elective	3
3D Studio Art	3	Advanced Art Elective	3	POSI 2310 (Government/ Political Science Component Code 070)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3	Social & Behavioral Sciences Component Code 080	3
	12		12		12

Fall Semester	Hours	Spring Semester	Hours	Senior
ARTS 4200	2	ARTS 4000	0	
ARTS 4326	3	ARTS 4327	3	
Advanced Art Elective	3	Advanced Art Elective	3	
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	ENG Literature (Component Area Option Code 090/094)	3	
POSI 2320 (Government/ Political Science Component Code 070)	3			
	14		9	

Total Hours: 120

1 ARTS 4200 is a 2-hour course. Speak with your Academic Advisor prior to junior year if you will need to take more than 11 hours of coursework during the final semester.

2 To complete the minimum 120 hours required for this degree program, students who are not required to take US 1100 and who do not have credit for open elective hours, will need to make up that 1 hour of credit.

3 ARTS 2301 will be used to meet one course requirement, as either a 2D Studio Art course, a 3D Studio Art course or an Art Elective. It will not count in more than one area.

Course Options in the Major

Code	Title	Hours
Choose 1 course in 2D Studio Art from the following:		
ARTS 2301	Expanded Media I [3]	
ARTS 2351	Painting I	
ARTS 2361	Foundations of Photography I	
ARTS 2371	Introduction to Printmaking: Screen and Relief	
ARTS 2391	Watercolor I	
ARTS 3376	Screen Printing	
ARTT 3375	Experimental Water Media	
Any 2D ARTS Topics Course from ARTS 4308 or ARTS 4309		

Code	Title	Hours
Choose 2 courses in 3D Studio Art from the following:		
ARTS 2301	Expanded Media I [3]	
ARTS 2311	Ceramics I	
ARTS 2341	Metals I	
ARTS 2381	Sculpture I	
Any 3D ARTS Topics Course from ARTS 4308 or ARTS 4309		

Code	Title	Hours
Art Electives from the following:		
Choose 3 courses from ARTC, ARTH, ARTS, or ARTT		
Transfer courses that are evaluated as Art Electives (ELNA in Art, ARTC, ARTH, ARTS and ARTT) will meet this requirement.		
Co-requisites and/or prerequisites will not be waived.		

Code	Title	Hours
Advanced Art Electives from the following:		
Choose 4 courses 3000 or 4000-level from ARTC, ARTH, ARTS, or ARTT.		
Transfer courses that are evaluated as Advanced Art Electives (ELADV in ART, ARTC, ARTH, ARTS or ARTT) will meet this requirement.		
Co-requisites and/or prerequisites will not be waived.		
Only Communication Design majors may enroll in advanced level ARTC courses.		

Bachelor of Fine Arts (B.F.A.) Major in Studio Art (Expanded Media Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The B.F.A. major in Studio Art requires a minimum three-year residency at Texas State.
2. A minimum of 120 hours are required in this degree program including:

a) US 1100 - not required for all students. Check with your Academic Advisor prior to enrolling in this course.

b) 42 hours in the general education core curriculum. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

c) 77 hours in the major

3. All graduation requirements must be met.

4. All course requirements must be met.

5. All prerequisites must be met.

6. Attendance during summer is recommended to allow time for intensive work in the concentration during regular/long semesters. This intensive work leads to the production of the Thesis work that is required for the portfolio and exhibition during the senior year.

a) A maximum of 12 hours are recommended each semester of the freshman year while enrolled in Art Foundation courses and ARTS 1305. Students who are required to take US 1100 will enroll in 13 hours in the first semester.

b) A maximum of 12 hours are recommended each semester of the senior year while enrolled in ARTS 4306 and ARTS 4307.

7. ARTS 4200 must be taken concurrently with ARTS 4306.

8. ARTS 4000 must be taken concurrently with ARTS 4307.

9. ARTS 4200, ARTS 4306, ARTS 4307, and ARTS 4000 are not offered in the summer.

10. To meet degree requirements in four years:

a) Complete all required Art Foundation courses and ARTS 1305 in the freshman year, as listed.

b) Stay on sequence with courses in the concentration.

c) One level of the concentration must be completed in the summer, because courses in the concentration are sequenced, and must be taken in order.

11. Consult with your Academic Advisor if it is not possible to attend summer sessions.

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
ARTF 1301	3	ARTF 1303	3
ARTF 1302	3	ARTS 1305	3
ENG 1310 (Communication Component Code 010)	3	ARTH 2301	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	ENG 1320 (Communica Component Code 010)	3
US 1100[2]	1		
	13		12

Sophomore

Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
ARTS 2301[3]	3	ARTS 3302	3	3D Studio Art	3
ARTS 2361	3	ARTS 3303[4]	3	ARTH 2302	3
ARTS 2381	3	ARTH 3301	3	HIST 1320 (American History Component Code 060)	3
Mathematic Component Code 020	3	HIST 1310 (American History Component Code 060)	3	COMM 131((Component Area Option Code 090/091)	3
	12		12		12

Junior

Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
ARTS 3304	3	ARTS 4305	3	Art Elective	3
ARTH 3307	3	2D Studio Art	3	Advanced Art Elective	3
ARTS 3322	3	Art Elective	3	POSI 2310 (Government/ Political Science Component Code 070)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3	Social & Behavioral Sciences Component Code 080	3
	12		12		12

Senior			
Fall Semester	Hours	Spring Semester	Hours
ARTS 4200	2	ARTS 4000	0
ARTS 4306	3	ARTS 4307	3
Advanced Art Elective	3	Advanced Art Elective	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	ENG Literature (Component Area Option Code 090/094)	3
POSI 2320 (Government/ Political Science Component Code 070)	3		
	14		9

Total Hours: 120

1 ARTS 4200 is a 2-hour course. Speak with your Academic Advisor prior to junior year if you will need to take more than 11 hours of coursework during the final semester.

2 To complete the minimum 120 hours required for this degree program, students who are not required to take US 1100 and who do not have credit for open elective hours, will need to make up that 1 hour of credit.

3 ARTS 2301 will be used to meet one course requirement, as either a 2D Studio Art course, a 3D Studio Art course or an Art Elective. It will not count in more than one area.

Course Options in the Major

Code	Title	Hours
Choose 1 course in 2D Studio Art from the following:		
ARTS 2321	Drawing I	
ARTS 2351	Painting I	
ARTS 2371	Introduction to Printmaking: Screen and Relief	
ARTS 2391	Watercolor I	
ARTS 3376	Screen Printing	
ARTT 3375	Experimental Water Media	
Any 2D ARTS Topics Course from ARTS 4308 or ARTS 4309		

Code	Title	Hours
Choose 1 course in 3D Studio Art from the following:		
ARTS 2311	Ceramics I	
ARTS 2341	Metals I	
Any 3D ARTS Topics Course from ARTS 4308 or ARTS 4309		

Code	Title	Hours
Art Electives from the following:		
Choose 2 courses from ARTC, ARTH, ARTS, or ARTT		
Transfer courses that are evaluated as Art Electives (ELNA in Art, ARTC, ARTH, ARTS and ARTT) will meet this requirement.		
Co-requisites and/or prerequisites will not be waived.		

Code	Title	Hours
Advanced Art Electives from the following:		
Choose 3 courses from 3000 or 4000-level from ARTC, ARTH, ARTS, or ARTT.		
Transfer courses that are evaluated as Advanced Art Electives (ELADV in ART, ARTC, ARTH, ARTS or ARTT) will meet this requirement.		
Co-requisites and/or prerequisites will not be waived.		
Only Communication Design majors may enroll in advanced level ARTC courses.		

Bachelor of Fine Arts (B.F.A.) Major in Studio Art (Metals Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The B.F.A. major in Studio Art requires a minimum three-year residency at Texas State.
2. A minimum of 120 hours are required in this degree program including:

a) US 1100 - not required for all students. Check with your Academic Advisor prior to enrolling in this course.

b) 42 hours in the general education core curriculum. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

c) 77 hours in the major

3. All graduation requirements must be met.

4. All course requirements must be met.

5. All prerequisites must be met.

6. Attendance during summer is recommended to allow time for intensive work in the concentration during regular/long semesters. This intensive work leads to the production of the Thesis work that is required for the portfolio and exhibition during the senior year.

a) A maximum of 12 hours are recommended each semester of the freshman year while enrolled in Art Foundation courses and ARTS 1305. Students who are required to take US 1100 will enroll in 13 hours in the first semester.

b) A maximum of 12 hours are recommended each semester of the senior year while enrolled in ARTS 4346 and ARTS 4347.

7. ARTS 4200 must be taken concurrently with ARTS 4346.

8. ARTS 4000 must be taken concurrently with ARTS 4347.

9. ARTS 4200, ARTS 4346, ARTS 4347, and ARTS 4000 are not offered in the summer.

10. To meet degree requirements in four years:

a) Complete all required Art Foundation courses and ARTS 1305 in the freshman year, as listed.
b) Stay on sequence with courses in the concentration.
c) One level of the concentration must be completed in the summer, because courses in the concentration are sequenced, and must be taken in order.

11. 10.Consult with your Academic Advisor if it is not possible to attend summer sessions.

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
ARTF 1301	3	ARTF 1303	3
ARTF 1302	3	ARTS 1305	3
ENG 1310 (Communication Component Code 010)	3	ARTH 2301	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	ENG 1320 (Communica Component Code 010)	3
US 1100[2]	1		
	13		12

Sophomore

Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
ARTH 2302	3	ARTH 3301	3	ARTS 3343	3
ARTS 2341	3	ARTS 2321	3	2D Studio Art	3
3D Studio Art	3	ARTS 3342	3	HIST 1320 (American History Component Code 060)	3
MATH 1315 1316, or 1319 (Mathemati Component Code 020)	3	HIST 1310 (American History Component Code 060)	3	COMM 131C (Component Area Option Code 090/091)	3
	12		12		12

Junior

Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
ARTH 3307	3	ARTS 4345	3	Art Elective	3
ARTS 3322	3	3D Studio Art	3	Advanced Art Elective	3
ARTS 3344	3	Art Elective	3	POSI 2310 (Government/ Political Science Component Code 070)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3	Social & Behavioral Sciences Component Code 080	3
	12		12		12

Senior

Fall Semester	Hours	Spring Semester	Hours
ARTS 4200	2	ARTS 4000	0
ARTS 4346	3	ARTS 4347	3
Advanced Art Elective	3	Advanced Art Elective	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	ENG Literature (Component Area Option Code 090/094)	3
POSI 2320 (Government/ Political Science Component Code 070)	3		
	14		9

Total Hours: 120

1 ARTS 4200 is a 2-hour course. Speak with your Academic Advisor prior to junior year if you will need to take more than 11 hours of coursework during the final semester.

2 To complete the minimum 120 hours required for this degree program, students who are not required to take US 1100 and who do not have credit for open elective hours, will need to make up that 1 hour of credit.

3 ARTS 2301 will be used to meet one course requirement, as either a 2D Studio Art course, a 3D Studio Art course or an Art Elective. It will not count in more than one area.

Course Options in the Major

Code	Title	Hours
Choose 1 course in 2D Studio Art from the following:		
ARTS 2301	Expanded Media I [3]	3
ARTS 2351	Painting I	3
ARTS 2361	Foundations of Photography I	3
ARTS 2371	Introduction to Printmaking: Screen and Relief	3
ARTS 2391	Watercolor I	3
ARTS 3376	Screen Printing	3

ARTT 3375	Experimental Water Media	3

Any 2D ARTS Topics Course from ARTS 4308 or ARTS 4309

Code	Title	Hours
Choose 2 courses in 3D Studio Art from the following:		
ARTS 2301	Expanded Media I [3]	3
ARTS 2311	Ceramics I	3
ARTS 2381	Sculpture I	3

Any 2D ARTS Topics Course from ARTS 4308 or ARTS 4309

Code	Title	Hours
Art Electives		
Choose 2 courses from ARTC, ARTH, ARTS or ARTT		
Transfer courses that are evaluated as Art Electives (ELNA in ART, ARTC, ARTH, ARTS and ARTT) will meet this requirement.		
Co-requisites and/or prerequisites will not be waived.		

Code	Title	Hours
Advanced Art Electives		
Choose 3 courses from 3000 or 4000 level ARTC, ARTH, ARTS, or ARTT.		
Transfer courses that are evaluated as Advanced Art Electives (ELADV in ART, ARTC, ARTH, ARTS and ARTT) will meet this requirement.		
Co-requisites and/or prerequisites will not be waived.		
Only Communication Design majors may enroll in advanced level ARTC courses.		

Bachelor of Fine Arts (B.F.A.) Major in Studio Art (Painting Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The B.F.A. major in Studio Art requires a minimum three-year residency at Texas State.
2. A minimum of 120 hours are required in this degree program including:

a) US 1100 - not required for all students. Check with your Academic Advisor prior to enrolling in this course.

b) 42 hours in the general education core curriculum. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

c) 77 hours in the major

3. All graduation requirements must be met.
4. All course requirements must be met.
5. All prerequisites must be met.
6. Attendance during summer is recommended to allow time for intensive work in the concentration during regular/long semesters. This intensive work leads to the production of the Thesis work that is required for the portfolio and exhibition during the senior year.

a) A maximum of 12 hours are recommended each semester of the freshman year while enrolled in Art Foundation courses and ARTS 1305. Students who are required to take US 1100 will enroll in 13 hours in the first semester.

b) A maximum of 12 hours are recommended each semester of the senior year while enrolled in ARTS 4356 and ARTS 4357.

7. ARTS 4200 must be taken concurrently with ARTS 4356.
8. ARTS 4000 must be taken concurrently with ARTS 4357.
9. ARTS 4200, ARTS 4356, ARTS 4357, and ARTS 4000 are not offered in the summer.
10. To meet degree requirements in four years:

a) Complete all required Art Foundation courses and ARTS 1305 in the freshman year, as listed.

b) Stay on sequence with courses in the concentration.

c) One level of the concentration must be completed in the summer, because courses in the concentration are sequenced, and must be taken in order.

11. 10.Consult with your Academic Advisor if it is not possible to attend summer sessions.

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
ARTF 1301	3	ARTF 1303	3	ARTS 2351	3
ARTF 1302	3	ARTS 1305	3	ARTH 2302	3
ENG 1310 (Communication Component Code 010)	3	ARTH 2301	3	HIST 1310 (American History Component Code 060)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	ENG 1320 (Communica Component Code 010)	3	COMM 131C (Component Area Option Code 090/091)	3
US 1100[2]	1				
	13		12		12

Sophomore

Fall Semester	Hours	Spring Semester	Hours
ARTS 3352	3	ARTS 3353	3
ARTS 2321	3	ARTH 3301	3
3D Studio Art	3	2D Studio Art	3

Mathematic Component Code 020	3	HIST 1320 (American History Component Code 060)	3		
	12		12		

Junior					
Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
ARTS 3354	3	ARTS 4355	3	Art Elective	3
ARTH 3307	3	3D Studio Art	3	Advanced Art Elective	3
ARTS 3322	3	Art Elective	3	POSI 2310 (Government/ Political Science Component Code 070)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Science Component Code 030	3	Social & Behavioral Sciences Component Code 080	3
	12		12		12

Senior					
Fall Semester	Hours	Spring Semester	Hours		
ARTS 4200	2	ARTS 4000	0		
ARTS 4356	3	ARTS 4357	3		
Advanced Art Elective	3	Advanced Art Elective	3		
PHIL 1305 (Language, Philosophy & Culture Component Code 040)	3	ENG Literature (Component Area Option Code 090/094)	3		
POSI 2320 (Government/ Political Science Component Code 070)	3				
	14		9		

Total Hours: 120

1 ARTS 4200 is a 2-hour course. Speak with your Academic Advisor prior to junior year if you will need to take more than 11 hours of coursework during the final semester.

2 To complete the minimum 120 hours required for this degree program, students who are not required to take US 1100 and who do not have credit for open elective hours, will need to make up that 1 hour of credit.

3 ARTS 2301 will be used to meet one course requirement, as either a 2D Studio Art course, a 3D Studio Art course or an Art Elective. It will not count in more than one area.

Course Options in the Major

Code	Title	Hours
Choose 1 course in 2D Studio Art from the following:		
ARTS 2301	Expanded Media I [3]	3
ARTS 2361	Foundations of Photography I	3
ARTS 2371	Introduction to Printmaking: Screen and Relief	3
ARTS 2391	Watercolor I	3
ARTS 3376	Screen Printing	3
ARTT 3375	Experimental Water Media	3
Any 2D ARTS Topics Course from ARTS 4308 or ARTS 4309		

Code	Title	Hours
Choose 2 courses in 3D Studio Art from the following:		
ARTS 2301	Expanded Media I [3]	3
ARTS 2311	Ceramics I	3
ARTS 2341	Metals I	3
ARTS 2381	Sculpture I	3
Any 3D ARTS Topics Course from ARTS 4308 or ARTS 4309		3

Code	Title	Hours
Art Electives		
Choose 2 courses from ARTC, ARTH, ARTS or ARTT		
Transfer courses that are evaluated as Art Electives (ELNA in ART, ARTC, ARTH, ARTS and ARTT) will meet this requirement.		
Co-requisites and/or prerequisites will not be waived.		

Code	Title	Hours
Advanced Art Electives		
Choose 3 courses from 3000 or 4000 level ARTC, ARTH, ARTS, or ARTT.		
Transfer courses that are evaluated as Advanced Art Electives (ELADV in ART, ARTC, ARTH, ARTS ad ARTT) will meet this requirement.		
Co-requisites and/or prerequisites will not be waived.		
Only Communication Design majors may enroll in advanced level ARTC courses.		

Bachelor of Fine Arts (B.F.A.) Major in Studio Art (Printmaking Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. This major requires a minimum three-year residency at Texas State.
2. A minimum of 120 hours are required in this degree program including:

a) US 1100 - not required for all students. Check with your Academic Advisor prior to enrolling in this course.

b) 42 hours in the general education core curriculum. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas

State requirements and options in the core curriculum, including Honors courses.

c) 77 hours in the major

3. All graduation requirements must be met.

4. All course requirements must be met.

5. All prerequisites must be met.

6. Attendance during summer is recommended to allow time for intensive work in the concentration during regular/long semesters. This intensive work leads to the production of the Thesis work that is required for the portfolio and exhibition during the senior year.

a) A maximum of 12 hours are recommended each semester of the freshman year while enrolled in Art Foundation courses and ARTS 1305. Students who are required to take US 1100 will enroll in 13 hours in the first semester.

b) A maximum of 12 hours are recommended each semester of the senior year while enrolled in ARTS 4376 and ARTS 4377.

7. ARTS 4200 must be taken concurrently with ARTS 4376.

8. ARTS 4000 must be taken concurrently with ARTS 4377.

9. ARTS 4200, ARTS 4376, ARTS 4377, and ARTS 4000 are not offered in the summer.

10. To meet degree requirements in four years:

a) Complete all required Art Foundation courses and ARTS 1305 in the freshman year, as listed.

b) Stay on sequence with courses in the concentration.

c) One level of the concentration must be completed in the summer, because courses in the concentration are sequenced, and must be taken in order.

11. 10.Consult with your Academic Advisor if it is not possible to attend summer sessions.

Course Requirements

Fall Semester	Hours	Spring Semester	Hours	Summer	Freshman Hours
ARTF 1301	3	ARTF 1303	3	ARTS 2371	3
ARTF 1302	3	ARTS 1305	3	ARTH 2302	3
ENG 1310 (Communication Component Code 010)	3	ARTH 2301	3	HIST 1310 (American History Component Code 060)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	ENG 1320 (Communica Component Code 010)	3	COMM 1310 (Component Area Option Code 090/091)	3
US 1100[2]	1				
	13		12		12

Fall Semester	Hours	Spring Semester	Hours	Sophomore
ARTS 2321	3	ARTH 3301	3	
ARTS 3372	3	ARTS 3373	3	
3D Studio Art	3	2D Studio Art	3	
MATH 1315, 1316, or 1319 (Mathemati Component Code 020)	3	HIST 1320 (American History Component Code 060)	3	
	12		12	

Fall Semester	Hours	Spring Semester	Hours	Summer	Junior Hours
ARTH 3307	3	ARTS 4375	3	Art Elective	3
ARTS 3374	3	3D Studio Art	3	Advanced Art Elective	3
ARTS 3322	3	Art Elective	3	POSI 2310 (Government/ Political Science Component Code 070)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3	Social & Behavioral Sciences Component Code 080	3
	12		12		12

Fall Semester	Hours	Spring Semester	Hours	Senior
ARTS 4200	2	ARTS 4000	0	
ARTS 4376	3	ARTS 4377	3	
Advanced Art Elective	3	Advanced Art Elective	3	
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	ENG Literature (Component Area Option Code 090/094)	3	
POSI 2320 (Government/ Political Science Component Code 070)	3			
	14		9	

Total Hours: 120

[1] ARTS 4200 is a 2-hour course. Speak with your Academic Advisor prior to junior year if you will need to take more than 11 hours of coursework during the final semester.

[2] To complete the minimum 120 hours required for this degree program, students who are not required to take US 1100 and who do not have credit for open elective hours, will need to make up that 1 hour of credit.

[3] ARTS 2301 will be used to meet one course requirement, as either a 2D Studio Art course, a 3D Studio Art course or an Art Elective. It will not count in more than one area.

Course Options in the Major

Code	Title	Hours
Choose 1 course in 2D Studio Art from the following:		
ARTS 2301	Expanded Media I [3]	
ARTS 2351	Painting I	
ARTS 2361	Foundations of Photography I	
ARTS 2391	Watercolor I	
ARTS 3376	Screen Printing	
ARTT 3375	Experimental Water Media	
Any 2D ARTS Topics Course from ARTS 4308 or ARTS 4309		

Code	Title	Hours
Choose 2 courses in 3D Studio Art from the following:		
ARTS 2301	Expanded Media I [3]	
ARTS 2311	Ceramics I	
ARTS 2341	Metals I	
ARTS 2381	Sculpture I	
Any 2D ARTS Topics Course from ARTS 4308 or ARTS 4309		

Code	Title	Hours
Art Electives		
Choose 2 courses from ARTC, ARTH, ARTS or ARTT.		
Transfer courses that are evaluated as Art Electives (ELNA in ART, ARTC, ARTH, ARTS and ARTT) will meet this requirement.		
Co-requisites and/or prerequisites will not be waived.		

Code	Title	Hours
Advanced Art Electives		
Choose 3 courses from 3000 or 4000 level ARTC, ARTH, ARTS, or ARTT.		
Transfer courses that are evaluated as Advanced Art Electives (ELADV in ART, ARTC, ARTH, ARTS and ARTT) will meet this requirement.		
Co-requisites and/or prerequisites will not be waived.		
Only Communication Design majors may enroll in advanced level ARTC courses.		

Bachelor of Fine Arts (B.F.A.) Major in Studio Art (Sculpture Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. This major requires a minimum three-year residency at Texas State.
2. A minimum of 120 hours are required in this degree program including:

a) US 1100 - not required for all students. Check with your Academic Advisor prior to enrolling in this course.

b) 42 hours in the general education core curriculum. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

c) 77 hours in the major

3. All graduation requirements must be met.

4. All course requirements must be met.

5. All prerequisites must be met.

6. Attendance during summer is recommended to allow time for intensive work in the Concentration during regular/long semesters. This intensive work leads to the production of the Thesis work that is required for the portfolio and exhibition during the senior year.

a) A maximum of 12 hours are recommended each semester of the freshman year while enrolled in Art Foundation courses and ARTS 1305. Students who are required to take US 1100 will enroll in 13 hours in the first semester.

b) A maximum of 12 hours are recommended each semester of the senior year while enrolled in ARTS 4386 and ARTS 4387.

7. ARTS 4200 must be taken concurrently with ARTS 4386.

8. ARTS 4000 must be taken concurrently with ARTS 4387.

9. ARTS 4200, ARTS 4386, ARTS 4387, and ARTS 4000 are not offered in the summer.

10. To meet degree requirements in four years:

a) Complete all required Art Foundation courses and ARTS 1305 in the freshman year, as listed.

b) Stay on sequence with courses in the concentration.

c) One level of the concentration must be completed in the summer, because courses in the concentration are sequenced, and must be taken in order.

11. 10.Consult with your Academic Advisor if it is not possible to attend summer sessions.

Course Requirements

Fall Semester	Hours	Spring Semester	Hours	Summer	Freshman Hours
ARTF 1301	3	ARTF 1303	3	ARTS 2381	3
ARTF 1302	3	ARTS 1305	3	ARTH 2302	3
ENG 1310 (Communication Component Code 010)	3	ARTH 2301	3	HIST 1310 (American History Component Code 060)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	ENG 1320 (Communica Component Code 010)	3	COMM 1310 (Component Area Option Code 090/091)	3
US 1100[1]	1				
	13		12		12

Fall Semester	Hours	Spring Semester	Hours	Sophomore
ARTS 3382	3	ARTS 3383	3	
ARTS 2321	3	ARTH 3301	3	
2D Studio Art	3	3D Studio Art	3	
MATH 1315, 1316, or 1319 (Mathemati Component Code 020)	3	HIST 1320 (American History Component Code 060)	3	
	12		12	

Fall Semester	Hours	Spring Semester	Hours	Summer	Junior Hours
ARTS 3384	3	ARTS 4385	3	Art Elective	3
ARTH 3307	3	3D Studio Art	3	Advanced Art Elective	3
ARTS 3322	3	Art Elective	3	POSI 2310 (Government/ Political Science Component Code 070)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3	Social & Behavioral Sciences Component Code 080	3
	12		12		12

Fall Semester	Hours	Spring Semester	Hours	Senior
ARTS 4200	2	ARTS 4000	0	
ARTS 4386	3	ARTS 4387	3	
Advanced Art Elective	3	Advanced Art Elective	3	
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	ENG Literature (Component Area Option Code 090/094)	3	
POSI 2320 (Government/ Political Science Component Code 070)	3			
	14		9	

Total Hours: 120

1 ARTS 4200 is a 2-hour course. Speak with your Academic Advisor prior to junior year if you will need to take more than 11 hours of coursework during the final semester.

2 To complete the minimum 120 hours required for this degree program, students who are not required to take US 1100 and who do not have credit for open elective hours, will need to make up that 1 hour of credit.

3 ARTS 2301 will be used to meet one course requirement, as either a 2D Studio Art course, a 3D Studio Art course or an Art Elective. It will not count in more than one area.

Course Options in the Major

Code	Title	Hours
Choose 1 course in 2D Studio Art from the following:		
ARTS 2301	Expanded Media I [3]	
ARTS 2351	Painting I	
ARTS 2361	Foundations of Photography I	
ARTS 2371	Introduction to Printmaking: Screen and Relief	
ARTS 2391	Watercolor I	
ARTS 3376	Screen Printing	
ARTT 3375	Experimental Water Media	
Any 2D ARTS Topics Course from ARTS 4308 or ARTS 4309		

Code	Title	Hours
Choose 2 courses in 3D Studio Art from the following:		
ARTS 2301	Expanded Media I [3]	
ARTS 2311	Ceramics I	
ARTS 2341	Metals I	
Any 3D ARTS Topics Course from ARTS 4308 or ARTS 4309		

Code	Title	Hours
Art Electives		
Choose 2 courses from ARTC, ARTH, ARTS, or ARTT.		

Transfer courses that are evaluated as Art Electives (ELNA in ART, ARTC, ARTH, ARTS and ARTT) will meet this requirement.

Co-requisites and/or prerequisites will not be waived.

Code	Title	Hours
Advanced Art Electives		
Choose 3 courses from 3000 or 4000 level ARTC, ARTH, ARTS, ARTT.		
Transfer courses that are evaluated as Advanced Art Electives (ELADV in ART, ARTC, ARTH, ARTS and ARTT) will meet this requirement.		
Co-requisites and/or prerequisites will not be waived.		
Only Communication Design majors may enroll in advanced ARTC courses.		

Bachelor of Fine Arts (B.F.A.) Major in Studio Art (Teacher Certification in Art, Early Childhood Through Grade 12)

Minimum required: 121 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. This major requires a minimum three-year residency at Texas State.
2. After successful completion of this degree program and earning passing scores on the required certification exams, graduates may apply to the Texas Education Agency for All Level Teacher Certification in Art, grades EC-12.
3. A minimum of 121 semester credit hours are required in this degree program including:
   a) US 1100 - not required for all students. Check with your Academic Advisor prior to enrolling in this course.
   b) 42 hours in the general education core curriculum. The General Education Core Curriculum (p. 63) courses are listed in the degree plan below along with the statewide component code number. See the Office of Educator Preparation (p. 236) for general education core curriculum requirements that are unique to Teacher Certification including course requirements and minimum grade requirements for specific courses.
   c) 60 hours in Art
   d) 18 hours in the Teacher Certification area including the Block and Student Teaching.
4. All graduation requirements (p. 56) must be met.
5. In addition to the other graduation requirements listed in this catalog, the following graduation requirements must be met by students seeking teacher certification:
   a) an Overall GPA of at least 2.75.
   b) Successful completion of Student Teaching courses EDST 4380 and EDST 4381.
   c) A GPA of at least 2.50 in all assigned courses in the professional sequence and in the teaching field(s) or concentration(s) with no grade below a "C" in these courses.
6. All course requirements must be met.
7. All prerequisites must be met.
8. All Teacher Certification requirements must be met. See the Office of Educator Preparation (p. 236) for requirements.
9. Art Theory classes are sequential. With the exception of ARTT 2371, these courses are rotated as follows:
   a) Fall semester only: ARTT 3372, ARTT 4375
   b) Spring semester only: ARTT 2372, ARTT 3373, ARTT 4377
10. To meet degree requirements in four years:
    a) Enroll in ARTT 2371 during the first freshman semester and then enroll in the next sequential ARTT class each subsequent semester.
    b) Complete all required Art Foundations courses in the freshman year, as listed.
    c) Twelve hours are recommended during a summer prior to senior year to complete hours that cannot be taken simultaneously with Student Teaching.
    d) Only the Student Teaching courses, EDST 4380 and EDST 4381 will be taken in the final semester.
11. All course work other than Student Teaching must be complete prior to EDST 4380 and EDST 4381.
12. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
ARTF 1301	3	ARTF 1303	3
ARTF 1302	3	ARTT 2372	3
ARTT 2371	3	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communica Component Code 010)	3	Mathematic Component Code 020	3
US 1100[1]	1	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	13		15

Sophomore					
Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
ARTH 2301	3	ARTT 3373	3	2D Studio Art	3
ARTT 3372	3	ARTH 2302	3	3D Studio Art	3
HIST 1310 (American History Component Code 060)	3	3D Studio Art	3	Life & Physical Sciences Component Code 030	3
2D Studio Art	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	POSI 2320 (Governmen Political Science Component Code 070)	3
Life & Physical Sciences Component Code 030	3	POSI 2310 (Government/ Political Science Component Code 070)	3		
	15		15		12

Junior					
Fall Semester	Hours	Spring Semester	Hours		
ARTT 4375	3	ARTS 4000	0		
ARTH 3301	3	ARTT 4377	3		
COMM 1310 (Component Area Option Code 090/091)	3	ARTS or ARTT Advanced Electives	6		
2D Studio Art	3	CI 3325	3		
3D Studio Art	3	HIST 1320 (American History Component Code 060)	3		
	15		15		

Senior					
Fall Semester	Hours	Spring Semester	Hours		
CI 4343	3	EDST 4380[2]	3		
CI 4370	3	EDST 4381[2]	3		
RDG 3323	3				
Social & Behavioral Sciences Component Code 080	3				
ENG Literature (Component Area Option Code 090/094)	3				
	15		6		

Total Hours: 121

1 To complete the minimum 121 hours required for this degree, students who are not required to take US 1100 and who do not have credit for open elective hours, will need to make up that one hour of credit.

2 Only the Student Teaching courses, EDST 4380 and EDST 4381 courses can be taken in the final semester; therefore, enrollment will be part-time. Part time status may affect various forms of financial aid, scholarship awards and veteran's benefits. Contact appropriate offices for information ahead of time, and plan accordingly.

3 ARTC 1301 and ARTC 1302 are intended only for students with pre-major status in Communication Design. ARTC 1301, ARTC 1302 and ARTC 2000, are co-requisites. These co-requisites will not be waived.

Course Options in the Major

Code	Title	Hours
Choose 3 courses in 2D Studio Art from the following:		
ARTS 2301	Expanded Media I	
ARTS 2321	Drawing I	
ARTS 2351	Painting I	
ARTS 2361	Foundations of Photography I	
ARTS 2371	Introduction to Printmaking: Screen and Relief	
ARTS 2391	Watercolor I	
ARTC 1301	Introduction to Communication Design [3]	
ARTC 1302	Imaging I [3]	

Code	Title	Hours
Choose 3 courses in 3D Studio Art from the following:		
ARTS 2301	Expanded Media I	
ARTS 2311	Ceramics I	
ARTS 2341	Metals I	
ARTS 2381	Sculpture I	
ARTS 4308U	Soft Sculpture	

Minor in Art

The minor in Art requires 24 semester credit hours. All prerequisites must be met for any course chosen to satisfy requirements for the minor in Art.

Students who are pursuing a Bachelor of Arts degree with a major in Art History, who also choose to complete the minor in Art, must complete a minimum of 9 unique hours in the minor. It must be noted that a combination of the Bachelor of Arts degree with a major in Art and a minor in Art History, may result in the need for advanced open electives in order to complete the minimum 120 overall hours and/or the minimum 36 advanced hours that are required for graduation.

Code	Title	Hours
Required Courses		
ARTF 1301	2-D Design	3
ARTF 1302	Basic Drawing	3

ARTF 1303	3-D Design	3
ARTS 1305	Digital Studio Foundations	3
Choose 6 hours from ARTC, ARTH, ARTS, or ARTT courses		6
Choose 6 hours from advanced level ARTC, ARTH, ARTS, or ARTT courses [1]		6
Total Hours		24

[1] Students should consult with their major advisor about the number of advanced hours required for graduation.

Minor in Art History

The minor in Art History requires 18 semester credit hours. The minor will offer students, who are interested in art history but do not want to major in it, the opportunity to acquire important visual and critical thinking skills central to the discipline. The minor in Art History will help students increase their competitiveness in a job market where employers are particularly interested in well-rounded job applicants who not only have specific technical skills but also a wider understanding of history and culture.

All prerequisites must be met for any course chosen to satisfy requirements for the minor in Art History.

Students who are pursuing the Bachelor of Arts degree major in Art, the Bachelor of Fine Arts degree with a major in Communication Design, the Bachelor of Fine Arts degree with a major in Studio Art, or the Bachelor of Fine Arts degree with a major in Photography within the School of Art and Design, who also choose to complete the minor in Art History, must complete a minimum of 9 unique hours in the minor. It must be noted that a combination of the Bachelor of Arts degree major in Art with a minor in Art History, may result in the need for advanced open electives in order to complete the minimum 120 overall hours and/or the minimum 36 advanced hours that are required for graduation.

Code	Title	Hours
Required Courses		
ARTH 2301	Ancient to Medieval Art	3
ARTH 2302	Renaissance to Modern Art	3
Electives		
Choose 12 hours from the advanced level lecture and seminar ARTH courses [1]		12
Total Hours		18

[1] With the exception of ARTH 4325: Art History Internship, offered every semester, the 4000 level courses are taught in rotation on a three-year cycle.

Department of Communication Studies

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Telephone: 512-245-2165 Fax: 512-245-3138
www.finearts.txstate.edu/commstudies (http://www.finearts.txstate.edu/commstudies)

Communication studies examines the creation, expression, and analysis of messages in our personal, professional, and public lives. Knowledge of the field aids in students' development of versatile and relevant social intelligence, critical thinking, and creative problem solving skills to achieve personal, professional and civic goals. Communication studies differs greatly from majors or fields of study that focus upon specific professions or occupations. Whereas those disciplines risk the possibility that student coursework may be either dated or irrelevant as students leave the university, Communication Studies majors possess the knowledge, skills, and abilities ofresilient learners, collaborators, and problem solvers. Alumni excel in diverse cultural, professional, social, and personal settings as influential leaders, solution-oriented collaborators, highly-trained researchers, talented writers, and engaging speakers. The undergraduate degree offers areas of study in Interpersonal Communication, Organizational Communication, and Persuasive Communication as well as Teacher Certification. In addition to the minor in Communication Studies, the Department is also the home for three interdisciplinary minors: Leadership, Political Communication, and Health Communication.

Communication studies students learn to manage message processes within and among individuals, groups, organizations, and societies. They explore verbal and nonverbal communication, organizational and business communication, rhetoric and criticism, argumentation and persuasion, and communication technology.

Key to our students' and program's success is our dedicated faculty and staff—a cohesive team that draws from their unified expertise to help students understand the vital connections between research and teaching inside and outside the classroom. Our faculty members are active in national and international associations, publish their research in books, professional and academic journals, secure funding to support cutting-edge research, create podcasts, win awards for teaching excellence, and serve our communities.

Areas of Specialization

Some students may wish to concentrate on a particular aspect of communication study. Although there is no required sequence of courses for any single area of interest, the following general guide may be used to assist students in providing a focal point for their communication study.

Interpersonal Communication

Courses that focus on interpersonal communication are designed to provide students with skills and knowledge to pursue a variety of career goals that involve interpersonal interactions with others. This area of interest is appropriate for students seeking careers in business, non-profit organizations, sales, public relations, customer service, counseling, hospitality services (e.g. travel or hotel industry) or other careers or professions which emphasize effective human relationship skills.

Organizational Communication

Courses that focus on organizational communication are designed to enhance student's capacity for success in careers requiring skills in the management of human relationships and communication flow within contemporary business, public service, non-profit, and professional organizations.

Persuasive Communication

Persuasive communication emphasizes study of messages that are designed to create change. Courses address topics such as rhetoric, public address, and argumentation. This area of interest is appropriate for students planning careers in business and industry, non-profit organizations, sales and marketing, the ministry, law, politics or other careers in which persuasion, rhetorical, and analytical skills are important.

Specialized Courses and Programs

Departmental Internship Elective

Some students may wish to enroll in the Internship course COMM 4390. Requirements for the course may be found in the Courses section of the catalog.

Communication Studies Career Readiness Program

The Communication Studies Career Readiness (CSCR) program is an innovative experience for select students to discover and examine career options in the communication field by building a personalized career pathway comprised of hands-on experience, alumni-mentoring, networking, internships, and specialized advising. This program does not follow the traditional career counseling model, which starts with a singular job that students work toward. Instead, the CSCR program starts with our students' skillsets, interests, and passions to explore multiple career opportunities before narrowing. CSCR students are better prepared for life post-graduation. The CSCR program only accepts 10-14 students per year.

CSCR students will have experiences that most universities of our size cannot provide. This program is perfect for the motivated student who is focused upon learning how the major can help them advance their personal and professional goals. Key benefits include:

- Enrollment in the exclusive Career Readiness Course that is unlike any college class
- Connecting with an Alumni Mentor with similar interests
- Participating in exclusive workshops and networking opportunities
- Receiving specialized internship coaching and academic advising
- Building a Personalized Career Pathway that guides students to graduation
- Specialized job search training

Student Organizations

The department also proudly sponsors the student honor society Lambda Pi Eta, the Communication Ambassadors, and the Texas State forensics team and LBJ Debate Society. The Elton Abernathy Forensics Society is Texas State's competitive speech team. The LBJ Debate Society is named for former President Lyndon B. Johnson, who was involved in debate as a student at Texas Sate University. Both teams travel locally, regionally, and nationally.

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted under the temporary pre-program status. With this status, students may enroll in the following communication courses, COMM 1310, COMM 2315, COMM 2330, and COMM 2338. Once a student has accumulated at least 45 hours and has an Overall GPA of at least 2.50, the student may then declare a major in Communication Studies. Only students admitted to the major will be able to register for additional upper level courses.
2. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

Bachelor of Arts (B.A.)

- Major in Communication Studies (p. 279)
- Major in Communication Studies (Interpersonal Communication Concentration) (p. 280)
- Major in Communication Studies (Organizational Communication Concentration) (p. 281)
- Major in Communication Studies (Persuasive Communication Concentration) (p. 282)
- Major in Communication Studies (Teacher Certification in Speech, Grades 7-12) (p. 283)

Minors

- Communication Studies
- Health Communication (p. 285)
- Leadership Studies
- Political Communication
- Second Teaching Field in Speech (Grades 7-12)

Courses in Communication Studies (COMM)

COMM 1310. Fundamentals of Human Communication.
This course examines the speaking and listening principles and techniques that are fundamental for every aspect of human communication. The course develops basic verbal and nonverbal communication skills and knowledge in three specific contexts: interpersonal, small group, and public speaking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Communication CAO 091|Lab Required|Time Conflicts Permitted
Grade Mode: Standard Letter
TCCN: SPCH 1311

COMM 1340. Voice and Articulation.
This course is a study of the physiology of the human voice and the sounds of speech. The student's own voice will be the primary focus, with practice to develop speech appropriate for professional contexts. Prerequisite: COMM 1310.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SPCH 1342

COMM 2111. Speech and Drama Activities.
A course designed to provide credit for participation in communication studies and theatre activities. May be repeated for a total four credits in communication studies and four credits in theatre. May be repeated with different emphasis for additional credit.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: SPCH 1144

COMM 2315. Interpersonal Communication.
This course studies communication principles and theories exploring interpersonal interactions with emphasis on conceptual foundations, personal growth and skill enhancement. Prerequisite: COMM 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SPCH 1318

COMM 2326. Interpretive Reading.
A study of the techniques of the oral interpretation of literature with an emphasis on performance. Prerequisite: COMM 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 2330. Small Group Communication.
This course focuses on communication in small groups and teams including an analysis of the structure and skills involved in managing the task and relational components of group work. Special emphasis is placed on problem solving discussion, effective meeting leadership and participation, and critical thinking. Prerequisite: COMM 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SPCH 2333

COMM 2338. Public Speaking.
This course helps the student to develop personal speaking skills and introduces principles of contemporary types of speeches. Prerequisite: COMM 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SPCH 1315

COMM 3301. Empirical Research Methods.
This course explores how to conduct and interpret communication research through the scientific method.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3302. Rhetorical Research Methods.
Students will explore and apply methods of analysis and evaluation of rhetorical discourse with emphasis on developing critical research and writing skills. Students should complete COMM 3302 before enrolling in other advanced rhetorical studies courses. Prerequisites: COMM 1310; COMM 2338.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3310. Communication Theory.
This course explores the practical ways in which communication theory operates to foster self-awareness, to make sense of personal experiences, and to cultivate critical thinking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3316A. The Art of the Interview.
This course explores the components and techniques that differentiate the interviewing process from other forms of interpersonal communication. By understanding the intricacies of interviewing skills, students improve their performance in the traditional sense of the word and broaden their scope as to its applicability in multiple contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3316B. Communication Career Readiness.
This course helps students discover communication careers by assisting them in building a personalized career pathway through hands-on experiences, mentoring, networking, and examining the field of communication studies. Permission of instructor is required for registration. Prerequisite: COMM 1310, with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3316C. Communication and Identity in International Work Cultures.
This course explores how personal, cultural, organizational, and occupational identities shape workplaces. By the end of this course, students will be able to explain how different cultures learn and adapt to work, distinguish work identities across different cultures, and evaluate their own work-life identities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3316D. Professional Skills for the Global Workplace.
This course provides a survey of relevant skills necessary to work in an international work setting. Through discussion, site-visits, and application activities, students will leave the course with an understanding and ability to apply these skills in their careers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3316E. Diversity and Inclusion: Applications for Corporate Communication and Training.
This course examines the relationship between communication and power imbalances that deny equal respect, dignity, and rights to inclusion for the socially marginalized. Upon completing the course, students will be able to extend principles from the critical paradigm and instructional communication to act ethically when making decisions that impact socially marginalized groups.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3316F. Rhetoric, Race, and Memory.
This course explores how public articulations about what happened in the past inform our present and future. Through an exploration of how communities remember civil rights and racism, the course offers students with deeper insight into how communicative practices enable communal transformation and can sustain or disrupt communal identity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3318J. Communication in Health Organizations.
This course examines the delivery and exchange of messages within health organizations. Specific communication contexts to be emphasized will include interpersonal conflict, negotiating, communication networks, communication environments, virtual systems of communication, channel/media selection strategies, communication climate, communities of practice, public relations communication campaigns, and organizational crisis management. Prerequisite: COMM 2315 or COMM 2330 or COMM 2338 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3318U. Public Advocacy and Civic Engagement.
This course provides a theoretical foundation to understand the fundamentals of public deliberation, advocacy, and civic engagement in a democratic society. Sample topics include practices of engagement and inquiry; ethics; free expression and the responsibility of advocates.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3318V. Speechwriting.
This course will provide a basic understanding of the speechwriting process, including writing different types of speeches of varied length targeted to different audiences and venues. Students will learn effective speech organization and content through drafting and peer review and gain basic experience in the effective delivery of speeches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3319. Introduction to Organizational Communication.
Applies communication and management theory along with contemporary research to understand messages in corporate, nonprofit, and volunteer organizations. Prepares the students to think critically about their organizational experiences and use theory to assess and manage communication processes including supervisor-subordinate communication, conflict, and cultures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3320. Sport Communication.
Sport Communication provides a theoretical foundation to understand and apply interpersonal, organizational, team, and public communication skills in sport settings. Sample topics include: fan culture, racial identity and gender, player/coach interactions, and crisis communication. Students gain practical knowledge and skills to optimize verbal and nonverbal messages in sport contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3325. Communication and Conflict Management.
Demonstrates the ways communication skills can be used to manage conflict. The class also provides an analytic framework for diagnosing conflict, negotiation, and mediation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

COMM 3326. Family Communication.
The study of the theory and research trends regarding the dynamics of family communication, including parent-child, sibling, marital, and inter-generational interactions; family culture and roles: divorce and step families; conflict; stress and well being. Prerequisite: COMM 2315.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

COMM 3328. Communication and Gender.
Investigates the interactive nature of communication and gender, the creation of gender identities, and the role of gender and communication in a variety of settings. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

COMM 3329. Intercultural Communication.
Presents theory and application of communication skills for a culturally diverse world. Develops verbal and nonverbal abilities in social and professional intercultural contexts. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

COMM 3330. Nonverbal Communication.
Introduces the conceptual foundations of nonverbal communication. Theoretical components, research methods and applications of nonverbal communication are also explored in a variety of contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3332. The Dark Side of Communication.
This course examines communication that is considered challenging, complicated, stressful, or unpleasant. Topics include (but are not limited to) deception, teasing/bullying, jealousy, topic avoidance, and aggression. The phenomena covered range from the everyday to the extreme, and impact our well-being as well as our relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3336. Diversity and Communication.
This course examines various styles of formal and informal communication, and builds awareness and understanding of diversity. It will address diversity issues in social characteristics such as age, gender, race, and sexual orientation. It will address how society communicates about issues related to diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3345. Argumentation and Debate.
A study of basic principles of argumentation emphasizing analysis, evidence, reasoning, and refutation and their applications in formal and informal debate contexts. Students will do laboratory work with the University forensics squad. Prerequisite: COMM 1310.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3358. Professional Communication.
Application of self-presentation and interaction concepts and skills to the transition from undergraduate studies to professional life, including job selection, resume preparation and presentation, interviewing, and interaction management in business and professional settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4111. Practicum in Communication Studies.
On-the-job experience working with faculty to assist with the department missions of teaching, research or service. Students may work in the department communication lab, assist faculty in the classroom, serve as faculty research assistants or other academic support tasks. May be repeated one time for additional credit. Prerequisite: Departmental approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 4307. Media Criticism.
Explores the influence of media messages based upon communication and rhetorical theories in shaping perceptions and values. Focus is upon the rhetorical analysis of how the visual media of film and television communicate social, political, and personal attitudes and behaviors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4310. Methods of Teaching Communication Studies.
A study of methods of teaching communication studies principles and skills for secondary school teachers. Students enrolled in teacher certification programs with a major in Nutrition, Consumer Affairs, Communication Studies or a second teaching field in Communication Studies should contact the Department of Communication Studies for approval to register. (WI) Prerequisite: COMM 1310, COMM 2315, COMM 2330, or COMM 2338; with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

COMM 4311. Instructional Communication Practicum.
This course provides students with an overview of instructional communication research, including teacher immediacy and clarity, and student responsiveness and engagement. Students will also work with a faculty supervisor as an instructional aide in which they will facilitate experiential activities and learn to assess lower-division assignments. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

COMM 4315. Directed Research in Communication Studies.
Individual or group research projects at the advanced level that are not offered in the present curriculum. Permission and project approval must be obtained from the departmental chair prior to registration. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Dual Enrollment Permitted
Grade Mode: Standard Letter

COMM 4320. Planning Communication Studies Activities and Events.
This course is designed to assist individuals in the management and implementation of communication activities and events. The course includes practical experience in planning and directing individual events.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 4321. American Speeches.
Analysis and evaluation of major American speeches and their influence on the history and culture of the United States from 1630 to the present. Prerequisite: COMM 2338.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4322. Rhetoric of Protest Movements.
Explores the persuasive strategies used by protest and political movements to promote social and political change. Focuses upon the application of critical perspectives in understanding the stages, leadership styles, and rhetorical appeals characteristics of movements in American society. (MULT) Prerequisite: COMM 2338.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

COMM 4324. Organizational Rhetoric.
Guided by principles of rhetoric, students will investigate a variety of functions for internal and external audiences. Functions will include building identity; managing issues, impressions, and crisis; and influencing organizational culture. Students will use this knowledge to create and analyze organizational messages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4325. Communication and Technology.
This course explores how the use of information and communication technologies relates to interpersonal, organizational, public, political, and intercultural communication practices and outcomes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4326. Health Communication.
This course provides students with an overview of major theoretical and practical issues for communicating about health issues in clinical, organizational, relational, and public contexts. Students will gain knowledge and skills to improve patient health outcomes through effective message strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4327. Social Media in Organizations.
Social Media in Organizations prepares students to be effective social media writers, resourceful workers, critical consumers, and savvy job seekers. We will consider members' use of social media inside organizations as well as explore our peripheral connection with organizations as consumers and prospective employees.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4329. Communication Training and Human Resource Development.
This course presents the principles and skills of developing and presenting communication training programs. An emphasis is placed upon applications of communication skill development, communication theory, and instructional communication research in organizational contexts. Prerequisite: COMM 2315, COMM 2330, or COMM 2338.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4331. Persuasion.
An investigation of rhetorical and behavioral theories of persuasion, the devising of persuasive campaigns, as well as the consumption and generation of persuasive messages in a variety of communication settings. Applicable for careers in business, law, and human relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4338. Advanced Public Speaking.
In-depth critical analysis of speech construction and the development of presentation skills. Prerequisite: COMM 2338.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4341. Intercultural Communication in the Americas.
This course investigates intercultural communication in various contexts of North, Central, Latin America and the Caribbean covered over two sections: (1) understanding the cultural differences (i.e., values, nonverbal communication, negotiation, business communication, family communication), and (2) understanding transitional experiences of migrants from Central and Latin America, and the Caribbean.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4345. Political Communication.
A study of historical and contemporary political campaigns in the United States analyzing management strategies, promotional techniques, and rhetorical messages. Prerequisite: COMM 2338.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4346. Environmental Communication and Sustainability.
In this course, students learn how to analyze environmental communication messages and how they influence our understanding of environmental issues. Students will examine public discourse including formal oratory, public debate, political communication, organizational communication, and mass mediated messages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4347. Leadership and Communication.
An advanced course in communication designed to examine in detail the phenomenon of leadership in groups and organizations. Various theories and approaches to leadership will be surveyed with an emphasis on applying leadership principles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4351. Relational Communication.
The study of theory and research trends regarding communication in close relationships, including attraction and intimacy; relationship development, maintenance, and dissolution; affection and support; and conflict. The theoretical and practical relevance of the social, emotional, and relational consequences of messages in emphasized throughout the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4390. Communication Internship.
This course provides on the job experience in a communication related role in an approved organization. Enrollment requires permission of the instructor, a minimum of 150 clock hours on the job, a written contract with the internship coordinator, and a final portfolio of work. May be repeated for additional credit. Prerequisites: 6 hours of upper level communication electives completed with a grade of "C" or higher. Restricted to full majors or minors in their junior or senior year. Good academic standing required.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in Communication Studies

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted under the temporary pre-program status. With this status, students may enroll in the following communication courses, COMM 1310, COMM 2315, COMM 2330, and COMM 2338. Once a student has accumulated at least 45 hours and has an Overall GPA of at least 2.50, the student may then declare a major in Communication Studies. Only students admitted to the major will be able to register for additional upper level courses.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. The core courses required of all Communication Studies students are COMM 1310, COMM 2315, COMM 2330, COMM 2338, COMM 3301 and COMM 3302.

5. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
COMM 2315	3
COMM 2338	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	31

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
COMM 2330	3
Life & Physical Sciences Component Code 030	6
Modern Language 1410	4
Modern Language 1420	4
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
	29

Junior	Hours
COMM 3301	3
COMM 3302	3
COMM Elective	3
COMM Advanced Elective	3
Minor	9
BA ENG Literature	3
Modern Language 2310	3
BA Computer Science, Logic, Mathematics or science	3
	30

Senior	Hours
COMM Advanced Elective	9
Modern Language 2320	3
Minor	9
Free Electives	9
	30

Total Hours: 120

Bachelor of Arts (B.A.) Major in Communication Studies (Interpersonal Communication Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted under the temporary pre-program status. With this status, students may enroll in the following communication courses, COMM 1310, COMM 2315, COMM 2330, and COMM 2338. Once a student has accumulated at least 45 hours and has an Overall GPA of at least 2.50, the student may then declare a major in Communication Studies. Only students admitted to the major will be able to register for additional upper level courses.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires six hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. The core courses required of all Communication Studies students are COMM 1310, COMM 2315, COMM 2330, COMM 2338, COMM 3301 and COMM 3302.
5. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3

ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
COMM 2315	3
COMM 2338	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	31

Sophomore	**Hours**
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
COMM 2330	3
Life & Physical Sciences Component Code 030	6
Modern Language 1410	4
Modern Language 1420	4
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
	29

Junior	**Hours**
COMM 3301	3
COMM 3302	3
Interpersonal COMM Advanced Electives	6
Minor	9
BA ENG Literature	3
Modern Language 2310	3
BA Computer Science, Logic, Mathematics or science	3
	30

Senior	**Hours**
Interpersonal COMM Advanced Electives	9
Modern Language 2320	3
Minor	9
Free Electives	9
	30

Total Hours: 120

Code	**Title**	**Hours**
Interpersonal Communication Electives		
COMM 3310	Communication Theory	
COMM 3325	Communication and Conflict Management	
COMM 3326	Family Communication	
COMM 3328	Communication and Gender	
COMM 3329	Intercultural Communication	
COMM 3330	Nonverbal Communication	
COMM 3332	The Dark Side of Communication	3
COMM 3336	Diversity and Communication	3
COMM 3358	Professional Communication	
COMM 4325	Communication and Technology	
COMM 4326	Health Communication	
COMM 4331	Persuasion	
COMM 4351	Relational Communication	
COMM 4390	Communication Internship	

Bachelor of Arts (B.A.) Major in Communication Studies (Organizational Communication Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted under the temporary pre-program status. With this status, students may enroll in the following communication courses, COMM 1310, COMM 2315, COMM 2330, and COMM 2338. Once a student has accumulated at least 45 hours and has an Overall GPA of at least 2.50, the student may then declare a major in Communication Studies. Only students admitted to the major will be able to register for additional upper level courses.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires six hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. The core courses required of all Communication Studies students are COMM 1310, COMM 2315, COMM 2330, COMM 2338, COMM 3301 and COMM 3302.
5. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
COMM 2315	3
COMM 2338	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	31

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
COMM 2330	3
Life & Physical Sciences Component Code 030	6
Modern Languages 1410	4
Modern Languages 1420	4
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
	29

Junior	Hours
COMM 3301	3
COMM 3302	3
Organizational COMM Advanced Electives	6
Minor	9
BA ENG Literature	3
Modern Language 2310	3
BA Computer Science, Logic, Mathematics or science	3
	30

Senior	Hours
Organizational COMM Advanced Electives	9
Modern Language 2320	3
Minor	9
Free Electives	9
	30

Total Hours: 120

Code	Title	Hours
Organizational Communication Electives		
COMM 3310	Communication Theory	
COMM 3319	Introduction to Organizational Communication	
COMM 3325	Communication and Conflict Management	
COMM 3329	Intercultural Communication	
COMM 3330	Nonverbal Communication	
COMM 3336	Diversity and Communication	3
COMM 3358	Professional Communication	
COMM 4320	Planning Communication Studies Activities and Events	
COMM 4324	Organizational Rhetoric	
COMM 4325	Communication and Technology	
COMM 4327	Social Media in Organizations	3
COMM 4329	Communication Training and Human Resource Development	
COMM 4331	Persuasion	
COMM 4347	Leadership and Communication	
COMM 4390	Communication Internship	

Bachelor of Arts (B.A.) Major in Communication Studies (Persuasive Communication Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted under the temporary pre-program status. With this status, students may enroll in the following communication courses, COMM 1310, COMM 2315, COMM 2330, and COMM 2338. Once a student has accumulated at least 45 hours and has an Overall GPA of at least 2.50, the student may then declare a major in Communication Studies. Only students admitted to the major will be able to register for additional upper level courses.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires six additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.

3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. The core courses required of all Communication Studies students are COMM 1310, COMM 2315, COMM 2330, COMM 2338, COMM 3301 and COMM 3302.
5. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
COMM 2315	3
COMM 2338	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	31

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
COMM 2330	3
Life & Physical Sciences Component Code 030	6
Modern Language 1410	4
Modern Language 1420	4
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
	29

Junior	Hours
COMM 3301	3
COMM 3302	3
Persuasive COMM Advanced Electives	6
Minor	9
BA ENG Literature	3
Modern Language 2310	3
BA Computer Science, Logic, Mathematics or science	3
	30

Senior	Hours
Persuasive COMM Advanced Electives	9
Modern Language 2320	3
Minor	9
Free Electives	9
	30

Total Hours: 120

Code	Title	Hours
Persuasive Communication Electives		
COMM 3310	Communication Theory	
COMM 3318U	Public Advocacy and Civic Engagement	3
COMM 3318V	Speechwriting	3
COMM 3325	Communication and Conflict Management	
COMM 3345	Argumentation and Debate	
COMM 4307	Media Criticism	
COMM 4321	American Speeches	
COMM 4322	Rhetoric of Protest Movements	
COMM 4324	Organizational Rhetoric	
COMM 4331	Persuasion	
COMM 4338	Advanced Public Speaking	
COMM 4345	Political Communication	
COMM 4346	Environmental Communication and Sustainability	3
COMM 4347	Leadership and Communication	
COMM 4390	Communication Internship	

Bachelor of Arts (B.A.) Major in Communication Studies (Teacher Certification in Speech, Grades 7-12)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted under the temporary pre-program status. With this status, students may enroll in the following communication courses, COMM 1310, COMM 2315, COMM 2330, and COMM 2338. Once a student has accumulated at least 45 hours and has an Overall GPA of at least 2.50, the student may then declare a major in Communication Studies. Only students admitted to the major will be able to register for additional upper level courses.
2. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number.

See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. The core courses required of all Communication Studies students are COMM 1310, COMM 2315, COMM 2330, COMM 2338, COMM 3301 and COMM 3302.
4. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
5. In addition to the major and minor requirements, students must also complete 21 hours of professional sequence courses through the College of Education. All coursework must be completed prior to EDST 4681.
6. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
7. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020 select one from:	3
MATH 1315	
MATH 1319	
MATH 1329	
MATH 2321	
MATH 2417	
MATH 2471	
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
COMM 2315	3
COMM 2338	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	31

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
COMM 2330	3
Life & Physical Sciences Component Code 030	6
Modern Language 1410	4
Modern Language 1420	4
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
COMM Advanced Elective	3
	32

Junior	Hours
COMM 3301	3
COMM 3302	3
COMM 3345	3
CI 3325	3
Choose one of the following:	3
COMM 2326	
COMM 3310	
COMM 3358	
COMM 4320	
CI 4332	3
BA ENG Literature	3
Modern Language 2310	3
BA Computer Science, Logic, Mathematics or science	3
COMM Advanced Elective	3
Free Elective	3
	33

Senior	Hours
COMM 4310	3
Modern Language 2320	3
CI 4343	3
CI 4370	3
RDG 3323	3
EDST 4681	6
Free Electives	3
	24

Total Hours: 120

Minor in Communication Studies

The minor in Communication Studies requires 21 semester credit hours. COMM 2111 and COMM 4111 will not be counted toward the minor.

Code	Title	Hours
Required Courses		
COMM 1310	Fundamentals of Human Communication	3
COMM 2315	Interpersonal Communication	3
COMM 2330	Small Group Communication	3
COMM 2338	Public Speaking	3
Electives		
Choose 9 hours of COMM electives, 3 of which must be advanced.		9
Total Hours		21

Minor in Health Communication

The minor in Health Communication requires 21 semester credit hours. The minor includes a unique blend of theory, research, and application. The study of health communication can contribute to disease prevention and health promotion in areas such as provider-patient communication, patient-family communication, public health messages and campaigns, health in mass media, public health, and technology and health. The minor is interdisciplinary, including courses from the Department of Communication Studies, the School of Health Administration, the School of Journalism and Mass Communication, and the Department of Psychology.

If a student is a Communication Studies major, only the core courses in Communication Studies (COMM 1310, COMM 2315, COMM 2330, COMM 2338, COMM 3301, COMM 3302) may count towards their minor in Health Communication.

If a student is a Healthcare Administration major, no courses may count for their major and minor.

Code	Title	Hours
Required Courses		
COMM 2315	Interpersonal Communication	3
or COMM 2330	Small Group Communication	
COMM 4326	Health Communication	3
MC 4322	Health Communication Campaigns	3
Choose 6 hours from the following:		6
COMM 3316A	The Art of the Interview	
COMM 3318J	Communication in Health Organizations	
COMM 3319	Introduction to Organizational Communication	
COMM 3325	Communication and Conflict Management	
COMM 3326	Family Communication [1]	
COMM 3328	Communication and Gender [1]	
COMM 3329	Intercultural Communication	
COMM 3330	Nonverbal Communication	
COMM 3358	Professional Communication	
COMM 4324	Organizational Rhetoric	
COMM 4329	Communication Training and Human Resource Development	
COMM 4331	Persuasion	
COMM 4345	Political Communication	
COMM 4347	Leadership and Communication	
COMM 4351	Relational Communication	
COMM 4390	Communication Internship	
Choose 6 hours from the following:		6
HA 3308	Healthcare Organization	
HA 3309	Ethics in the Health Professions	
HA 3315	Healthcare Administration History, Culture, and Language	
HA 3341	Project Management & Professional Development in Healthcare	
MC 3355	Mass Media and Society	
MC 3343	Introduction to Public Relations	
MC 4309	Visual Literacy: Film	
PH 3348	Prevention of Disease	
PH 3350	Consumer Health	
PH 3374	Global Health	
PSY 3315	Abnormal Psychology [2]	
PSY 3325	Psychology of Persuasion [2]	
PSY 3300	Lifespan Development [2]	
PSY 3331	Social Psychology [2]	
PSY 3333	Industrial Psychology [2]	
PSY 3361	Health Psychology [2]	
Total Hours		21

1 This course has a prerequisite of COMM 2315. Students should select that option as one of the required Communication Studies courses.

2 All Psychology courses require the completion of PSY 1300 with a grade of C.

Minor in Leadership Studies

The minor in Leadership Studies requires 21 semester credit hours. The minor is interdisciplinary, including courses from the following departments: Communication Studies, Management, Philosophy, Aerospace Studies, Psychology, and the School of Health Administration. Students select two courses (6 hours) which emphasize leadership skill development and two courses (6 hours) which provide a theoretical or conceptual approach to leadership. All students in this minor will be advised by the Department of Communication Studies. Students entering the program will be contacted by the department and will be required to see an advisor before selecting elective courses. If a student is a Communication Studies major, only the core courses in Communication Studies (COMM 1310, COMM 2315, COMM 2330, COMM 2338, COMM 3301, COMM 3302) may count towards their minor in Leadership Studies.

Code	Title	Hours
Required Courses		
COMM 2330	Small Group Communication	3
COMM 4347	Leadership and Communication	3
PHIL 3322	Professional Ethics	3
Skill Development		
Choose 6 hours from the following:		6
COMM 2338	Public Speaking	
COMM 3316A	The Art of the Interview	

COMM 3325	Communication and Conflict Management	
COMM 3330	Nonverbal Communication	
COMM 3345	Argumentation and Debate	
COMM 3358	Professional Communication	
COMM 4329	Communication Training and Human Resource Development	
COMM 4390	Communication Internship	
Theoretical Concepts or Approaches		
Choose 6 hours the following:		6
COMM 3319	Introduction to Organizational Communication	
COMM 3329	Intercultural Communication	
COMM 3336	Diversity and Communication	
COMM 4327	Social Media in Organizations	
COMM 4331	Persuasion	
COMM 4341	Intercultural Communication in the Americas	
COMM 4324	Organizational Rhetoric	
HA 3309	Ethics in the Health Professions	
HA 3324	Supervisory Management for Healthcare Managers	
PSY 3331	Social Psychology [1]	
PSY 3333	Industrial Psychology [1]	
MGT 3303	Management of Organizations	
A S 3311	Leadership and Management I	
A S 3312	Leadership and Management II	
Total Hours		21

[1] PSY 1300 with a grade of C is a prerequisite for PSY 3331 and PSY 3333.

Minor in Political Communication

The minor in Political Communication requires 24 semester credit hours, including 12 hours from the Department of Communication Studies and 12 hours of selected courses from the Department of Political Science. The minor addresses a variety of theories, principles, and skills related to the political communication process. The minor is designed for students interested in law, politics, public administration, public policy, or other professions related to issues and ideas in a political communication context.

If a student is a Communication Studies major, only the core courses in Communication Studies (COMM 1310, COMM 2315, COMM 2330, COMM 2338, COMM 3301, and COMM 3302) may count towards their minor in Political Communication.

If a student is a Political Science major, no course may count for both their major and minor.

Code	Title	Hours
Required Courses		
COMM 2338	Public Speaking	3
COMM 4345	Political Communication	3
Communication Studies		
Choose 6 hours from the following:		6
COMM 3345	Argumentation and Debate	
COMM 3302	Rhetorical Research Methods	
COMM 4307	Media Criticism	
COMM 4321	American Speeches	
COMM 4322	Rhetoric of Protest Movements	
COMM 4324	Organizational Rhetoric	
COMM 4331	Persuasion	
COMM 4338	Advanced Public Speaking	
COMM 4390	Communication Internship	
Political Science and Public Administration		
Choose 3 hours from the following:		3
PS 3301	Basic Political Institutions	
PS 3311	American Political Thought: From the Colonial Period to Civil War	
PS 3313	Contemporary Political Theory	
PS 4311	Ancient and Medieval Political Thought (Greeks to 1600)	
PS 4312	Modern Political Theory (1600 - 1900)	
Choose 3 hours from the following:		3
PA 3350	Public Policy Process	
PS 3321	Campaigns and Elections	
PS 3322	Political Parties and Party Politics	
PS 3325	State and Local Government	
PS 3327	The American Founding	
PS 3328	Politics in Film	
PS 3332	Constitutional Law: Basic Structures and Principles	
PS 3333	Constitutional Law: Individual Liberties	
PS 4321	American Foreign Policy	
PS 4323	Latina/o Politics	
PS 4327	Religion and American Public Life	
PS 4334	Legal Theories and Research	
Choose 3 hours from the following:		3
PS 3323	Congress and the Legislative Process	
PS 3324	The American Presidency	
PS 3331	The Supreme Court and the Judicial Process	
Choose 3 hours from the following:		3
PS 3342	African Politics	
PS 3343	Government and Politics of Latin America	
PS 3344	Government and Politics of Europe	
PS 3345	Government and Politics of Russia	
PS 3346	Government and Politics of Asia	
PS 3348	Revolution and Nationalism	
PS 3352	Theories of International Politics	
PS 3353	Issues in World Politics	
PS 3354	United States-Latin America Relations	
PS 4331	Islamic Law and Politics	
PS 4353	International Organizations	
PS 4354	Politics of International Economic Relations	
Total Hours		24

Second Teaching Field in Speech (Grades 7-12)

For students who are seeking a teacher certification within their major and would like a second teaching field in Speech, the requirements are:

Code	Title	Hours
COMM 1310	Fundamentals of Human Communication	3
COMM 2315	Interpersonal Communication	3
COMM 2330	Small Group Communication	3
COMM 2338	Public Speaking	3
COMM 3345	Argumentation and Debate	3
COMM 4310	Methods of Teaching Communication Studies	3
COMM Advanced Electives		3
Choose one of the following:		3
COMM 2326	Interpretive Reading	
COMM 3310	Communication Theory	
COMM 3358	Professional Communication	
COMM 4320	Planning Communication Studies Activities and Events	
Total Hours		24

All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

School of Journalism and Mass Communication

Old Main Building Room 102
Telephone: 512-245-2656 Fax: 512-245-7649
www.masscomm.txstate.edu (http://www.masscomm.txstate.edu)

The School of Journalism and Mass Communication is accredited by the Accrediting Council on Education in Journalism and Mass Communication (ACEJMC). Our program offers a curriculum that introduces students to the broad framework of mass communication, emphasizing what is common and fundamental to advertising, digital media, electronic media, journalism and public relations.

The mission of the School of Journalism and Mass Communication is to pursue excellence. Our programs strive to cultivate strong professional, research, theoretical, critical and ethical skills in a diverse and engaging environment that prepares students to be socially responsible media professionals, scholars and citizens. Students may earn a Bachelor of Arts in Mass Communication or a Bachelor of Science degree with a major in Advertising and Mass Communication, Digital Media Innovation and Mass Communication, Electronic Media and Mass Communication, Journalism and Mass Communication, or Public Relations and Mass Communication.

Students may gain experience by working in student media, such as the *University Star*, KTSW 89.9 FM, *Bobcat Update* a cable access television channel, Bobcat Promotions, and through internships outside the school. They also have the opportunity to participate in intercollegiate competitions through organizations such as the American Advertising Federation, Public Relations Society of America, Texas Intercollegiate Press Association, National Broadcast Society, and the Society of Professional Journalists.

To earn a Bachelor of Science degree students must complete 120 semester hours, which includes the general education core curriculum requirements, B.S. support coursework requirements, 40 hours in the major, and a minor outside the school. Due to ACEJMC accrediting standards at least 72 hours of the total degree must be outside of MC prefix courses. As a result, no more than 48 hours of Mass Communication prefix courses may be counted toward the minimum 120 hours degree requirements. Students should keep this in mind when considering minor, concentration and open elective options.

To earn a Bachelor of Arts degree in Mass Communication, students must complete 120 semester hours, which includes the general education core curriculum requirements, B.A. degree requirements, 33 hours in Mass Communication, and a minor outside the school. No more than 48 hours of Mass Communication prefix courses may be counted toward the minimum 120 hour degree requirements.

For the Bachelor of Science degree community college transfer students may apply no more than 13 semester credit hours of mass communication transfer courses to their degree. Transfer students from four-year institutions may apply no more than 19 semester credit hours of mass communication transfer courses to their degree. Regardless of transfer coursework at least 21 hours of the major coursework must be earned at Texas State.

For the Bachelor of Arts degree community college transfer students may apply no more than 13 semester credit hours of mass communication transfer courses to their degree. Transfer students from four-year institutions may apply no more than 15 semester credit hours of mass communication transfer courses to their degree.

At the Round Rock Campus only the Bachelor of Arts major in Mass Communication degree program is offered. However, students majoring in other programs in the School of Journalism and Mass Communication may find some course offerings at the Round Rock Campus. Contact the School of Journalism and Mass Communication at 512-245-2656 or the One Stop Center at the Round Rock Campus at 512-716-4001 for more information.

In an effort to promote the academic welfare of all Mass Communication students, the school strongly recommends that all students seek academic advising each semester. In certain situations, students may have an advising hold placed on their records. Advisors are available year round to assist students with academic issues and concerns. Students can call 512-245-1932 to make an advising appointment.

Field of Study

The School of Journalism and Mass Communication (SJMC) will accept up to a 13 hour semester credit hour (SCH) block of coursework from the Communication Field of Study* from Texas two-year colleges towards any major in the SJMC. The SJMC will accept up to a 19 hour SCH block of coursework from Texas four-year colleges and universities towards

any BS major in the SJMC and up to a 13 hour SCH block of coursework towards the BA major in the SJMC.

* Coursework from the first three sub-areas of the Communication field of study. These are (1) Advertising/Public Relations, (2) Journalism/ Mass Communication and (3) Radio & Television Broadcasting/Broadcast Journalism. The curriculum in the fourth sub-area of Communication falls under another major and degree program at Texas State and would be applied to that major and degree accordingly, but not to degree programs in the SJMC.

Majors

Advertising and Mass Communication

The Advertising program is dedicated to teaching students the strategic and creative skills necessary to solve clients' real world, real time, business problems. To that end, the Advertising sequence offers courses that cover the major job descriptions of advertising, such as strategic research and planning, business strategy and account management, creative development, ad media planning, buying and analytics. Through the sequence of courses, students are exposed to various job opportunities within the field and learn the skills necessary to become a professional in an advertising agency, company or specialized communications firm. Further, students may participate in Texas State's national, award winning AAF (American Advertising Federation) National Student Advertising Competition (NSAC) team.

Digital Media Innovation and Mass Communication

The Digital Media Innovation (B.S.) program immerses students in the breadth of digital knowledge to prepare them for new and emerging media roles. These roles, requiring advanced technology skills and digital perspective, include news application developers, multimedia experience producers, social media editors, engagement managers and data analysts, and can include positions in traditional media organizations, technology companies and media start-ups. Students in this sequence focus on digital strategy and experimentation associated with new models of storytelling and innovative applications of media.

Electronic Media and Mass Communication

The Electronic Media (B.S.) program offers courses designed to prepare students for careers in broadcasting, cable, satellite and new media. The courses emphasize journalism, audio and video production, management, and programming by combining skills instruction with decision-making opportunities, which students put into practice while working for student media. Electronic media sequence students receive hands-on experience while working for radio station KTSW, a cable access television channel, and online. Students are also encouraged to seek internships in professional media organizations off-campus.

Mass Communication

The Mass Communication (B.A.) program offers students the opportunity to acquire a broad, flexible education aimed at a comprehensive understanding of the changing dynamics of mass communication in society. Whether it's telling a story through multiple platforms, building a personal brand, or engaging in research, the major helps prepare students to reach across the various communication disciplines for new insight, skills, forms of expression, and expanding employment opportunities in mass media.

Journalism and Mass Communication

The Journalism (B.S.) program prepares students to be reporters, editors, designers and visual journalists. An emphasis is placed on writing and multimedia skills. Students are encouraged to work with campus media outlets, including the University Star newspaper, and to seek internships with media organizations off campus.

Public Relations and Mass Communication

The Public Relations (B.S.) program prepares students for rewarding careers in the management of communication across all media platforms. The program focuses on research, innovation, and problem solving in a diverse and global society through creative and strategic thinking and the highest legal and ethical standards. Students have opportunities to practice their skills in Bobcat PRomotions, the student-run public relations agency, and in internships in Texas and major cities in the United States.

Concentrations (Digital Media, Multimedia Production, and Sports Media)

Any student pursuing a B.S. degree in the School of Journalism and Mass Communication may add a concentration in Digital Media, Multimedia Production or Sports Media. The one exception is Digital Media Innovation majors cannot pursue a concentration in Digital Media. Students who elect to add a concentration can apply the 9-hour concentration towards the 12 hours of advanced MC electives required of the B.S. degree.

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a "C" or higher in the following courses or their equivalents:

Code	Title	Hours
ENG 1310	College Writing I	3
ENG 1320	College Writing II	3
COMM 1310	Fundamentals of Human Communication	3
MC 1100B	Grammar for Journalists [1]	1
MC 1301	Introduction to Mass Communication	3

[1] Note: Or a score of 70 or higher on the school's Punctuation, Usage and Grammar (PUG) test. The PUG is given by the Texas State Testing, Research-Support and Evaluation Center on the main campus. The PUG is administered weekly; call 512.245.2276 for testing times. There is a fee of $40 per test. Students enrolled at the Round Rock Campus should call the One Stop Center at (512) 716-4000 for testing information.

Bachelor of Arts (B.A.)

- Major in Mass Communication (p. 296)

Bachelor of Science (B.S.)

- Major in Advertising and Mass Communication (p. 298)
- Major in Advertising and Mass Communication (Digital Media Concentration) (p. 300)
- Major in Advertising and Mass Communication (Multimedia Production Concentration) (p. 301)

- Major in Advertising and Mass Communication (Sports Media Concentration) (p. 303)
- Major in Digital Media Innovation and Mass Communication (p. 305)
- Major in Digital Media Innovation and Mass Communication (Multimedia Production Concentration) (p. 306)
- Major in Digital Media Innovation and Mass Communication (Sports Media Concentration) (p. 308)
- Major in Electronic Media and Mass Communication (p. 309)
- Major in Electronic Media and Mass Communication (Digital Media Concentration) (p. 310)
- Major in Electronic Media and Mass Communication (Multimedia Production Concentration) (p. 312)
- Major in Electronic Media and Mass Communication (Sports Media Concentration) (p. 314)
- Major in Journalism and Mass Communication (p. 315)
- Major in Journalism and Mass Communication (Digital Media Concentration) (p. 317)
- Major in Journalism and Mass Communication (Multimedia Production Concentration) (p. 319)
- Major in Journalism and Mass Communication (Sports Media Concentration) (p. 320)
- Major in Public Relations and Mass Communication (p. 322)
- Major in Public Relations and Mass Communication (Digital Media Concentration) (p. 323)
- Major in Public Relations and Mass Communication (Multimedia Production Concentration) (p. 325)
- Major in Public Relations and Mass Communication (Sports Media Concentration) (p. 327)

Minors

- Journalism
- Mass Communication
- Second Teaching Field in Journalism (Grades 8-12)

Courses in Mass Communication (MC)

MC 1100A. Careers in Media.
Students engage in career exploration in the media professions.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100B. Grammar for Journalists.
Students refine their English grammar skills to a proficiency level needed to be successful journalists.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100C. Seminar in Sports Broadcasting.
Students will engage in sports broadcasting and reporting activities. These activities will be completed through in-class and field-based experiences of at least 15 hours. Students will further develop their writing, broadcasting and interviewing skills.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100D. Digital Entrepreneurship.
This course will explore innovation and creativity associated with digital entrepreneurship. Through a speaker series, students will be introduced to important concepts and ideas from thought leaders and innovators at the intersection of media and technology.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100E. Digital Media Tools and Skills.
This course will explore new tools and skills relevant to the digital age. Topics will include data visualization, spreadsheet usage, media creation software, mobile reporting, drones and sensors in journalism and video editing. May be repeated once for credit. Restricted to full major status.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100F. Digital Media Innovation Concepts.
This course will explore new concepts relevant to the digital age. Topics will include digital media history, ethics, law and will address online privacy, security, crime, identity and censorship. May be repeated once. Restricted to full major status.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100G. Coding Workshop.
This course will explore programming languages relevant to the digital age. Topics will include JavaScript, JQuery, Python, PHP, application programming interfaces, database languages, application development frameworks and other current topics. May be repeated once. Restricted to full major status.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100H. Career Exploration: Destination America.
This career exploration course allows mass communication students to visit and network with media professionals in the United States under the direction of faculty. The career development trip focuses on outlets in media centers in the United States such as: New York, Chicago, Seattle and San Francisco. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100I. Fundamentals of Layout and Design.
Students will learn desktop publishing basics using Adobe Creative Suite's InDesign. The course will cover topics including creating documents for print or digital use, mastering tools required to create a simple page layout consisting of text and imagery and preparing files for review or publication.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100J. Editing and Enhancing Digital Imagery.
Students will learn how to edit, enhance, and create digital imagery for print and web use. Adobe Creative Suite's Photoshop will be used for photos and pixel-based images. Students will use Illustrator to work with illustrations and vector-based images.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100K. Social Media Analytics Platforms.
This course will prepare students for and assist them in achieving social media certifications. Prerequisite: MC 4381 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100L. Park Storytelling.
This course will explore new tools and skills relevant to the digital age, particularly the usage of smart phones in storytelling. Students will use those skills to produce video content in a park. Prerequisite: MC 4381 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100M. Drone Bootcamp.
This course will explore new tools and skills relevant to the digital age, particularly the usage of drones in reporting, videography and multimedia, and prepare students to take the FAA exam.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100O. Freelancing for Media Professionals.
This course provides a practical overview of business topics related to all media and communication fields. Students will learn the art of freelancing, networking, negotiating and other topics designed to assist in developing their career.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100P. Data Journalism.
This course provides students with a basic background in using data to tell journalistic stories. Topics include the collection, cleaning and analysis of data, as well as fundamental techniques of data visualization, including the production of static graphs and interactive components. Prerequisite: MC 4381 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100Q. Post-Production Video.
This course introduces students to, and teaches best practices for applied digital video effects. Topics include: video editing, video animation, green-screen keying, color correction and other visual effects.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100R. The Power of Branding.
This course explores how companies use their brands to create awareness, shift perceptions, gain market share and connect emotionally to consumers. Students will examine how these techniques can be applied to their personal brand.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1301. Introduction to Mass Communication.
A survey of the mass media and other areas of mass communication designed to acquaint the student with the field of communication and what it offers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: COMM 1307

MC 1313. Media Writing.
This course is an introduction to the major forms of Media Writing: electronic media, journalism, public relations and digital. (WI).
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
TCCN: COMM 2311

MC 2111. Media Practicum.
Students perform supervised media work of at least 60 hours for the semester. Credit requires prior written contract with a supervising faculty member. May be repeated twice. Prerequisite: Minimum 2.0 Overall GPA and instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MC 3306. Writing for the Electronic Media.
The study and practice of writing copy for the electronic media, including the composition of commercials, news stories, public service announcements, promotions and documentaries. (WI) Prerequisites: MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MC 3307. Audio Production.
The basics of digital audio production with emphasis on techniques used in producing commercials, public service announcements and promotions. Lab requirements include a regular air-shift on the campus radio station and structured group meetings. Restricted to full major status.
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 3311. Video Production.
Basics of analog and digital video production. Emphasis on techniques used in producing newscasts, commercials, public service announcements, promotions. Lab requirements include field and studio production.
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 3312. Television News.
Standard theory and practice of electronic news gathering and production, including writing copy to match video and synchronization of audio and video in news stories. Students work on a campus news program. (WI) Prerequisites: MC 3306 and [MC 3311 or MC 4324] both with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MC 3319. Visual Communication.
This course studies the principles, theories, and language of visual communication, emphasizing the evaluation and use of images in mass media. It is designed to help you integrate words and pictures in mass communication and to gain a greater appreciation of our visual world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3321. News Writing and Reporting I.
Integrating writing and reporting skills to produce stories across media platforms, including print and online, with an emphasis on storytelling. The study of techniques for locating and assessing information from multiple sources, including interviewing, fact verification, online research and the use of libraries. (WI) Prerequisites: MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MC 3343. Introduction to Public Relations.
This is the introductory course for the public relations sequence. Students will explore the functions of public relations in the digital age in the development of strategic communications for corporations, companies, government offices, non-profit organizations and public relations agencies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3355. Mass Media and Society.
This course offers an examination of the roles of the mass media in American society, including an analysis of the philosophical basis of media structure; mass media as business; media effects of public issues, morals and tastes; and other contemporary issues within a global media context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3360. Public Relations Research.
Students will study the principles, techniques and problems of social science research and digital analytics as they relate to the planning and evaluation of strategic communication. Prerequisite: Full major status.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3367. Advertising.
A broad overview of advertising including history, role and responsibility, and impact of the digital revolution. Key topics will be research, account service, media planning, creative, sales promotion, public relations, campaigns, and the advertising agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3372. Advertising Media Planning.
Study of planning and buying messages in traditional and new media to creatively and effectively reach targeted prospects. Attention is given to media characteristics, scheduling, testing and buying efficiencies. Prerequisites: Full major status, MC 1313 and MC 3367 and MC 4317, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3375. Programming in Electronic Media.
Study of the principles and strategies of winning audiences for the electronic media: television radio, cable, satellite and the internet.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3379. Advertising and Public Relations Management.
Study of managerial problems in advertising and public relations programs. Case study approach to setting goals, developing strategy, budgeting and working in a client-agency relationship. Prerequisites: Full major status, MC 1313 and MC 3343 or MC 3367, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3383. Editing and Managing Content.
Students will incorporate words, images, sound and data into storytelling across platforms. This course tightens the focus on audience, accuracy, meaning, logic, organization, style and form. (WI). Prerequisites: MC 1313; with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MC 3390. Media Design.
Study and application of advanced principles of media design including: basic design principles, typography, color, photography, video, and multimedia. Students will learn production skills for existing and new media. Pre-requisite: Full-major status.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted|Lab Required|Time Conflicts Permitted
Grade Mode: Standard Letter

MC 3394. Management of Electronic Media.
The study of the management of electronic media, including sales, federal regulation, and responsibilities to society, community and stockholders. Prerequisite: Full major status.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4130. Internship.
This course requires a minimum of 100 hours of off-campus experience, written contract with internship coor¬dinator and portfolio of completed work. Students cannot gain more than six hours of credit for any combination of: MC 4130, MC 4230 and MC 4330. Prerequisites: 30 credit hours, full-major status, good academic standing and appropriate sequence coursework.
1 Credit Hour. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 4230. Internship.
This course requires a minimum of 150 hours of off-campus experience, written contract with internship coordinator and portfolio of completed work. Students cannot gain more than six hours of credit for any combination of: MC 4130, MC 4230 and MC 4330. Prerequisites: 30 credit hours, full-major status, good academic standing and appropriate sequence coursework.
2 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4301. Media Law and Ethics.
This course offers a study of law governing journalism, advertising, electronic media and public relations. Restricted to full major status and junior standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4302. History of Mass Media.
Students will study the development of mass media, advertising and public relations in the United States from 1690 to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4303. International Advertising.
Overview of international marketing and advertising; problems and opportunities of a global economy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4304. Advertising Strategy and Execution-Portfolio.
Course emphasizes projects that allow students to learn how to produce and display professional portfolios to enhance their employment opportunities. Prerequisites: Full major status, MC 1313 and MC 3367, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 4305. Theories of Mass Communication.
A study of the predominant theories of communication, including mass media effects, functions and controls. Prerequisites: Full major status. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MC 4306. Advertising Competition.
The course will focus on developing an integrated marketing communications campaign for a national client as part of the National Student Advertising Competition. Students will create a campaign from the developmental through the execution process. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4307. Advertising Campaigns.
Students will develop, coordinate and evaluate a complete advertising campaign for specific clients. Students will conduct market research, formulate objectives and strategies, recommend media plans and develop creative execu¬tions through plans books and presentations. (WI) Prerequisites: Full major status, MC 4316G and MC 4317 and MC 3372; a grade of "C" or better is required in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MC 4308. Women and Minorities in the Media.
Analysis of the images of women and minorities in the media and their status as media professionals. Includes study of the alternative media. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 4309. Visual Literacy: Film.
The course will teach how meaning is constructed in visual images by using film as a practical medium. It provides the necessary skills to critique and create effective images. It is especially useful for students majoring in image-based sequences of the mass communication major, particularly broadcasting and advertising.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4310. International Communication.
A study of media systems worldwide in different socioeconomic contexts and an examination of patterns of international communication flow.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4311. Independent Study.
Students complete an academic project requiring the equivalent of 160 hours work. Requires prior written contract with faculty member and portfolio of completed work. Cannot be repeated.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 4312. Photojournalism.
Students will develop skills in camera operation, learn computer software applications, learn how to combine words with stories, and how to make layouts and designs for print and multimedia. Students will learn basic analog and digital camera operations, and how to process digital images for the Web and for printing. Restricted to full major status.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4313. Writing for Public Relations.
This course provides an examination and application of digital and traditional communication tools required for effective public relations. Emphasis is placed on the strategic use of digital media in a modern communication society. (WI) Prerequisites: Full major status, MC 1313 and MC 3343; a grade of "C" or better is required in all prerequisites.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MC 4315. Web Design Publishing.
Students will develop skills in web page construction including Web editing, image and graphic manipulation, animation, and audio and video editing. The course will cover the topics of design, content, and accessibility, as well as important social and ethical issues associated with online publishing. Prerequisite: Full-major status, MC 1313 and MC 4381; a grade of "C" or better is required in all prerequisites.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4316D. Advertising Media Sales.
An overview of advertising, media selling, and salesmanship, sales strategies, sales management, and case histories designed to acquaint students with a vital function of the business. Prerequisites: Full major status, MC 1313 and MC 3367, all with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4316H. Advertising Copywriting and Layout.
This is a copywriting and ad layout class. Using the skills learned in MC 4333, students will expand their digital techniques, art direction skills and writing capabilities to create professional level advertising campaigns. Prerequisites: Full-major status and MC 4333 with a grade of "C" or higher.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4316I. Advanced Strategic Account Planning.
This course will expand upon skills learned in Account Planning to further students' ability to define business problems, analyze data, discover insights and define appropriate communications strategy. Students will use research techniques including secondary, qualitative and quantitative methods to deliver strong, informational and inspirational creative briefs, strategy documents and presentations. Prerequisite: MC 4317, with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4317. Account Planning.
Hands-on introduction to applied advertising research and account planning. Primary, survey and qualitative research methods are designed, executed and presented by students for the purpose of integrating the consumer's perspective into creative strategy. Prerequisites: Full-major status, MC 3367; a grade of "C" or better is required in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4318. Media Ethics.
The study of freedom and responsibilities of the mass media practitioners and institutions, explored within the framework of ethical theories. Consideration of values, codes of ethics, moral development, professionalism and institutional constraints as applied to the media of information, persuasion and entertainment will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4319. Latinas/Latinos and the Media.
The course focuses on demographic developments related to Latinos in the US; their portrayals in the media; the effects those portrayals; the history and current status of selected Latino-oriented media and ancillary media companies and organizations; and the role of the media in Latino politics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4320. Public Relations Campaigns.
A comprehensive study of effective public relations in a modern society. Students learn the professional approach to the practice of public relations that includes internet applications and how to evaluate its function and value while applying ethical standards of conduct. (WI). Prerequisite: Full major status; MC 3360 and MC 4313; and one course from MC 3390 or MC 4315 or MC 4326; a grade of "C" or better is required in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MC 4322. Health Communication Campaigns.
This class will provide an overview of the theory and practice of designing, producing and evaluating health-communication campaigns. We will examine persuasive approaches to behavioral change; audience, message and channel factors in campaign development. Our work will emphasize communication approaches, including mass media, social marketing and "new media.".
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4323. Multimedia Journalism.
Students will be introduced to topics related to online journalism. Topics covered will include the online journalism profession, Web credibility, online reporting sources, cyberlaw including libel and copyright, blogging and podcasting, and basic multimedia design. Students will both critique and create online materials. Prerequisites: Full-major status, MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4324. Visual Storytelling.
This course is an introduction to basic elements of video journalistic storytelling for today's converged newsrooms. Students gather information using journalism practices, such as in-person interviews, and learn to use video newsgathering technologies to produce stories for online and other digital platforms. Prerequisite: Full-major status.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4325. Coding and Data Skills for Communicators.
Students are introduced to programming and data concepts relevant to communicators. Data visualization and storytelling tools and techniques are covered as related to journalism, advertising and public relations. Prerequisites: Full-major status, MC 4315 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4326. Advanced Social Media and Analytics.
This course will provide students with an advanced understanding of social media, marketing plans and social media analytics. Students will build company and/or journalistic profiles on social networks - Facebook, Twitter, Pinterest, YouTube, Instagram and more - to engage with audiences and communities and utilize analytical tools to track success. Prerequisites: Full-major status, MC 4381 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 4327. Mobile Media and Development.
This course will introduce students to mobile communication and production that is relevant to mass communication. As mobile devices are a vital communication medium in our everyday life, it is essential to understand how mobile communication works and how to effectively produce online content for mobile devices. Prerequisites: Full-major status, MC 4315 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4328. Digital Media Innovation Capstone.
This course will explore innovation and creativity associated with digital entrepreneurship. Through a speaker series, students will be introduced to important concepts and ideas from thought leaders and innovators at the intersection of media and technology. Prerequisites: Full-major status, MC 4315 and MC 4382U or MC 4326 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4329. Sports Media.
Sports Media explores the synergy among sports, athletes, media, public relations, advertising-marketing-promotion, and sports information disciplines and audiences in a multiplatform media environment. Through class activities and practical experiences, students analyze media—newspapers, magazines, books, movies, radio, TV, online, forums, blogs and social media—in relationship to the sports industry. Prerequisite: Full major status.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4330. Internship.
This course requires 180 hours of off-campus experi¬ence, written contract with internship coordinator and portfolio of completed work. Students cannot gain more than six hours of credit for any combination of: MC 4130, MC 4230 and MC 4330. Prerequisites: 30 credit hours, full-major status, good academic standing and appropriate sequence coursework.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 4331. Strategic Sports Communication.
This course focuses on the application of communication strategies and tactics used by sports teams and leagues to manage relationships with various stakeholders and promote their brand using multiple mass media channels. Students will learn about emerging trends in strategic sports communication and the sociological aspects of sports fans. Prerequisites: Full major status; MC 4382X or MC 4329, a grade of "C" or better is required in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4332. Public Relations Fundraising and Special Events.
A specialized course dealing with the development and implementation of fundraising. Topics include grants, special events, and annual/capital campaigns. Prerequisite: MC 1313 and 3343; A minimum grade of "C" is required in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4333. Creative Thinking & Advertising Concepting.
This course focuses on the advancement of creative thinking and translating those skills into developing a creative concept to support an advertising strategy. This class will provide tools to develop ideas, and an understanding how the creative team works with other teams in advertising. Prerequisite: MC 3367 and MC 4317; A minimum grade of "C" is required in all prerequisites.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 4335. Mass Communication Project/Research Capstone.
This is a senior portfolio course integrating a variety of mass communication skills to produce a substantial project or research for the Mass Communication major capstone. Students work with the guidance of their supervising professor to complete the project or research. Prerequisite: MC 3360 and MC 4305; A minimum grade of "C" is required in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MC 4336B. Documentaries.
A course in reporting and production of comprehensive public affairs and feature stories for the electronic media. Prerequisite: MC 3312. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4336E. Code Camp I.
Students are immersed in programming concepts relevant to communicators. Students will practice document object model manipulation using JavaScript and JQuery to create interactive Web projects. Prerequisite: MC4315 with a letter grade of B or better. Corequisite: MC 4336F.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4336F. Code Camp II.
Students are immersed in data and visualization concepts relevant to communicators. Students will create interactive data visualization projects to be presented on the Web. Prerequisite: MC4315 with a grade of "B" or better. Corequisite: MC 4336E.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4336G. Immersive Storytelling: Virtual Reality and 360 Video.
This course will examine new storytelling opportunities brought on by virtual reality and 360 video. It will provide a framework for understanding how this new platform can be used by the media to communicate with audiences and communities. Prerequisite: MC 4381; A minimum grade of "C" is required in all prerequisites.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4337. Data Journalism.
Students will use a variety of tools and software to acquire and analyze data to produce news stories and data visualizations. Prerequisite: MC 1313, MC 4381; with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4356A. Science Writing and Reporting.
Students learn to interpret complex concepts and present accurate, engaging news and feature stories about the latest research. Prerequisites: Full major status; MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4356B. Editorials, Columns, and Reviews.
The study and writing of newspaper, magazine and online editorials, columns, and books, film and music reviews. Prerequisites: Full major status; MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4356C. Community Affairs.
A lecture-discussion course, dealing with the coverage of local economy and business, government and social services functions as well as political activities like elections and lobbying efforts. Prerequisites: Full major status, MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4356F. Feature Writing.
A course designed to expose students to the art of feature writing through the study of acclaimed works of literary journalism. Students will develop a narrative voice of their own while studying and analyzing the techniques of a diverse group of writers. (WI) Prerequisites: Full major status, MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4356G. Magazine Writing.
This course introduces students to long form nonfiction writing for magazines. Crafting longer pieces requires a honed set of skills that includes deft interviewing and observation, an understanding of structure and pace and powers of discernment and nuance. (WI) Prerequisites: Full major status, MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4357. Sports as News.
This course emphasizes the reporting, writing and production of content for both print and electronic media. Students will interview players, coaches and administrators of collegiate athletics and work with media professionals to better understand challenges and demands of contemporary sports coverage. Prerequisites: Full-major status, MC 1313, MC 4382X (current)/ MC 4329 (fall 2017); a grade of "C" or better is required in all prerequisites.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4376C. Public Relations Case Studies.
Public Relations Case Studies will seek, with case studies and problems, to help future practitioners develop agility in the principles and the application of effective two-way communications in a wide variety of situations likely to confront them and their employers. Prerequisites: Full major status, MC 1313, and MC 3343 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4376D. Public Relations Writing & Design.
Students will gain a broad understanding of the wide range of print publications and writing assignments found in public relations. They will learn how to research, organize, write and design a variety of print pieces for targeted audiences using a popular design and layout program. Prerequisites: Full major status, MC 1313 and MC 3343, all with a grade of "D" or better. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4376F. International Strategic Communication.
This course will explore advertising and public relations practices in foreign countries through readings, discussion and site visits within media organizations in foreign countries. Marketing practices abroad will be compared to those in the United States.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4381. Fundamentals of Digital and Online Media.
Students will be introduced to topics related to digital/online media and mass communication. Course covers the effects of the Internet and related technologies on the fields of journalism, interactive advertising and public relations, search engines, personal branding, social networking and mobile platforms.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 4382L. Feature Writing and Freelancing.
This course is designed to introduce students to the technical expertise, research methods, interviewing skills and narrative techniques pertinent to feature writing. The course also explores how to target a feature story to a specific audience and how to submit feature stories for publication to newspapers and magazines. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4382O. Travel Journalism.
Exploration of techniques of writing journalistic travel narratives for the media. The course may involve travel at the student's own expense.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4382Q. Media in Asia and Southeast Asia.
This course will study media systems in Asia and Southeast Asia and examine the different socioeconomic contexts and patterns of information flow.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4382R. Media Violence.
This course examines the relationship between exposure to media violence (TV, movies, video games) to aggressive behavior. It will introduce you to the most important published research in this study area as well as to the continuing controversy as to how, or even whether, media violence leads to aggressive behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4382Y. Mobile Storytelling in the Park.
This course will explore new tools and skills relevant to the digital age, particularly the usage of smart phones in storytelling. Students will use those skills to produce video content as part of a weekend in a state park.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4386. Journalism Project.
This is a senior portfolio course integrating a variety of journalism skills to produce a substantial work ready for publication online and in print. Students will combine elements of writing and visual stortelling to produce an original collection of journalism. (WI) Prerequisites: MC 3383, MC 4337, and MC 4323; all with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in Mass Communication

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a "C" or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
4. For transfer students, 12 semester credit hours (1 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Areas of Advertising/Public Relations, Journalism/Mass Communication and Radio & Television Broadcasting/Broadcast Journalism and be applied to the Bachelor of Arts degree with a major in Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 3 hours from the following:		3
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
Competency Area 2 Choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
Competency Area 3 Choose 3 hours from the following:		3
MC ELNA		
TCCN: COMM 1316		
MC ELNA		
TCCN: COMM 1336		
MC ELNA		
TCCN: COMM 2303		
MC ELNA		
TCCN: COMM 2315		
MC ELNA		
TCCN: COMM 2324		
MC ELNA		
TCCN: COMM 2332		
Competency Area 4 Choose 3 hours from the following:		3
MC ELNA		
TCCN: COMM 1335		
MC ELNA		
TCCN: COMM 2300		
MC ELNA		
TCCN: COMM 2302		
Total Hours		12

5. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

6. All students in this degree program must earn a "C" or higher in all prerequisite courses and MC 4335.
7. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
8. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
Life & Physical Sciences Component Code 030	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3355	3
Life & Physical Sciences Component Code 030	3
Modern Language 1410	4
Modern Language 1420	4
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
	29

Junior	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
MC 3360	3
MC Elective	3
Select one of the following:	3
MC 3319	
MC 3311	
MC 3390	
MC 4304	
MC 4312	
MC 4309	
MC 4315	
Minor	6
Modern Language 2310	3
Modern Language 2320	3
SOCI 3307	3
BA ENG Literature	3
	30

Senior	Hours
MC 3383	3
MC 4305	3
MC 4301	3
MC 4335	3
Minor	12
Electives	5
	29

Total Hours: 120

Bachelor of Science (B.S.) Major in Advertising and Mass Communication

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a "C" or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Advertising/Public Relations and be applied to the Bachelor of Science degree with a major in Advertising and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list. In some cases there are no direct equivalents for FOS courses, so the student would receive elective credit as indicated below with MA ELNA.

Code	Title	Hours
Competency Area 1 choose 9 hours from the following:		9
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
MC 3343	Introduction to Public Relations	
TCCN: COMM 2330		
MC 3367	Advertising	
TCCN: COMM 2327		
MC ELNA		
TCCN: COMM 2300		
MC ELNA		
TCCN: COMM 2301		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
MC 3306	Writing for the Electronic Media	
TCCN: COMM 2339		
MC 3311	Video Production	
TCCN: COMM 1336		
MC 3321	News Writing and Reporting I	
TCCN: COMM 2315		
MC 3383	Editing and Managing Content	
TCCN: COMM 2305		
MC 4312	Photojournalism	
TCCN: COMM 1318		
MC ELNA		
TCCN: COMM 1319		
MC ELNA		
TCCN: COMM 1337		
MC ELNA		
TCCN: COMM 2328		

MC ELNA	
TCCN: COMM 2329	
MC ELNA	
TCCN: COMM 2332	
Total Hours	12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in the following major courses:

Code	Title	Hours
MC 3367	Advertising	3
MC 3372	Advertising Media Planning	3
MC 4333	Creative Thinking & Advertising Concepting	3
MC 4317	Account Planning	3
MC 4307	Advertising Campaigns	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3367	3
Life & Physical Sciences Component Code 030	6
MC Elective	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
Computer Science, Logic, Mathematics or Science[1]	3
ENG Literature	3
MC 4317	3
MC 4333	3
MC 3372	3
Minor	9
MC Elective	3
MC Advanced Elective	3
	30

Senior	Hours
MC 4307	3
MC Advanced Elective	3
MC 4301	3
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	9
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316.

Bachelor of Science (B.S.) Major in Advertising and Mass Communication (Digital Media Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a "C" or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Advertising/Public Relations and be applied to the Bachelor of Science degree with a major in Advertising and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 9 hours from the following:		9
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
MC 3343	Introduction to Public Relations	
TCCN: COMM 2330		
MC 3367	Advertising	
TCCN: COMM 2327		
MC ELNA		
TCCN: COMM 2300		
MC ELNA		
TCCN: COMM 2301		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
MC 3306	Writing for the Electronic Media	
TCCN: COMM 2339		
MC 3311	Video Production	
TCCN: COMM 1336		
MC 3321	News Writing and Reporting I	
TCCN: COMM 2315		
MC 3383	Editing and Managing Content	
TCCN: COMM 2305		
MC 4312	Photojournalism	
TCCN: COMM 1318		
MC ELNA		
TCCN: COMM 1319		
MC ELNA		
TCCN: COMM 1337		
MC ELNA		
TCCN: COMM 2328		
MC ELNA		
TCCN: COMM 2329		
MC ELNA		
TCCN: COMM 2332		
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in the following major courses:

Code	Title	Hours
MC 3367	Advertising	3
MC 4317	Account Planning	3
MC 3372	Advertising Media Planning	3
MC 4333	Creative Thinking & Advertising Concepting	3
MC 4307	Advertising Campaigns	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3

ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	**Hours**
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3367	3
Life & Physical Sciences Component Code 030	6
MC 4315	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	**Hours**
Computer Science, Logic, Mathematics or Science	3
ENG Literature	3
MC 4317	3
MC 4333	3
MC 3372	3
Minor	9
Select six hours from the following:	6
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100P	
MC 3390	
MC 4323	
MC 4324	
MC 4325	
MC 4326	
MC 4326	
MC 4327	
MC 4336B	
MC 4336E	
MC 4336F	
MC 4336G	
MC 4382Y	
	30

Senior	**Hours**
MC 4307	3
MC Elective	3
MC 4301	3
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	9
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316.

Bachelor of Science (B.S.) Major in Advertising and Mass Communication (Multimedia Production Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty

credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.

a. An overall GPA of at least a 2.5 on a 4.0 scale.
b. A grade of a "C" or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Advertising/Public Relations and be applied to the Bachelor of Science degree with a major in Advertising and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 9 hours from the following:		9
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
MC 3343	Introduction to Public Relations	
TCCN: COMM 2330		
MC 3367	Advertising	
TCCN: COMM 2327		
MC ELNA		
TCCN: COMM 2300		
MC ELNA		
TCCN: COMM 2301		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
MC 3306	Writing for the Electronic Media	
TCCN: COMM 2339		
MC 3311	Video Production	
TCCN: COMM 1336		
MC 3321	News Writing and Reporting I	
TCCN: COMM 2315		
MC 3383	Editing and Managing Content	
TCCN: COMM 2305		
MC 4312	Photojournalism	
TCCN: COMM 1318		
MC ELNA		
TCCN: COMM 1319		
MC ELNA		
TCCN: COMM 1337		
MC ELNA		
TCCN: COMM 2328		
MC ELNA		
TCCN: COMM 2329		
MC ELNA		
TCCN: COMM 2332		
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in the following major courses:

Code	Title	Hours
MC 3367	Advertising	3
MC 4317	Account Planning	3
MC 4333	Creative Thinking & Advertising Concepting	3
MC 3372	Advertising Media Planning	3
MC 4307	Advertising Campaigns	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3

Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3367	3
Life & Physical Sciences Component Code 030	6
MC 3319	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
Computer Science, Logic, Mathematics or science[1]	3
ENG Literature	3
MC 4333	3
MC 4317	3
MC 3372	3
Minor	9
Select two of the following:	6
MC 3311	
MC 3312	
MC 3390	
MC 4312	
MC 4324	
	30

Senior	Hours
MC 4307	3
MC Elective	3
MC 4301	3
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	9
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316.

Bachelor of Science (B.S.) Major in Advertising and Mass Communication (Sports Media Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a "C" or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Advertising/Public Relations and be applied to the Bachelor of Science degree with a major in Advertising and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number

(TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 9 hours from the following:		9
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
MC 3343	Introduction to Public Relations	
TCCN: COMM 2330		
MC 3367	Advertising	
TCCN: COMM 2327		
MC ELNA		
TCCN: COMM 2300		
MC ELNA		
TCCN: COMM 2301		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
MC 3306	Writing for the Electronic Media	
TCCN: COMM 2339		
MC 3311	Video Production	
TCCN: COMM 1336		
MC 3321	News Writing and Reporting I	
TCCN: COMM 2315		
MC 3383	Editing and Managing Content	
TCCN: COMM 2305		
MC 4312	Photojournalism	
TCCN: COMM 1318		
MC ELNA		
TCCN: COMM 1319		
MC ELNA		
TCCN: COMM 1337		
MC ELNA		
TCCN: COMM 2328		
MC ELNA		
TCCN: COMM 2329		
MC ELNA		
TCCN: COMM 2332		
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in the following major courses:

Code	Title	Hours
MC 3367	Advertising	3
MC 4317	Account Planning	3
MC 4333	Creative Thinking & Advertising Concepting	3
MC 3372	Advertising Media Planning	3
MC 4307	Advertising Campaigns	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3367	3
Life & Physical Sciences Component Code 030	6
MC 4329	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
Computer Science, Logic, Mathematics or science[1]	3
ENG Literature	3
MC 4317	3
MC 4333	3
MC 3372	3
Minor	9
Select six hours from the following:	6
MC 4312	

MC 4324	
MC 4330	
MC 4331	
MC 4357	
	30

Senior	Hours
MC 4307	3
MC Elective	3
MC 4301	3
Select one of the following	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	9
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316.

Bachelor of Science (B.S.) Major in Digital Media Innovation and Mass Communication

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a “C” or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Students must earn a letter grade of a "B" or higher in MC 4315 and MC 4326.
6. All students in this degree program must earn a "C" or higher in each of the core courses in Mass Communication and the major capstone which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3
MC 4328	Digital Media Innovation Capstone	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 4315	3
Life & Physical Sciences Component Code 030	6
MC Elective	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
ENG Literature	3
Computer Science, Logic, Mathematics or science[1]	3
MC 4326	3
Minor	9
Select six of the following:	6
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100P	
MC 3390	
MC 4323	
MC 4324	
MC 4325	
MC 4327	
MC 4336B	
MC 4336E	
MC 4336F	
MC 4336F	
MC 4336G	
MC 4382Y	
MC Elective	3
Free Electives	3
	30

Senior	Hours
MC 4328	3
MC 4301	3
MC Advanced Electives	6
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	6
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316 .

Bachelor of Science (B.S.) Major in Digital Media Innovation and Mass Communication (Multimedia Production Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a “C” or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.

3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. All students in this degree program must earn a "B" or higher in MC 4315 and MC 4326.
6. All students in this degree program must earn a "C" or higher in each of core courses in Mass Communication and the major capstone which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3
MC 4328	Digital Media Innovation Capstone	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 4315	3
Life & Physical Sciences Component Code 030	6
MC 3319	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
ENG Literature	3
Computer Science, Logic, Mathematics or science[1]	3
MC 4326	3
Minor	9
Select two of the following:	6
MC 3390	
MC 4336B	
MC 4323	
MC 4324	
MC 4325	
MC 4327	
MC Elective	3
Free Electives	3
	30

Senior	Hours
MC 4328	3
MC 4301	3
Select two of the following:	6
MC 3311	
MC 3312	
MC 3390	
MC 4312	
MC 4324	
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	6
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316 .

Bachelor of Science (B.S.) Major in Digital Media Innovation and Mass Communication (Sports Media Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a “C” or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. All students in this degree program must earn a "B" or higher in MC 4315 and MC 4326.
6. All students in this degree program must earn a "C" or higher in each core courses in Mass Communication and the major capstone which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3
MC 4328	Digital Media Innovation Capstone	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3311 or 4324	3
Life & Physical Sciences Component Code 030	6
MC 4329	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
ENG Literature	3
Computer Science, Logic, Mathematics or science[1]	3
MC 3306	3
MC 3394	3
Minor	9
Select six hours from the following:	6
MC 4312	
MC 4324	
MC 4330	
MC 4331	
MC 4357	
	27

Senior	Hours
MC 3312	3
MC 4301	3

Select one of the following:	3
MC 3307	
MC 3375	
MC 4315	
MC 4357	
MC Elective	3
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	9
	31

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316.

Bachelor of Science (B.S.) Major in Electronic Media and Mass Communication

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a “C” or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Radio & Television Broadcasting/Broadcast Journalism and be applied to the Bachelor of Science degree with a major in Electronic Media and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 3 hours from the following:		3
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
MC ELNA		
TCCN: COMM 1335		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
MC ELNA		
TCCN: COMM 2339		
Competency Area 3 choose 3 hours from the following:		3
MC 3311	Video Production	
TCCN: COMM 1336		
Competency Area 4 choose 3 hours from the following:		3
MC ELNA		
TCCN: COMM 2303		
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in the following major courses:

Code	Title	Hours
MC 3306	Writing for the Electronic Media	3
MC 3311 or MC 4324	Video Production Visual Storytelling	3
MC 3312	Television News	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3311 or 4323	3
Life & Physical Sciences Component Code 030	6
MC Elective	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 030)	3
SOCI 3307	3
	30

Junior	Hours
ENG Literature	3
Computer Science, Logic, Mathematics or science[1]	3
MC 3306	3
MC 3394	3
Minor	9
MC Advanced Elective	3
MC Elective	3
Free Elective	3
	30

Senior	Hours
MC 3312	3
MC 4301	3
Select one of the following:	3
MC 3307	
MC 3375	
MC 4315	
MC 4357	
MC Advanced Elective	3
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	6
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316 .

Bachelor of Science (B.S.) Major in Electronic Media and Mass Communication (Digital Media Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student

will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.

a. An overall GPA of at least a 2.5 on a 4.0 scale.

b. A grade of a “C” or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Radio & Television Broadcasting/Broadcast Journalism and be applied to the Bachelor of Science degree with a major in Electronic Media and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 3 hours from the following:		3
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
MC ELNA		
TCCN: COMM 1335		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
MC ELNA		
TCCN: COMM 2339		
Competency Area 3 choose 3 hours from the following:		3
MC 3311	Video Production	
TCCN: COMM 1336		
Competency Area 4 choose 3 hours from the following:		3
MC ELNA		
TCCN: COMM 2303		
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in the following major courses:

Code	Title	Hours
MC 3306	Writing for the Electronic Media	3
MC 3311	Video Production	3
or MC 4324	Visual Storytelling	
MC 3312	Television News	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3311 or 4324	3
Life & Physical Sciences Component Code 030	6
MC 4315	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
ENG Literature	3
Computer Science, Logic, Mathematics or science[1]	3
MC 3306	3
MC 3394	3
Minor	9
Select six hours from the following:	6
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100P	
MC 3390	
MC 4323	
MC 4324	
MC 4325	
MC 4326	
MC 4327	
MC 4336B	
MC 4336E	
MC 4336F	
MC 4336G	
MC 4382Y	
	27

Senior	Hours
MC 3312	3
MC 4301	3
Select one of the following:	3
MC 3307	
MC 3375	
MC 4315	
MC 4357	
MC Elective	3
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	9
	31

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316 .

Bachelor of Science (B.S.) Major in Electronic Media and Mass Communication (Multimedia Production Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a “C” or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Radio & Television Broadcasting/Broadcast Journalism and be applied to the Bachelor of Science degree with a major in Electronic Media and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas

Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 3 hours from the following:		3
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
MC ELNA		
TCCN: COMM 1335		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
MC ELNA		
TCCN: COMM 2339		
Competency Area 3 choose 3 hours from the following:		3
MC 3311	Video Production	
TCCN: COMM 1336		
Competency Area 4 choose 3 hours from the following:		3
MC ELNA		
TCCN: COMM 2303		
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in the following major courses:

Code	Title	Hours
MC 3306	Writing for the Electronic Media	3
MC 3311	Video Production	3
or MC 4324	Visual Storytelling	
MC 3312	Television News	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3311 or 4324	3
Life & Physical Sciences Component Code 030	6
MC 3319	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
ENG Literature	3
Computer Science, Logic, Mathematics or science[1]	3
MC 3306	3
MC 3394	3
Minor	9
Select two of the following:	6
MC 3311	
MC 3312	
MC 3390	
MC 4312	
MC 4324	
	27

Senior	Hours
MC 3312	3
MC 4301	3
Select one of the following:	3
MC 3307	
MC 3375	
MC 4315	
MC 4357	
MC Elective	3
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	

MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	9
	31

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316 .

Bachelor of Science (B.S.) Major in Electronic Media and Mass Communication (Sports Media Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a “C” or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Radio & Television Broadcasting/Broadcast Journalism and be applied to the Bachelor of Science degree with a major in Electronic Media and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 3 hours from the following:		3
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
MC ELNA		
TCCN: COMM 1335		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
MC ELNA		
TCCN: COMM 2339		
Competency Area 3 choose 3 hours from the following:		3
MC 3311	Video Production	
TCCN: COMM 1336		
Competency Area 4 choose 3 hours from the following:		3
MC ELNA		
TCCN: COMM 2303		
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in the following major courses:

Code	Title	Hours
MC 3306	Writing for the Electronic Media	3
MC 3311	Video Production	3
or MC 4324	Visual Storytelling	
MC 3312	Television News	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3

Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3311 or 4324	3
Life & Physical Sciences Component Code 030	6
MC 4329	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
ENG Literature	3
Computer Science, Logic, Mathematics or science[1]	3
MC 3306	3
MC 3394	3
Minor	9
Select six hours from the following:	6
MC 4312	
MC 4324	
MC 4330	
MC 4331	
MC 4357	
	27

Senior	Hours
MC 3312	3
MC 4301	3
Select one of the following:	3
MC 3307	
MC 3375	
MC 4315	
MC 4357	
MC Elective	3
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	9
	31

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316.

Bachelor of Science (B.S.) Major in Journalism and Mass Communication

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a "C" or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.

3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Journalism/Mass Communication and be applied to the Bachelor of Science degree with a major in Journalism and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 3 hours from the following:		3
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
Competency Area 3 choose 3 hours from the following:		3
MC ELNA		
TCCN: COMM 1316		
MC ELNA		
TCCN: COMM 1336		
MC ELNA		
TCCN: COMM 2303		
MC ELNA		
TCCN: COMM 2315		
MC ELNA		
TCCN: COMM 2324		
MC ELNA		
TCCN: COMM 2332		
Competency Area 4 choose 3 hours from the following:		3
MC ELNA		
TCCN: COMM 1335		
MC ELNA		
TCCN: COMM 2300		
MC ELNA		
TCCN: COMM 2302		
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

4. All students in this degree program must earn a "C" or higher in all prerequisite courses and in MC 4386.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3383	3
Life & Physical Sciences Component Code 030	6
MC Elective	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
ENG Literature	3
Computer Science, Logic, Mathematics or Science[1]	3
MC 4323	3
Minor	9
MC 3321	3
MC 4337	3
MC Advanced Elective	3
Free Electives	3
	30

Senior	Hours
MC 4386	3
MC 4301	3
MC Advanced Elective	6
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	6
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316.

Bachelor of Science (B.S.) Major in Journalism and Mass Communication (Digital Media Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a "C" or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Journalism/Mass Communication and be applied to the Bachelor of Science degree with a major in Journalism and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 3 hours from the following:		3
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
Competency Area 3 choose 3 hours from the following:		3
MC ELNA		
TCCN: COMM 1316		
MC ELNA		
TCCN: COMM 1336		
MC ELNA		
TCCN: COMM 2303		
MC ELNA		
TCCN: COMM 2315		
MC ELNA		
TCCN: COMM 2324		
MC ELNA		
TCCN: COMM 2332		
Competency Area 4 choose 3 hours from the following:		3
MC ELNA		
TCCN: COMM 1335		
MC ELNA		
TCCN: COMM 2300		
MC ELNA		
TCCN: COMM 2302		
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in MC 4386.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3383	3
Life & Physical Sciences Component Code 030	6
MC 4315	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
ENG Literature	3
Computer Science, Logic, Mathematics or science[1]	3
MC 3390 or 4315	3
Minor	9
MC 3321	3
MC 4337	3
Select six hours from the following:	6
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100P	
MC 4323	
MC 4324	
MC 4325	
MC 4326	
MC 4327	
MC 4336B	
MC 4336E	
MC 4336F	
MC 4336G	
MC 4382Y	
	30

Senior	Hours
MC 4386	3
MC 4301	3
MC Elective	3
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	9
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316.

Bachelor of Science (B.S.) Major in Journalism and Mass Communication (Multimedia Production Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a "C" or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.

4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Journalism/Mass Communication and be applied to the Bachelor of Science degree with a major in Journalism and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 3 hours from the following:		3
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
Competency Area 3 choose 3 hours from the following:		3
MC ELNA		
TCCN: COMM 1316		
MC ELNA		
TCCN: COMM 1336		
MC ELNA		
TCCN: COMM 2303		
MC ELNA		
TCCN: COMM 2315		
MC ELNA		
TCCN: COMM 2324		
MC ELNA		
TCCN: COMM 2332		
Competency Area 4 choose 3 hours from the following:		3
MC ELNA		
TCCN: COMM 1335		
MC ELNA		
TCCN: COMM 2300		
MC ELNA		
TCCN: COMM 2302		
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in MC 4386.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3

Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3383	3
Life & Physical Sciences Component Code 030	6
MC 3319	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
ENG Literature	3
Computer Science, Logic, Mathematics or science[1]	3
MC 3390 or 4315	3
Minor	9
MC 3321	3
MC 4337	3
Select two of the following:	6
MC 3311	
MC 3312	
MC 3390	
MC 4312	
MC 4324	
	30

Senior	Hours
MC 4386	3
MC 4301	3
MC Elective	3
Select one of the following:	1
MC 1100A	
MC 1100B	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	9
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316 .

Bachelor of Science (B.S.) Major in Journalism and Mass Communication (Sports Media Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a "C" or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Journalism/Mass Communication and be applied to the Bachelor of Science degree with a major in Journalism and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number

(TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 3 hours from the following:		3
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
Competency Area 3 choose 3 hours from the following:		3
MC ELNA		
TCCN: COMM 1316		
MC ELNA		
TCCN: COMM 1336		
MC ELNA		
TCCN: COMM 2303		
MC ELNA		
TCCN: COMM 2315		
MC ELNA		
TCCN: COMM 2324		
MC ELNA		
TCCN: COMM 2332		
Competency Area 4 choose 3 hours from the following:		3
MC ELNA		
TCCN: COMM 1335		
MC ELNA		
TCCN: COMM 2300		
MC ELNA		
TCCN: COMM 2302		
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in MC 4386.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3383	3
Life & Physical Sciences Component Code 030	6
MC 4329	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
ENG Literature	3
Computer Science, Logic, Mathematics or science[1]	3
MC 3390 or 4315	3
Minor	9
MC 3321	3
MC 4337	3
Select six hours from the following:	6
MC 4312	
MC 4324	
MC 4330	
MC 4331	
MC 4357	
	30

Senior	Hours
MC 4386	3
MC 4301	3
MC Elective	3
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	

MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	9
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316.

Bachelor of Science (B.S.) Major in Public Relations and Mass Communication

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a "C" or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.

4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).

5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Advertising/Public Relations and be applied to the Bachelor of Science degree with a major in Public Relations and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 9 hours from the following:		9
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
MC 3343	Introduction to Public Relations	
TCCN: COMM 2330		
MC 3367	Advertising	
TCCN: COMM 2327		
MC ELNA		
TCCN: COMM 2300		
MC ELNA		
TCCN: COMM 2301		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
MC 3306	Writing for the Electronic Media	
TCCN: COMM 2339		
MC 3311	Video Production	
TCCN: COMM 1336		
MC 3321	News Writing and Reporting I	
TCCN: COMM 2315		
MC 3383	Editing and Managing Content	
TCCN: COMM 2305		
MC 4312	Photojournalism	
TCCN: COMM 1318		
MC ELNA		
TCCN: COMM 1319		
MC ELNA		
TCCN: COMM 1337		
MC ELNA		
TCCN: COMM 2328		
MC ELNA		
TCCN: COMM 2329		
MC ELNA		
TCCN: COMM 2332		
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3

MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in the following major courses:

Code	Title	Hours
MC 3343	Introduction to Public Relations	3
MC 3383	Editing and Managing Content	3
MC 4313	Writing for Public Relations	3
MC 4320	Public Relations Campaigns	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3343	3
Life & Physical Sciences Component Code 030	6
MC Elective	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
ENG Literature	3
Computer Science, Logic, Mathematics or science[1]	3
MC 3360	3
Select one from the following:	3
MC 3390	
MC 4315	
MC 4326	
MC 4313	3
Minor	9
MC Elective	3
Free Electives	3
	30

Senior	Hours
MC 4320	3
MC 4301	3
MC Advanced Elective	6
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	6
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316 .

Bachelor of Science (B.S.) Major in Public Relations and Mass Communication (Digital Media Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass

communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.

a. An overall GPA of at least a 2.5 on a 4.0 scale.
b. A grade of a "C" or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Advertising/Public Relations and be applied to the Bachelor of Science degree with a major in Public Relations and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 9 hours from the following:		9
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
MC 3343	Introduction to Public Relations	
TCCN: COMM 2330		
MC 3367	Advertising	
TCCN: COMM 2327		
MC ELNA		
TCCN: COMM 2300		
MC ELNA		
TCCN: COMM 2301		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
MC 3306	Writing for the Electronic Media	
TCCN: COMM 2339		
MC 3311	Video Production	
TCCN: COMM 1336		
MC 3321	News Writing and Reporting I	
TCCN: COMM 2315		
MC 3383	Editing and Managing Content	
TCCN: COMM 2305		
MC 4312	Photojournalism	
TCCN: COMM 1318		
MC ELNA		
TCCN: COMM 1319		
MC ELNA		
TCCN: COMM 1337		
MC ELNA		
TCCN: COMM 2328		
MC ELNA		
TCCN: COMM 2329		
MC ELNA		
TCCN: COMM 2332		
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in the following major courses:

Code	Title	Hours
MC 3343	Introduction to Public Relations	3
MC 3383	Editing and Managing Content	3
MC 4313	Writing for Public Relations	3
MC 4320	Public Relations Campaigns	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3

Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3343	3
Life & Physical Sciences Component Code 030	6
MC 4315	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
ENG Literature	3
Computer Science, Logic, Mathematics or science[1]	3
MC 3360	3
Select one from the following:	3
MC 3390	
MC 4315	
MC 4326	
MC 4313	3
Minor	9
Select six hours from the following:	6
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100P	
MC 3390	
MC 4323	
MC 4324	
MC 4325	
MC 4326	
MC 4327	
MC 4336B	
MC 4336E	
MC 4336F	
MC 4336G	
MC 4382Y	
	30

Senior	Hours
MC 4320	3
MC 4301	3
MC Elective	3
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	9
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316 .

Bachelor of Science (B.S.) Major in Public Relations and Mass Communication (Multimedia Production Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a “C” or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Advertising/Public Relations and be applied to the Bachelor of Science degree with a major in Public Relations and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 9 hours from the following:		9
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
MC 3343	Introduction to Public Relations	
TCCN: COMM 2330		
MC 3367	Advertising	
TCCN: COMM 2327		
MC ELNA		
TCCN: COMM 2300		
MC ELNA		
TCCN: COMM 2301		
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
TCCN: COMM 2311		
MC 3306	Writing for the Electronic Media	
TCCN: COMM 2339		
MC 3311	Video Production	
TCCN: COMM 1336		
MC 3321	News Writing and Reporting I	
TCCN: COMM 2315		
MC 3383	Editing and Managing Content	
TCCN: COMM 2305		
MC 4312	Photojournalism	
TCCN: COMM 1318		
MC ELNA		
TCCN: COMM 1319		
MC ELNA		
TCCN: COMM 1337		
MC ELNA		
TCCN: COMM 2328		
MC ELNA		
TCCN: COMM 2329		
MC ELNA		
TCCN: COMM 2332		
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in the following major courses:

Code	Title	Hours
MC 3343	Introduction to Public Relations	3
MC 3383	Editing and Managing Content	3
MC 4313	Writing for Public Relations	3
MC 4320	Public Relations Campaigns	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3343	3
Life & Physical Sciences Component Code 030	6

MC 3319	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	**Hours**
ENG Literature	3
Computer Science, Logic, Mathematics or Science[1]	3
MC 3360	3
Select one of the following:	3
MC 3390	
MC 4315	
MC 4326	
MC 4313	3
Minor	9
Select two of the following:	6
MC 3311	
MC 3312	
MC 3390	
MC 4312	
MC 4323	
	30

Senior	**Hours**
MC 4320	3
MC 4301	3
MC Elective	3
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	9
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316 .

Bachelor of Science (B.S.) Major in Public Relations and Mass Communication (Sports Media Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. Any student admitted to Texas State may declare and be admitted to the program under a temporary status called pre-mass communication. Once a student has accumulated at least thirty credit hours and meets the requirements outlined below, the student will be admitted to the school in full-major status. Students who fail to meet these requirements will not be admitted to the major.
   a. An overall GPA of at least a 2.5 on a 4.0 scale.
   b. A grade of a "C" or higher in MC 1100B and MC 1301.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All students seeking B.S. or B.A. degrees within the School of Journalism and Mass Communication must complete ENG 1310, ENG 1320 and COMM 1310 or their equivalent courses to meet degree requirements. Most students will meet these requirements through their general education core curriculum.
3. In addition to the general education core curriculum, this major requires three additional hours of English literature, three hours of math/science/logic/computer science courses and a minor.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. For transfer students, 12 semester credit hours (7 additional hour may also be acceptable at Texas State) may be transferred from a Texas public institution of higher education for the Communication Field of Study Sub-Area Advertising/Public Relations and be applied to the Bachelor of Science degree with a major in Public Relations and Mass Communication at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
Competency Area 1 choose 9 hours from the following:		9
MC 1301	Introduction to Mass Communication	
TCCN: COMM 1307		
MC 3343	Introduction to Public Relations	

	TCCN: COMM 2330	
MC 3367	Advertising	
	TCCN: COMM 2327	
	MC ELNA	
	TCCN: COMM 2300	
	MC ELNA	
	TCCN: COMM 2301	
Competency Area 2 choose 3 hours from the following:		3
MC 1313	Media Writing	
	TCCN: COMM 2311	
MC 3306	Writing for the Electronic Media	
	TCCN: COMM 2339	
MC 3311	Video Production	
	TCCN: COMM 1336	
MC 3321	News Writing and Reporting I	
	TCCN: COMM 2315	
MC 3383	Editing and Managing Content	
	TCCN: COMM 2305	
MC 4312	Photojournalism	
	TCCN: COMM 1318	
	MC ELNA	
	TCCN: COMM 1319	
	MC ELNA	
	TCCN: COMM 1337	
	MC ELNA	
	TCCN: COMM 2328	
	MC ELNA	
	TCCN: COMM 2329	
	MC ELNA	
	TCCN: COMM 2332	
Total Hours		12

6. All students in this degree program must earn a "C" or higher in each of four core courses in Mass Communication, which include:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 4301	Media Law and Ethics	3
MC 4381	Fundamentals of Digital and Online Media	3

7. All students in this degree program must earn a "C" or higher in all prerequisite courses and in the following major courses:

Code	Title	Hours
MC 3343	Introduction to Public Relations	3
MC 3383	Editing and Managing Content	3
MC 4313	Writing for Public Relations	3
MC 4320	Public Relations Campaigns	3

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020[1]	3
US 1100	1
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
MC 1301	3
MC 1100B	1
MC 4381	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080	3
	32

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MC 1313	3
MC 3343	3
Life & Physical Sciences Component Code 030	6
MC 4329	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
SOCI 3307	3
	30

Junior	Hours
ENG Literature	3
Computer Science, Logic, Mathematics or Science[1]	3
MC 3360	3
Select one of the following:	3
MC 3390	
MC 4315	
MC 4326	
MC 4313	3
Minor	9
Select six hours from the following:	6
MC 4312	
MC 4324	
MC 4325	
MC 4330	
MC 4331	

MC 4357	
	30
Senior	**Hours**
MC 4320	3
MC 4301	3
MC Elective	3
Select one of the following:	1
MC 1100A	
MC 1100C	
MC 1100D	
MC 1100E	
MC 1100F	
MC 1100G	
MC 1100H	
MC 1100I	
MC 1100J	
MC 1100K	
MC 1100L	
MC 1100M	
MC 1100O	
MC 1100P	
MC 2111	
MC 4130	
Minor	9
Free Electives	9
	28

Total Hours: 120

[1] Any mathematics course from the general education core curriculum Mathematics Component may be chosen except MATH 1316.

Minor in Journalism

The minor in Journalism requires 18 semester credit hours.

Code	Title	Hours
Required Courses		
MC 1301	Introduction to Mass Communication [1]	3
MC 1313	Media Writing	3
MC 3383	Editing and Managing Content	3
MC 3390	Media Design	3
MC 4301	Media Law and Ethics	3
Choose 3 hours from the following:		3
MC 3321	News Writing and Reporting I	
MC 4312	Photojournalism	
MC 4356A	Science Writing and Reporting	
MC 4356B	Editorials, Columns, and Reviews	
MC 4356C	Community Affairs	
MC 4356F	Feature Writing	
MC 4356G	Magazine Writing	
MC 4323	Multimedia Journalism	
MC 4324	Visual Storytelling	
Passing score on the PUG test or a letter grade of "C" or higher in MC 1100B [1]		
Total Hours		18

[1] A letter grade of C or higher in MC 1100B or a passing score on the PUG test must be earned to enroll in any course beyond MC 1301.

Minor in Mass Communication

The minor in Mass Communication requires 18 semester credit hours.

Code	Title	Hours
Required Courses		
MC 3343	Introduction to Public Relations	3
MC 3355	Mass Media and Society	3
MC 3367	Advertising	3
MC 4302	History of Mass Media	3
Choose 6 hours from the following:		6
MC 1301	Introduction to Mass Communication	
MC 3375	Programming in Electronic Media	
MC 4303	International Advertising	
MC 4308	Women and Minorities in the Media	
MC 4309	Visual Literacy: Film	
MC 4310	International Communication	
MC 4318	Media Ethics	
MC 4319	Latinas/Latinos and the Media	
MC 4322	Health Communication Campaigns	
MC 4381	Fundamentals of Digital and Online Media	
MC 4382L	Feature Writing and Freelancing	
MC 4382N		
MC 4382O	Travel Journalism	
MC 4382Q	Media in Asia and Southeast Asia	
MC 4382R	Media Violence	
Total Hours		18

Second Teaching Field in Journalism (Grades 8-12)

For students who are seeking teacher certification in their major and would like a second teaching field in Journalism, the requirements are:

Code	Title	Hours
MC 1301	Introduction to Mass Communication	3
MC 1313	Media Writing	3
MC 3383	Editing and Managing Content	3
MC 3390	Media Design	3
MC 4301	Media Law and Ethics	3
Select one of the following:		3
MC 3321	News Writing and Reporting I	
MC 4312	Photojournalism	
MC 4356A	Science Writing and Reporting	
MC 4356B	Editorials, Columns, and Reviews	
MC 4356C	Community Affairs	
MC 4356F	Feature Writing	

MC 4356G	Magazine Writing	
MC 4323	Multimedia Journalism	3
MC 4324	Visual Storytelling	3
Total Hours		24

A letter grade of C or higher in MC 1100B or a passing score on the PUG test must be earned to enroll in any course beyond MC 1301.

All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

School of Music

Music Building Room 101
Telephone: 512.245.2651 Fax: 512.245.8181
Email: music@txstate.edu
www.music.txstate.edu (http://www.music.txstate.edu)

Mission Statement

The School of Music is committed to excellence in music teaching and learning for all students at Texas State. As a unit within Texas State, we provide a liberal education with emphasis on cultural values by offering special course work in the arts and humanities.

The School of Music offers thorough preparation for careers in music, music education, music performance and sound recording technology. In addition, it provides opportunities for all university students to develop and/or enhance musical skills and cultural understanding. The School of Music also serves as an outstanding cultural resource for the university and San Marcos communities.

Music graduates with teacher certification work as band, choir, and orchestra directors, or general elementary music teachers. Music Performance graduates perform, establish their own teaching studios, attend graduate school, or use their music degree as a foundation for their careers. Sound Recording Technology graduates work as sound engineers, producers, technicians, and post-production editors in the recording and entertainment industries. Bachelor of Arts graduates work in arts administration, musicology, librarianship, and other music-related fields such as law, management, and sales. The choices of profession for a student completing a Bachelor of Arts or a Bachelor of Music are numerous.

Somos Músicos -- "We are Musicians" -- expresses with simplicity our solidarity of purpose and cooperation within an extraordinary community of musical artists, scholars, and composers: the students and faculty of the School of Music. Our unified mission is threefold: to make music together, to develop ourselves and our art, and to contribute value to our society.

Courses Offered

Courses are offered in individual and ensemble performance, music education, history, literature, theory, composition, jazz, Latin, and sound recording. All university students, both music majors and non-music majors, are encouraged to participate in performing ensembles. However, due to the limited availability of private applied music instruction, as well as certain other music classes, the School of Music may use the following criteria for determining students' access to these courses:

1. student's overall musical talent, musical achievement, and performance/teaching potential as determined by audition; and/or
2. studio/class space availability,
3. academic standing as represented by GPA, and
4. other appropriate indicators.

School Policies

Those planning careers in music must have a high level of musical skill, music reading ability, and understanding. To help evaluate musical skills for counseling and placement purposes, the School of Music requires all music majors to pass several evaluations and academic requirements.

Credit by examination is available for Music Theory I - IV and Piano Techniques I - IV only before entering the course sequence at Texas State. Students testing out of one or more of the courses above or the entire proficiency exam(s) must remit $10 to the University's Testing Center (set fee whether receiving credit for one or more courses) before a CR grade will be processed by the Registrar's Office for the course(s). See an academic advisor and the School of Music's website for details.

A student who leaves music major status in good standing can be readmitted as a Music major without re-auditioning if returning within twelve (12) months. A music student who fails to complete or pass (note: failing grades are F and U) applied lessons or has not been a Music major at Texas State for more than twelve (12) months (i.e. not enrolling or two W grades in a row) will automatically be moved to a pre-music status by their academic advisor and must re-apply and re-audition to be accepted back as a music major.

Music Theory Proficiency

Students seeking teacher certification must pass the theory proficiency examination no later than the semester before student teaching. All other music majors must pass the theory proficiency examination before applying for graduation. Theory proficiency requirements are available on the School of Music's website. Note: No Music Theory Proficiency exam is required for BS students.

Piano Proficiency

All BA, BM – Music Studies, instrumental concentration students seeking teacher certification, and BM – Performance, jazz concentration students must pass the level II piano proficiency exam by the end of their fourth (4th) long semester. BM – Performance, keyboard concentration students must pass the piano majors piano proficiency exam by the end of their fourth (4^{th}) long semester.

BM – Music Studies, choral concentration students must complete the level IV piano proficiency exam no later than the semester before student teaching. All other BM – Performance majors must complete the level IV piano proficiency exam before applying for graduation. Piano proficiency requirements are available on the School of Music's website. Note: No Piano Proficiency exam is required for BS students.

Upper Level Competency Review

The upper level competency review (ULCR) helps music majors determine if they are pursuing the most suitable career/degree. Upon completion of four long semesters as a music major, the student's total record is reviewed by the music faculty. This review is completed before the student enrolls for 3000-level courses in the degree area. The ULCR is offered at the end of each long semester. Specific information and requirements are available in the School of Music Student Handbook and on the School of Music's website.

Transfer students with four or more semesters of music study complete the exam at the end of the first long semester of study at Texas State.

Recital Attendance Requirements

Each semester, various recitals and concerts are presented by students, faculty, and visiting artists. All undergraduate music majors, with the exception of Bachelor of Science students, are required to attend a significant number of these events each semester, through enrollment in Departmental Recital. In addition, applied music instructors may require attendance at all recitals in the student's individual performance area.

Ensemble Requirements

All music majors must participate in the appropriate major ensemble each semester until all major ensemble requirements for the degree have been completed. Only one major and one secondary ensemble will be counted toward the student's degree plan per semester. Continued participation in major ensembles after degree requirements are completed is expected.

Senior Recital

A senior recital is required for all students enrolled in a Bachelor of Music degree program. Students seeking teacher certification must present the recital no later than the semester before student teaching. Specific requirements for the senior recital are described in the School of Music Student Handbook and on the School of Music's website.

Grade Requirements

Students majoring or minoring in the School of Music must achieve a grade of "C" or higher (including a CR in Departmental Recital) on all required music (MU, MUSE and MUSP) courses.

Student Teaching Requirements

Before being allowed to enroll for student teaching, music students must have:

1. completed all major coursework for the degree with a "C" or higher;
2. presented a senior recital achieving a grade of "C" or higher;
3. passed the Upper Level Competency Review;
4. passed the piano and theory proficiency examinations; and
5. fulfilled the requirements for teacher certification as determined by the College of Education.

Music Fees/Costs Not Included in Tuition/ Fees

This is a partial listing.

- Instrument rental fee – $30 per semester (inc. all percussionists and students participating in percussion ensembles.)
- Athletic Band accessories approximately $50-$100 per semester depending on the required number of accessories and cleanings (inc. shoes, gloves, shirt, shorts, Colorguard uniforms, cleanings, etc.). All participants must have the required accessories based on the information outlined in the Marching Band Handbook and syllabi.
- Choir dresses $63 one-time charge (all women participating in a choral ensemble, with the exception of VocaLibre must purchase a choir dress through the School of Music)
- Tuxedos up to $100 one-time charge (all men participating in a choral ensemble, with the exception of VocaLibre or a concert instrumental ensemble must rent/purchase a tuxedo; locations provided by ensemble directors)

NOTE: Due to copyright laws, students enrolled in private lessons are responsible for purchasing individual solos/etudes required for performance. In addition, students enrolled in voice lessons or instrumentalists preparing for juries/recital performances are responsible for the cost of providing their own accompanist for lessons, rehearsals, and recitals. See your applied lesson instructor for accompanist names and rates.

Facilities

As the music program has grown into a large, comprehensive School of Music, so too have the facilities expanded to keep pace with its diversity of ensembles, programs, and students.

Music Buildings

At 101 Pleasant Street, the Music Building includes six classrooms, three large rehearsal rooms, and three smaller rehearsal rooms. The facility also contains a 149-seat Recital Hall, the Schneider Music Library, 4-practice rooms, an electronic piano laboratory, a multi-station music computer lab, instrument storage rooms and an administrative office suite. Some 13 faculty offices and offices and 49 larger teaching studios are also in the main building.

Performing Arts Center

The Performing Arts Center on Moon Street includes an acoustically superb 312-seat recital hall. Equipped with two Steinway D concert grand pianos and a beautiful custom-built Flemish-replica harpsichord, the hall host performances by international guest artists, music faculty, and some student ensembles. It is a learning laboratory for student degree recitals. Another venue, the Patti Strickel Harrison Theater, provides a state-of-the art theater with orchestra pit for Texas State Opera Theatre productions.

Evans Auditorium

Evans is the largest performance hall on campus with a seating capacity of 933. The university's wind bands, orchestra, and University Arts events utilize Evans as a performance site. Evans also contains two Steinway concert grand pianos.

Fire Station Studio

The Fire Station Studio is located near campus on Guadalupe Street and is available for both Texas State and non-Texas State persons to rent for commercial purposes. The studio houses the School of Music's sound recording technology program and contains on large recording technology program and contains one large recording studio, two smaller studios, and one mixing room.

Colorado Building

Located on Pleasant Street, Colorado houses the Texas State Balinese Gamelan and 16 additional practice rooms with digital pianos

Lampasas Hall

Offering music an additional 5 offices and 3 teaching studios, Lampasas is the second oldest building on campus and was beautifully renovated in 2012.

Marching Band Field/Storage

Located across from Strahan Coliseum, the Bobcat Marching Band field includes a standard 100+ yard field, multi-level director's tower, and newly completed equipment storage facility.

Admissions Requirements

1. All students seeking to major in music must be admitted to Texas State University. For more information on Texas State, visit www.txstate.edu (http://www.txstate.edu). Undergraduate students should visit the Office of Undergraduate Admissions at www.admissions.txstate.edu (http://www.admissions.txstate.edu) to learn about undergraduate level admission.
2. Students wanting to enter the music program as a music major (B.A., B.M., B.S.) must submit an online application and audition on their principal instrument or voice the semester before their desired entrance. For audition guidelines and requirements, prospective undergraduate students should visit: http://www.music.txstate.edu/prospectivestudents/BecomingaMusicMajor.html
3. Students interested in the Sound Recording Technology major must complete an additional application, submit materials for pre-screening (see www.txstate.edu/music/srt (http://www.txstate.edu/music/srt) for details), and interview.
4. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236) once all course requirements and successful completion of the School of Music's Upper Level Competency Review have been met in order to officially complete the Bachelor of Music major in Music Studies degree program.

NOTE: Admission to the School of Music is contingent upon admission to Texas State, successful completion of the audition process, and available space in each studio. Moreover, a successful audition does not automatically ensure acceptance to the School of Music. Transfer students' transcripts will be evaluated by an academic advisor prior to an acceptance decision to ensure that acceptance and successful degree plan completion are possible here at Texas State. Prospective music majors will not be permitted to enroll in applied music and other music major classes until they have been accepted based on their audition and met with an academic advisor. Auditions are held periodically throughout the year for enrollment the following academic year. Those prospective music students unable to audition in person due to geographic distance from campus may submit an audio or video recording representative of their performing abilities that meet the audition guidelines for their instrument or voice. The deadline to submit a recorded audition is March 1 (for Fall admission) or November 1 (for Spring admission). Audition requirements are available on the School of Music website.

Bachelor of Arts (B.A.)

- Major in Music (p. 351)

Bachelor of Music (B.M.)

- Major in Music Studies (Choral Concentration with Teacher Certification in Music, Early Childhood Through Grade 12) (p. 353)
- Major in Music Studies (Instrumental Concentration with Teacher Certification in Music, Early Childhood Through Grade 12) (p. 354)
- Major in Performance (Composition Concentration) (p. 356)
- Major in Performance (Guitar Concentration) (p. 358)
- Major in Performance (Instrumental Concentration) (p. 360)
- Major in Performance (Jazz Concentration) (p. 361)
- Major in Performance (Keyboard Concentration) (p. 363)
- Major in Performance (Vocal Concentration) (p. 365)

Bachelor of Science (B.S.)

- Major in Sound Recording Technology (p. 367)

Minors

- Jazz (p. 368)
- Mariachi (p. 368)
- Music
- Music Composition
- Opera

Subjects in this school include: MU (p. 332), MUSE (p. 341), MUSP (p. 343)

Courses in Music (MU)

MU 1000. Freshman Departmental Recital.
Attendance and observation of weekly recitals. Concurrent enrollment in freshman-level applied lessons and the appropriate major ensemble are required. Corequisites: MUSP 1120 or MUSP 1130 or MUSP 1140 or MUSP 1150 or MUSP 1160 or MUSP 1170 or MUSP 1220 or MUSP 1230 or MUSP 1240 or MUSP 1250 or MUSP 1260 or MUSP 1270 or MUSP 1280.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MU 1112. Basic Musicianship.
A study of music fundamentals: reading rhythms, pitches in bass and treble clefs, spelling, notating, and identifying key signatures, intervals and chords. Prerequisite: Music major status.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 1115. Aural Skills I.
This course will cover sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 1315-Music Theory I. A passing score on the Theory Entrance Exam, or MU 1112-Basic Musicianship with a grade of "C" or higher is required prior to enrollment. Corequisite: MU 1315.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1116

MU 1116. Aural Skills II.
This course covers sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 1316. Prerequisite: MU 1115 and MU 1315 with a grade of “C” or higher. Corequisite: MU 1316.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1117

MU 1150. Introduction to Music Technology.
Introduction to current computer applications in music. Including MIDI and sequencing, notation, internet communication, and digital audio.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 1180. Recording Practicum I.
Independent study in sound recording. Students develop aural and practical skills necessary to produce high quality recordings. Full major status in SRT is required.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 1182. Recording Practicum II.
Development of aural skills associated with audio production and recording. This course is a continuation of MU 1180, Recording Practicum I. Full major status in SRT is required. Prerequisite: MU 1180 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 1210. Aural Skills I.
Sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 1211. Corequisite: MU 1211 with a grade of "C" or better.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1216

MU 1211. Music Theory I.
The study of species counterpoint in two voices. The analysis and model composition of diatonic music, with a focus on voice-leading principles that connect tonic-function and dominant-function harmonies. Corequisite: MU 1210 with a grade of "C" or better.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1211

MU 1212. Aural Skills II.
Sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 1213. Prerequisite: MU 1210 and MU 1211, all with a grade of “C” or better. Corequisite: MU 1213.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1217

MU 1213. Music Theory II.
The analysis and model composition of diatonic music, including voice-leading with tonic, pre-dominant, and dominant-function triads and 7th-chords. Topics include phrase structures, small forms, and an introduction to applied chords. Prerequisite: MU 1210 and MU 1211, all with a grade of "C" or better. Corequisite: MU 1212.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1212

MU 1312. Essential Musicianship.
Detailed instruction in fundamentals of music theory, including but not limited to notation, meters, scales, key signatures, intervals and chords. This course is designed primarily for non-Music majors and Music minors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1301

MU 1315. Music Theory I.
In this course, students study basic counterpoint and analysis of diatonic music. Students learn four-part voice-leading principles via tonic-function and dominant-function harmonies. Students must pass the Theory Entrance Exam to enroll in this course. Corequisite: MU 1115.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1311

MU 1316. Music Theory II.
This course covers the analysis and model composition of diatonic music, including voice-leading with tonic, pre-dominant, and dominant-function triads and 7th-chords. Topics include phrase structures, small forms, and an introduction to applied chords. Prerequisite: MU 1115 and MU 1315 with a grade of "C" or higher. Corequisite: MU 1116.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1312

MU 2000. Sophomore Departmental Recital.
Attendance and observation of weekly recitals. Concurrent enrollment in sophomore-level applied lessons and appropriate major ensemble is required. Corequisites: MUSP 2120 or MUSP 2130 or MUSP 2140 or MUSP 2150 or MUSP 2160 or MUSP 2170 or MUSP 2220 or MUSP 2230 or MUSP 2240 or MUSP 2250 or MUSP 2260 or MUSP 2270 or MUSP 2280.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MU 2104. Writing About Music.
This course focuses on writing and research skills in music, including the use and documentation of sources. In addition to written exercises, assignments include studying professional writing samples about music, such as concert reviews, program notes, and research essays. Full major status in Performance required. (WI).
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MU 2115. Aural Skills III.
This course covers sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 2315. Prerequisite: MU 1116 and MU 1316 with a grade of "C" or higher. Corequisite: MU 2315.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2116

MU 2116. Aural Skills IV.
This course covers sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 2316. Prerequisite: MU 2115 and MU 2315 with a grade of "C" or higher. Corequisite: MU 2316.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2117

MU 2123. Foundations of Music Education.
This course introduces principles of aesthetics and philosophy, as well as their practical application in music education.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 2153. Problems in Music.
This course is conducted as an independent study on one or more music topics not covered in another course and is open to students on an individual basis by approval of the Director of the School of Music. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 2180. Recording Practicum III.
This course allows students to continue to develop aural and practical skills in sound recording to produce high-quality recordings. Full major status in SRT required. Prerequisites: MU 1182 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 2182. Recording Practicum IV.
Students will develop the aural skills associated with audio production and recording. This is a continuation of MU 2180 Recording Practicum III. Full major status in SRT required. Prerequisite: MU 2180 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 2253. Problems in Music.
The course is conducted as an independent study on one or more music topics and is open to students on an individual basis by approval of the Director of the School of Music. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 2260. Aural Skills III.
Sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 2261. Prerequisites: MU 1212 and MU 1213 with a grade of "C" or better. Corequisites: MU 2261.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2216

MU 2261. Music Theory III.
The analysis and model composition of chromatic music, with a focus on voice-leading principles. Topics include modulations and larger forms. Prerequisite: MU 1212 and MU 1213 with a grade of "C" or better. Corequisite: MU 2260.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2211

MU 2262. Aural Skills IV.
Sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 2263. Prerequisite: MU 2260 and MU 2261 with a grade of "C" or better. Corequisite: MU 2263.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2217

MU 2263. Music Theory IV.
The analysis and model composition of music from the 20th- and 21st-centuries. Topics include, but are not limited to, impressionism, polytonality, parallelism, quartal/quintal harmonies, secundal harmonies, polyrhythms, octatonicism, minimalism, modes, serialism, and set theory. Prerequisite: MU 2260 and MU 2261 with a grade of "C" or better. Corequisite: MU 2262.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2212

MU 2303. Survey of Music Literature.
An introduction to western European art music from the Middle Ages into the 21st-century through listening examples, readings, and class lectures. The course covers representative works by major composers and introduces conventional musical forms/styles associated with various genres in each of the musical periods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: MUSI 1307

MU 2310. Guitar Class I.
An introductory course primarily for the non-music major. This course offers the opportunity to study tuning, hand positions, chords, accompaniment patterns, strumming and introductory music reading.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 2313. Introduction to Fine Arts.
An introductory course designed to give the student a fundamental understanding of the creation and appreciation of diverse modes of expression through the visual and performing arts. This course may not be repeated for credit by taking ART 2313, DAN 2313, or TH 2313.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050
Grade Mode: Standard Letter
TCCN: HUMA 1315

MU 2315. Music Theory III.
This course covers the analysis and model composition of chromatic music, with a focus on voice-leading principles. Topics include modulations and larger forms. Prerequisite: MU 1116 and MU 1316 with a grade of "C" or higher. Corequisite: MU 2115.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2311

MU 2316. Music Theory IV.
This course covers the analysis and model composition of music from the 20th- and 21st-centuries. Topics include, but are not limited to, impressionism, polytonality, parallelism, quartal/quintal harmonies, secundal harmonies, polyrhythms, octatonicism, minimalism, modes, serialism, and set theory. Prerequisite: MU 2115 and MU 2315 with a grade of "C" or higher. Corequisite: MU 2116.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2312

MU 2353. Problems in Music.
The course is conducted as an independent study on one or more music topics and is open to students on an individual basis by approval of the Director of the School of Music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 3000. Junior Departmental Recital.
This course requires attendance and observation of weekly recitals. Concurrent enrollment in junior-level applied lessons and the appropriate major ensemble are required. Corequisites: MUSP 3170; MUSP 3220; MUSP 3230; MUSP 3240; MUSP 3250; MUSP 3260; MUSP 3270; MUSP 3280.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MU 3050. Junior Recital.
Preparation and performance of the junior recital for music performance majors. Corequisites: Concurrent enrollment with applied lessons and major ensemble required for all Music Performance majors. Pre-requisite or Corequisite: MUSP 3170 or MUSP 3220 or MUSP 3230 or MUSP 3250 or MUSP 3260 or MUSP 3270 or MUSP 3280.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 3141. Fundamentals of Diction in Singing I.
This course, the first of a two semester Diction sequence, is designed to acquaint the student singer with the International Phonetic Alphabet (IPA), correct pronunciation of Italian and German consonants and vowels, and the diction rules of these languages. This course does not take the place of a language requirement. Corequisite: MUSP 1120 or MUSP 1220 or MUSP 2120 or MUSP 2220 or MUSP 3120 or MUSP 3220 or MUSP 4220; with a grade of "C" or better.
1 Credit Hour. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3142. Fundamentals of Diction in Singing II.
This course, the second of a two-semester Diction sequence, is designed to acquaint the student singer with the International Phonetic Alphabet (IPA), correct pronunciation of French and English consonants and vowels, and the diction rules of these languages. This course does not take the place of a language requirement. Prerequisite: MU 3141 with a grade of "C" or better. Corequisite: MUSP 1120 or MUSP 1220 or MUSP 2120 or MUSP 2220 or MUSP 3120 or MUSP 3220 or MUSP 4220.
1 Credit Hour. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3180. Recording Practicum V.
This course allows students to continue to develop aural and practical skills necessary to produce high quality recordings. Full major status in SRT required. Prerequisites: MU 2182 with a grade of "C" or better. Corequisite: MU 3383.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3182. Recording Practicum VI.
Students will develop the aural skills associated with audio production and recording. This is a continuation of MU 3180, Recording Practicum V. Full major status in SRT required. Prerequisite: MU 3180 with a grade of "C" or better. Corequisite: MU 3384.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3207. Instrumental Conducting I.
This course covers instrumental conducting fundamentals such as beat pattern, baton techniques, score reading, cuing, subdivisions, fermatas, and releases. The class will function as an ensemble and each student will conduct assignments approximately once each week. Requires successful completion of the Upper Level Competency Review in Music Studies.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3208. Choral Conducting I.
This course covers choral conducting fundamentals such as beat pattern, baton technique, score reading, cuing, subdivisions, fermatas, and releases. The class will function as an ensemble and each student will conduct assignments approximately once each week. Requires successful completion of the Upper Level Competency Review to enroll.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3217. Instrumental Conducting II.
An application of the principles of conducting to instrumental music, including score reading and problems of interpretation. Some choral conducting experience will be included. Prerequisite: MU 3207 with a grade of "C" or better.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 3227. Choral Conducting II.
An application of the principles of conducting choral music, including score reading and problems in interpretation. Some instrumental conducting experience will be included. Prerequisite: MU 3208 with a grade of "C" or better.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3233. Jazz Theory and Improvisation I.
This course is a study of the musical theory basics used in jazz improvisation and composition, focusing on best practices in its practical application and pedagogy. In addition to a theoretical and applied approach, students will also examine historical and cultural considerations, as they relate to performance. BM majors only. Prerequisites: MU 1316 with a grade of "C" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3234. Jazz Theory and Improvisation II.
This course is a continuation of MU 3233, with particular attention to developing skills in the use of scales and modes (including major and minor pentatonic scales), modal playing, and jazz nomenclature. BM majors only. Prerequisites: MU 3233 and MUSE 3127, all with a grade of "C" or better or permission of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3241. A Survey of Instrumental Performance Literature.
This course is an overview of repertoire for wind bands/orchestras from all musical periods/styles, including music for beginning bands/orchestras to works for collegiate/professional ensembles. Activities include: listening, score study, instrument transpositions, programming, contest preparation and student-led wind band/orchestra reading sessions. Upper-level status is required. Prerequisite: ART 2313, DAN 2313, MU 2313, or TH 2313; with a grade of "C" or better.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3242. Survey of Choral Performance Literature.
The course covers detailed consideration of literature of all periods appropriate for choral ensembles and includes discussions on repertoire selection/performance problems peculiar to all ensemble sizes. Assignments give students opportunity to develop their own approach to vocal challenges that face high school and junior high singers, including arranging choral music. Prerequisites: MU 3208 and MU 3254, all with a grade of "C" or better. Corequisite: MU 3227.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3253. Band/Orchestra Methods.
This course is designed to introduce fundamental principles of effective instrumental music instruction, rehearsal techniques, and administration of secondary school music programs. This course will provide opportunities for students to conduct and rehearse instrumental ensembles, present teaching demonstrations, and conduct independent scholarship projects related to teaching. Prerequisites: MU 2316; MU 3207; MUSP 3145 or 3147; MUSP 3155 or 3157; All must be completed with a grade of "C" or better.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3254. Choral Methods.
This course provides practical experience in developing, teaching and maintaining a successful choral program at the secondary level. Assignments are designed to give students the opportunity to develop approaches to the basic challenges that face high school/middle school choral directors. Students will share ideas and evaluate each other's work. Prerequisite: MU 2316 with a grade of "C" or better. Corequisite: MU 3208.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3263. Marching Band Techniques.
An examination of the techniques required to program, design, and instruct a successful marching band show. The class will discuss different types of design concepts currently being employed throughout the country, but also to construct and chart those designs.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3269. Current Trends in Music II.
A study of melodic and harmonic techniques for keyboard percussion instruments, sight-reading techniques using Sol-Fa, and a survey of the folk music of Europe and the Americas. Prerequisite: MU 3340 with a grade of "C" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3308. History of Rock Music.
A survey of the evolution of rock styles, contributions of important performers, and musical techniques involved in the creation and performance of rock music. The course focuses on the first three decades of rock history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3310. Guitar Class II.
Primarily for the non-music major, the course includes the opportunity for development of more advanced techniques in accompaniment, music reading and solo guitar techniques. Prerequisite: MU 2310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3315. History and Analysis of Music I.
This course is a comprehensive musicianship approach to the study of music from ancient times to the 1680s involving the discussion of history, aesthetics, performance practice, and conceptual approaches specific to distinctive periods and regions. (MULT) (WI) Prerequisites: MU 1316 with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

MU 3316. History and Analysis of Music II.
This course is a comprehensive musicianship approach to the study of music from the 1680s to the late 19th-century involving the discussion of history, aesthetics, form, orchestration, performance practice, and conceptual approaches to distinctive musical works. (MC) (WI) Prerequisites: MU 3315 with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

MU 3317. History and Analysis of Music III.
This course is a comprehensive musicianship approach to the study of music from the turn of the twentieth century to the present involving the discussion of history, aesthetics, form, orchestration, performance practice, and conceptual approaches specific to distinctive musical works. Prerequisites: MU 3316 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MU 3318. World Musics.
This course equips students with practical and intellectual tools to enhance their enjoyment and understanding of popular, folk and classical music traditions around the globe, (with the exclusion of what is commonly referred to as Western Art Music) and explores how these traditions relate to history, social issues, politics and identity. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

MU 3340. Current Trends in Music I.
A study of the components of music and their concepts. An emphasis on singing and rhythmic performance skills, and aesthetic awareness through listening. Prerequisite: MU 2123 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 3370. Music for the Elementary Classroom.
Introduction to basic music skills for the elementary classroom teacher. Include practical application and development of strategies and instructional techniques necessary for effective integration of music experiences in the elementary classroom curriculum. For interdisciplinary studies majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3375. History of Jazz.
Jazz originated in America and has been of great importance in the development of the 20th Century music. Topics will include the structure and history of jazz, the contributions of jazz to contemporary music, and the chronological development of jazz experienced through recordings and live performances. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MU 3380A. Women in Jazz.
Overview of jazz history from its New Orleans origins to the present focusing on the contributions of women. Major style periods researched include early jazz/swing, bebop, cool, hard bop, free jazz, jazz fusion, and contemporary trends. Emphasis will be placed on the development of critical listening skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 3380B. Music and Film.
This course is an exploration of historical traditions and functions of Hollywood film music. Students will apply music theory and dictation skills to analyze scores and explain how film music's characteristics and associated cultural connotations combine with image to create new meaning. Prerequisite: MU 2116 and MU 2316, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 3380C. Rock Harmony.
Theoretical analysis of popular and rock music incorporating extensive ear training components such as recognition of chords and progressions. Further analysis of the individual stylistic details in rock songs as well as comparison to traditional tonal harmony and form. Pre-requisite: MU 1312 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 3380D. History of Blues.
This course explores the role of the blues in American popular music, tracing the history of the genre from its origins to its influence on rock and other related styles, surveying important recording labels and related figures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 3380E. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom. Prerequisite: MU 3340; with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 3381. Recording Techniques I.
Introduction to audio recording techniques. Topics include acoustics, electronics, microphones, microphone techniques, loudspeakers, and operating principles of common recording equipment. Full major in SRT required. Prerequisite: MU 1182 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3382. Recording Techniques II.
A continuation of MU 3381. Topics include: operating principles of common recording equipment, fundamentals of analog and digital recording, signal flow, equalization, and sound effects processors. Full major in SRT required. Prerequisite: MU 3381 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3383. Recording Techniques III.
Principles and practices of microphone and mixing techniques. Full major in SRT required. Prerequisite: MU 3382 with a grade of "C" or better. Corequisite: MU 3180.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MU 3384. Recording Techniques IV.
Audio tape and disc recording and their applications in a variety of settings and genres. Full major in SRT required. Prerequisite: MU 3383 with a grade of "C" or better. Corequisite: MU 3182.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MU 4000. Senior Departmental Recital.
This course requires attendance and observation of weekly recitals. Concurrent enrollment in senior-level applied lessons and the appropriate major ensemble may be required.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MU 4050. Senior Recital.
Preparation and performance of the senior recital. Prerequisite or Corequisites: MUSP 4170 or MUSP 4220 or MUSP 4230 or MUSP 4240 or MUSP 4250 or MUSP 4260 or MUSP 4270, or MUSP 4280, with a grade of "C" or better.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4152. Problems in Music.
The course is conducted as an independent study on one or more topics in music and is open to students on an individual basis by approval of the Director of the School of Music.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times. Prerequisite: MU 1115 and MU 1315 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4180. Recording Practicum VII.
This course allows students to continue to develop the aural and practical skills necessary to produce high quality recordings. Full major in SRT required. Prerequisite: MU 3182 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4182. Recording Practicum VIII.
Students will develop the aural skills associated with audio production and recording. This is a continuation of MU 4180, Recording Practicum VII. Full major status in SRT required. Prerequisite: MU 4180 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4185. Senior Research Project.
A study of the student's senior recital literature resulting in a thorough research paper on the theoretical, historical, technical and stylistic aspects of the compositions. Concurrent enrollment in Senior Recital, senior level applied lessons, and appropriate major ensemble are required. Prerequisites or Corequisites: MU 4050 and MUSP 4170 or MUSP 4220 or MUSP 4230 or MUSP 4240 or MUSP 4250 or MUSP 4260 or MUSP 4270 or MUSP 4280.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 4234. Arranging Techniques for School Music Ensembles.
This class will introduce the many techniques involved in arranging for a wide variety of school music ensembles. Content will include an examination of the various instrument families, basic manuscript techniques (both manual and computer aided) and various orchestration techniques for voicing and scoring. Prerequisites: MU 2316; MU 3207; MUSP 3145 or 3147; MUSP 3155 or 3157; All with grades of "C" or better.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4244. Jazz Theory and Improvisation III.
This course is a continuation of MU 3234 and explores advanced concepts in jazz theory including symmetrical scales, chord substitutions, re-harmonization, pentatonic and exotic scale forms. Classes will focus on best practices in practical application and pedagogy and also examine historical and cultural considerations related to performance. Prerequisite: MU 3234 and MUSE 3127, all with a grade of "C" or better or permission of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4245. Jazz Composition and Arranging.
This course is an in-depth exploration of various commercial writing styles and instrumentations, focusing on Pop, Latin, and Jazz. Students will analyze the writing styles of prolific 20th-century Big Band Arrangers, and learn to write music for all types of commercial applications, and styles, for all levels of musicians. Prerequisite: MU 4244 with a grade of "C" or better or permission of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4253. Problems in Music.
The course is conducted as an independent study on one or more music topics and is open to students on an individual basis by approval of the Director of the School of Music.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4257. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and the philosophy of singing and teaching. It is designed for Bachelor of Music majors with a concentration in voice. Restricted to Music Studies or Music Performance majors, with a vocal concentration. Co-requisites: MUSP 3220 or MUSP 4220 with a grade of "C" or better, or by Instructor Permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4258. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; pre-colonial, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context. It includes research methodology and musicology related to Mexican music.
2 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 4259. Vocal Literature.
This course is a detailed consideration of vocal literature from approximately 1600 through the 20th century, focusing on different cultures of the world. It covers major composers and developments in the genre. Repertoire selection and performance problems peculiar to the various styles will be discussed. Prerequisites: Bachelor of Music with vocal concentration and MU 2142. Corequisite: MUSP 3220 or MUSP 4220 with a grade of "C" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4260. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas that covers a wide range of historical and contemporary pedagogy treatises. Students will explore exercixes and vocalises for general voice development, peer teaching, and techniques to address/correct specific vocal problems. Prerequisite: MU 4257 with a grade of "B" or better. Co-requisites: MUSP 3220 or MUSP 4220 with a grade of "D" or better, or by Instructor Permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4261. Guitar Pedagogy.
This course is an intensive study of instructional methodologies for guitar from beginning to advanced levels that includes both one-on-one teaching and group lessons. Corequisite: MUSP 3260 or MUSP 4260.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4262. Guitar Literature.
This course is an intensive study of music repertoire for guitar, including solo, chamber, and orchestral music, as well as relevant music history and literature, performance practice, and rehearsal techniques. Emphasis will be given to literature of the student's primary instrument. Corequisite: MUSP 3260 or MUSP 4260.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4263. Keyboard Pedagogy.
This course is an intensive study of instructional methodologies for keyboard from beginning to advanced levels that includes both one-on-one teaching and group lessons. Corequisite: MUSP 3230 or MUSP 4230.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4264. Keyboard Literature I.
This course is an intensive study of music repertoire for keyboard from 1700 to 1850, including solo, chamber, and orchestral music, as well as relevant music history and literature, performance practice, and rehearsal techniques. Emphasis will be given to literature of the student's primary instrument. Corequisite: MUSP 3230 or MUSP 4230.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4265. Keyboard Literature II.
This course is an intensive study of music repertoire for keyboard from 1850 - today, including solo, chamber, and orchestral music, as well as relevant music history and literature, performance practice, and rehearsal techniques. Emphasis will be given to literature of the student's primary instrument. Corequisite: MUSP 3230 or MUSP 4230.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4266. Woodwind Pedagogy.
This course is an intensive study of instructional methodologies for woodwinds from beginning to advanced levels that includes both one-on-one teaching and group lessons. Corequisite: MUSP 3240 or MUSP 4240.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4267. Woodwind Literature.
This course is an intensive study of music repertoire for woodwinds, including solo, chamber, and orchestral music, as well as relevant music history and literature, performance practice, and rehearsal techniques. Emphasis will be given to literature of the student's primary instrument. Corequisite: MUSP 3240 or MUSP 4240.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4268. Brass Pedagogy.
This course is an intensive study of instructional methodologies for brass from beginning to advanced levels that includes both one-on-one teaching and group lessons. Corequisite: MUSP 3250 or MUSP 4250.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4269. Brass Literature.
This course is an intensive study of music repertoire for brass, including solo, chamber, and orchestral music, as well as relevant music history and literature, performance practice, and rehearsal techniques. Emphasis will be given to literature of the student's primary instrument. Corequisite: MUSP 3250 or MUSP 4250.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4270. Percussion Pedagogy.
This course is an intensive study of instructional methodologies for percussion from beginning to advanced levels that includes both one-on-one teaching and group lessons. Corequisite: MUSP 3170 or MUSP 3270 or MUSP 4170 or MUSP 4270.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4271. Percussion Literature.
This course is an intensive study of music repertoire for percussion, including solo, chamber, and orchestral music, as well as relevant music history and literature, performance practice, and rehearsal techniques. Emphasis will be given to literature of the student's primary instrument. Corequisite: MUSP 3170 or MUSP 3270 or MUSP 4170 or MUSP 4270.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4272. String Pedagogy.
This course is an intensive study of instructional methodologies for strings from beginning to advanced levels that includes both one-on-one teaching and group lessons. Corequisite: MUSP 3260 or MUSP 4260.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4273. String Literature.
This course is an intensive study of music repertoire for strings, including solo, chamber, and orchestral music, as well as relevant music history and literature, performance practice, and rehearsal techniques. Emphasis will be given to literature of the student's primary instrument. Corequisite: MUSP 3260 or MUSP 4260.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4310. Guitar Class III: Rock, Country, Blues.
Designed primarily for the non-music major. Continued study of advanced techniques including scales, arpeggios, strumming patterns and advanced accompanying styles. Analysis and performance of musical styles including rock, country and blues. Prerequisite: MU 3310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4312. Guitar Class IV: Rock, Country, Blues.
Designed primarily for the non-music major. Continued study of advanced techniques including soloing techniques, accompaniment techniques. Detailed analysis of performance styles emphasizing the styles of contemporary performers. Prerequisite: MU 4310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4330. Form and Analysis.
Principles of form and analysis developed through the in-depth application of analytical systems to the musical repertoire through the nineteenth century. Prerequisites: MU 2316 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4332. Contemporary Analytic Techniques.
Detailed study and analysis of selected compositions from the early twentieth century to the present; analytical projects. Prerequisite: MU 2316 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4334. Orchestration.
Study of the characteristics of individual instruments; writing for various combinations; study of scores of different periods; techniques of instrumentation, arranging, and orchestration; listening to recorded and live performances. Prerequisite: MU 2316 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4336. 18th-Century Counterpoint.
A study of 18th-century contrapuntal techniques as found in choral preludes, inventions and fugues, among other forms. Prerequisite: MU 2316 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4343. Jazz Pedagogy.
A study of repertoire selection and evaluation, phrasing and articulation, rhythm section techniques, methods of instruction, and review of current teaching styles in American jazz programs, including contest preparation and the teaching of basic improvisation. Prerequisites: MU 2116 and MU 2316 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4351. Problems in Music.
The course is conducted as an independent study on one or more music topics and is open to students on an individual basis by approval of the Director of the School of Music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4353. Problems in Music.
The course is conducted as an independent study on one or more music topics and are open to students on an individual basis by approval of the Director of the School of Music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4354. Business in Music.
A preparation of students and future musicians for a career in music. The course will discuss the various career options available to aspiring musicians and the paths to take to pursue these options.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4385. Advanced Audio Recording Techniques.
Application of theoretical skills in recording, mixing, and editing concert music. Full major in SRT required. Prerequisite: MU 3384 with a grade of "C" or higher. Corequisite: MU 4180.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4386. SRT Internship.
Practical experience in audio recording under professional supervision. Provides the opportunity for students to demonstrate professional competencies, based on prior theoretical and laboratory experiences. Full major in SRT required.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Courses in Music Ensembles (MUSE)

MUSE 3009. Opera Production.
Opera production is a performance class where practical skills are applied in a production setting. The class is designed to produce and perform a fully staged opera or opera scenes program. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 3106 with a grade of “C” or better.
0 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3026. Student Chamber Music.
Small student organized and led performing groups coached by area faculty as necessary.
0 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3027. Jazz Seminar.
Jazz faculty and guest artists meet with Jazz Performance majors to address topics outside the scope of the student's other daily coursework. The seminar will provide lectures and performance opportunities that focus on skills related to professional jazz performance practices.
0 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3028. Latin Music Studies Seminar.
Latin music faculty and guest artists meet with Latin music majors to address topics outside the scope of the students' other daily coursework. The seminar will provide lectures and performance opportunities that focus on skills related to professional Latin performance practices. Corequisite: MUSP 1220 or MUSP 2220 or MUSP 3220 or MUSP 4220 or MUSP 1230 or MUSP 2230 or MUSP 3230 or MUSP 4230 or MUSP 1240 or MUSP 2240 or MUSP 3240 or MUSP 4240 or MUSP 1250 or MUSP 2250 or MUSP 3250 or MUSP 4250 or MUSP 1260 or MUSP 2260 or MUSP 3260 or MUSP 4260 or MUSP 1170 or MUSP 2170 or MUSP 3170 or MUSP 4170.
0 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3099. Concert Ensemble.
This is a major ensemble that provides experience for music majors to improve their performance skills in a mixed ensemble setting. May be repeated for credit. Restricted to full majors in Music.
0 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men’s and women’s basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal and jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance. This course may be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3107. Opera Theatre.
This course is designed to take the knowledge and skills learned in MUSE 3106-Opera Workshop class and build on those skills while applying those skills to more advanced work. Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Prerequisite: MUSE 3106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3108. Orquesta del Rio.
Performing ensemble specializing in Latin and South America music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

MUSE 3109. Opera Production.
Opera Production is a performance class where practical skills are applied in a production setting. The class is designed to produce and perform a fully staged opera or opera-scenes program. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 3106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3120. Bobcat Marching Band.
This ensemble performs at all home and select away football games utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3124. Treble Voice Choir.
This is a performing ensemble course, specializing in choral literature for treble voices. This course may be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3125. Men's Choir.
Performing ensemble specializing in choral literature for men’s voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks, from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3151. Chamber Orchestra.
Auditioned orchestra designed to perform advanced level symphonic literature with repertoire representing several of historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3160. Jazz Ensemble.
The jazz based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3161. Jazz Orchestra.
The jazz based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3162. Jazz Lab Band.
The jazz based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit. Prerequisite: Piano major.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as ensemble performer, and to familiarize student with music from different periods through a variety of literature. May repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Courses in Applied Music (MUSP)

Applied Instruction: Private study of voice, piano/organ, woodwind, brass, string, and percussion instruments is available to all music majors from beginning through advanced levels of instruction. Though supervised private coaching, instruction focuses on technique, musicality, literature, and performance. May be repeated for credit. Prerequisite: Music major status or permission from instructor.

MUSP 1120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. BA in music status is required as well as MU 1000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1121. Vocal Techniques.
Vocal Techniques. Vocal instruction focusing on technique, musicality and performance for the beginning singer. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. BA in music status is required as well as MU 1000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1135. Piano Techniques I.
This is an introductory course to develop piano technique and musical style through sight-reading, scales, chords, harmonization, and improvisation.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: MUSI 1181

MUSP 1136. Piano Techniques II.
Beginning level course to develop piano technique and musical style through sight-reading, scales, chords, harmonization, and improvisation. Prerequisites: MUSP 1135 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: MUSI 1182

MUSP 1137. Piano Techniques III.
Intermediate level course to develop piano technique and musical style through sight-reading, scales, chords, harmonization and improvisation. Prerequisite: MUSP 1136 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1138. Piano Techniques IV.
Advanced level course to develop piano technique and musical style through sight-reading, scales, chords, harmonization and improvisation. Prerequisite: MUSP 1137 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. BA in music status is required as well as MU 1000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. BA in music status is required as well as MU 1000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. BA in music status is required as well as MU 1000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Music major status is required as well as MU 1000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1180. Introduction to Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1230. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the stringl area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Corequisite: MU 1000 with a grade of "C" or better; MUSE 3120, MUSE 3123, MUSE 3130, MUSE 3131, MUSE 3150, MUSE 3160, MUSE 3161, MUSE 3162; with a grade of "C" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. BA in music status is required as well as MU 2000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 2000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2125. Applied Voice for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual vocal development. May be repeated for credit. Permission from instructor required to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. BA in music status is required as well as MU 2000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 2000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2135. Applied Keyboard for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual keyboard development. May be repeated for credit. Permission from instructor required to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. BA in music status is required as well as MU 2000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 2000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2145. Applied Woodwind for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual woodwind development. May be repeated for credit. Permission from instructor required to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. BA in music status is required as well as MU 2000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 2000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2155. Applied Brass for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual brass development. May be repeated for credit. Permission from instructor required to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. BA in music status is required as well as MU 2000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 2000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2165. Applied String for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual string development. May be repeated for credit. Permission from instructor required to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. This course may be repeated for credit. Music major status is required as well as MU 2000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 2000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2175. Applied Percussion for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual percussion development. May be repeated for credit. Permission from instructor required to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2185. Applied Composition for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual composition development. May be repeated for credit. Permission from instructor required to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2191. Electronic Music I.
Theoretical and working knowledge of sound synthesis, MIDI, and computer-based composition emphasizing practical applications using available software and instruments. Major subject areas: hardware and software, virtual instruments, sampling & playback devices, timbre control, MIDI synchronization, sequencing, digital audio workstations, editing, mixing, notation, and composition. Full major in SRT required.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2192. Electronic Music II.
Continuation of the theoretical/working knowledge of sound synthesis, MIDI, and computer-based composition emphasizing practical applications using available software and instruments. Major subject areas: hardware & software, virtual instruments, sampling & playback devices, timbre control, MIDI synchronization, sequencing, digital audio workstations, editing, mixing, notation, and composition. Full major in SRT required. Prerequisite: MUSP 2191.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2225. Applied Voice for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual vocal development. May be repeated for credit. Permission from instructor required to enroll.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2230. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2235. Applied Keyboard for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual keyboard development. May be repeated for credit. Permission from instructor required to enroll.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2245. Applied Woodwind for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual woodwind development. May be repeated for credit. Permission from instructor required to enroll.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2255. Applied Brass for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual brass development. May be repeated for credit. Permission from instructor required to enroll.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2265. Applied String for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual string development. May be repeated for credit. Permission from instructor required to enroll.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Corequisite: MU 2000 with a grade of "C" or better; MUSE 3120, MUSE 3123, MUSE 3130, MUSE 3131, MUSE 3150, MUSE 3160, MUSE 3161, MUSE 3162 or equivalent; with a grade of "C" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2285. Applied Composition for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual composition development. May be repeated for credit. Permission from instructor required to enroll.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3131. Jazz Piano Techniques I.
Beginning piano techniques, introducing scales and chords used in the jazz idiom. Prerequisite: MUSP 1136 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3132. Jazz Piano Techniques II.
Continuing study of piano technique in the jazz idiom and application of skills through performance and arranging. Prerequisites: MUSP 3131 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3145. Woodwind Techniques I.
Basic teaching and performance techniques of the clarinet and saxophone. Requires successful completion of the Upper Level Competency Review in Music Studies or permission from the instructor to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3147. Woodwind Techniques II.
Basic teaching and performance techniques of the flute and double reeds. Requires successful completion of the Upper Level Competency Review in Music Studies or permission from the instructor to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3155. Brass Techniques I.
Basic teaching and performance techniques of the high brass instruments. Requires successful completion of the Upper Level Competency Review in Music Studies or permission from the instructor to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3157. Brass Techniques II.
Continuation of the basic teaching and performance techniques of the low brass instruments. Requires successful completion of the Upper Level Competency Review in Music Studies or permission from the instructor to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3165. String Techniques.
Basic teaching and performance techniques of the violin, viola, cello and double bass. Full major in Music Studies required.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Music major status required as well as MU 3000 and the appropriate major ensemble must be taken concurrently. Corequisite: MU 3000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3175. Percussion Techniques.
Basic teaching and performance techniques of marching and concert percussion. Full major in Music Studies required.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3191. Electronic Music III.
Further exploration into the theoretical and working knowledge of sound synthesis, MIDI, and computer-based composition emphasizing practical applications using available software and instruments. Major subject areas: hardware and software, virtual instruments, sampling & playback devices, timbre control, MIDI synchronization, sequencing, digital audio workstations, editing, mixing, notation, and composition. Prerequisite: MUSP 2192 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3192. Electronic Music IV.
Final studies in the theoretical and working knowledge of sound synthesis, MIDI, and computer-based composition emphasizing practical applications using available software and instruments. Major subject areas: hardware and software, virtual instruments, sampling & playback devices, timbre control, MIDI synchronization, sequencing, digital audio workstations, editing, mixing, notation, and composition. Prerequisites: MUSP 3191 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3195. Instrumental Techniques for Choral Students.
This course introduces basic teaching and performance techniques of band and orchestral instruments, instrumental ensembles and instrumental music programs for music students who consider instrumental music a secondary skill area. Full major in Music Studies, vocal concentration required.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3196. Jazz and Latin Ensemble Techniques.
This course explores the basic teaching and performance techniques of instrumentation, arranging and pedagogy in the areas of jazz and multicultural ensembles. Full major in Music Studies, instrumental concentrations.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

MUSP 3197. Choral/Vocal Techniques.
This course will prepare instrumental music studies students with knowledge of and practice in basic vocal/choral techniques along with guidance in the choosing of appropriate choral literature in order that they may be successful in developing, directing, and maintaining choral programs in elementary-secondary schools. Full major in Music Studies required.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

MUSP 3220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3230. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3255. Wind Instrumental Techniques for String Students.
This course is designed to introduce basic teaching and performance techniques of the major wind instruments, with a focus on instructing full orchestra. Students will observe, practice, and teach wind instruments in various settings. Full major in Music Studies, string concentration and Upper-Level review completion required. Prerequisite: MUSP 3165; MUSP 3265; with grades of "C" or higher.
2 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3265. String Techniques II.
This course is designed to review beginning-level techniques and to introduce intermediate and advanced-level techniques related to string teaching and playing. Techniques and concepts will be explored through historical perspectives, pedagogical approaches, performance (on primary and secondary instruments), observations of teaching, and teaching experiences. Prerequisite: MUSP 3165 with a grade of "C" or better.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. Co-requisite: MUSP 4230.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. Co-requisite: MUSP 4240 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. Co-requisite: MUSP 4260.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4230. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in Music

Minimum required: 120 semester credit hours

Admission Requirements

1. All students in the School of Music require admission to the university and admission to the program. For audition guidelines and requirements, prospective undergraduate students should visit: http://www.music.txstate.edu/prospectivestudents/BecomingaMusicMajor.html
2. Students wanting to enter the music program as a music major (B.A., B.M., B.S. degrees) must submit an online application and audition on their principal instrument or voice the semester before their desired entrance.
3. Admission to the School of Music is contingent upon admission to Texas State, successful completion of the audition process, and available space in each studio. Moreover, a successful audition does not automatically ensure acceptance to the School of Music. Transfer students' transcripts will be evaluated by an academic advisor prior to an acceptance decision to ensure that acceptance and successful degree plan completion are possible here at Texas State. Prospective music students will not be permitted to enroll in applied music and other music major classes until they have been accepted based on their audition and met with an academic advisor. Auditions are held periodically throughout the year for enrollment the following academic year. Those prospective music students unable to audition in person due to geographic distance from campus may submit an audio or video recording representative of their performing abilities that meet the audition guidelines for their instrument or voice. The deadline to submit a recorded audition is March 1 (for Fall admission) or November 1 (for Spring admission). Audition requirements are available on the School of Music website.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. Piano Proficiency (Level II)
5. Theory Proficiency
6. Upper Level Competency Review (ULCR)
7. For transfer students, 31 semester credit hours in Music (or equivalents) may be transferred from a Texas public institution of higher education for the Music Field of Study and be applied to the Bachelor of Arts degree with a major in Music at Texas State University. More information about the Field of Study (http://

mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. Transfer students may not reach the 36 advanced hours required in the degree without taking additional coursework. See your academic advisor for details. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
MU 1315	Music Theory I	3
TCCN: MUSI 1311		
MU 1316	Music Theory II	3
TCCN: MUSI 1312		
MU 2315	Music Theory III	3
TCCN: MUSI 2311		
MU 2316	Music Theory IV	3
TCCN: MUSI 2312		
MU 1115	Aural Skills I	1
TCCN: MUSI 1116		
MU 1116	Aural Skills II	1
TCCN: MUSI 1117		
MU 2115	Aural Skills III	1
TCCN: MUSI 2116		
MU 2116	Aural Skills IV	1
TCCN: MUSI 2117		
MU 2303	Survey of Music Literature	3
TCCN: MUSI 1307		
4 semester credit hours of Ensembles from the following: MUSE 3120, MUSE 3123, MUSE 3124, MUSE 3125, MUSE 3130, MUSE 3131, MUSE 3140, MUSE 3141, MUSE 3150, MUSE 3160, MUSE 3161, MUSE 3162, MUSE 3170 and MUSE 3190		4
TCCN: 4 hours from MUEN 11XX and 21XX		
8 semester credit hours of Applied Study from the following: MUSP 1120, MUSP 1130, MUSP 1140, MUSP 1150, MUSP 1160, MUSP 1170, MUSP 2120, MUSP 2130, MUSP 2140, MUSP 2150, MUSP 2160, MUSP 2170, MUSP 3120, MUSP 3130, MUSP 3140, MUSP 3150, MUSP 3160 and MUSP 3170		8
TCCN: 8 hours from MUAP 11XX, 12XX, 21XX and 22XX		
Total Hours		31

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
MU 1000	0	MU 1000	0
MU 1115	1	MU 1116	1
MU 1315	3	MU 1316	3
MUSP 11xx/MUSP 31xx	2	MUSP 11xx/MUSP 31xx	2
MUSE 31xx	1	MUSE 31xx	1
MUSP 1135	1	MUSP 1136	1
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
Mathematics Component Code 020	3		
	15		14

Sophomore

Fall Semester	Hours	Spring Semester	Hours
MU 2000	0	MU 2000	0
MU 2115	1	MU 2116	1
MU 2315	3	MU 2316	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	MU 3315	3
MUSP 21xx/MUSP 31xx	2	MUSP 21xx/MUSP 31xx	2
MUSE 31xx	1	MUSE 31xx	1
HIST 1320 (American History Component Code 060)	3	POSI 2310 (Government/ Political Science Component Code 070)	3
Social & Behavioral Sciences Component Code 080	3	Minor	3
	16		16

Junior

Fall Semester	Hours	Spring Semester	Hours
MU 3000	0	MU 3000	0
MU 3316	3	MU 3317	3
Modern Language 2310	3	Advanced Music Elective	3
Life & Physical Sciences Component Code 030	3	Modern Language 2320	3
POSI 2320 (Government/ Political Science Component Code 070)	3	Life & Physical Sciences Component Code 030	3
Minor	3	Minor	3
	15		15

Senior

Fall Semester	Hours	Spring Semester	Hours
Advanced Music Elective	3	Advanced Music Elective	2
BA ENG Literature	3	Minor	6
BA Computer Science. Logic, Mathematics or science	3	ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	COMM 1310 (Component Area Option Code 090/091)	3
Minor	3		
	15		14

Total Hours: 120

Bachelor of Music (B.M.) Major in Music Studies (Choral Concentration Teacher Certification in Music, Early Childhood Through Grade 12)

Minimum required: 129 semester credit hours

Admission Requirements

1. All students in the School of Music require admission to the university and admission to the program. For audition guidelines and requirements, prospective undergraduate students should visit: http://www.music.txstate.edu/prospectivestudents/BecomingaMusicMajor.html
2. Students wanting to enter the music program as a music major (B.A., B.M., B.S. degrees) must submit an online application and audition on their principal instrument or voice the semester before their desired entrance.
3. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236) once all course requirements and successful completion of the School of Music's Upper Level Competency Review have been met in order to officially complete the Bachelor of Music major in Music Studies degree program.
4. Admission to the School of Music is contingent upon admission to Texas State, successful completion of the audition process, and available space in each studio. Moreover, a successful audition does not automatically ensure acceptance to the School of Music. Transfer students' transcripts will be evaluated by an academic advisor prior to an acceptance decision to ensure that acceptance and successful degree plan completion are possible here at Texas State. Prospective music students will not be permitted to enroll in applied music and other music major classes until they have been accepted based on their audition and met with an academic advisor. Auditions are held periodically throughout the year for enrollment the following academic year. Those prospective music students unable to audition in person due to geographic distance from campus may submit an audio or video recording representative of their performing abilities that meet the audition guidelines for their instrument or voice. The deadline to submit a recorded audition is March 1 (for Fall admission) or November 1 (for Spring admission). Audition requirements are available on the School of Music website.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. To satisfy graduation requirements for this concentration, students must have at least a 2.85 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
3. In addition to the major requirements, students must also complete 15 hours of professional sequence courses through the College of Education. All coursework must be completed prior to EDST 4380 and EDST 4381.
4. Piano Proficiency (Level IV)
5. Theory Proficiency
6. Upper Level Competency Review (ULCR)
7. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.
8. For transfer students, 31 semester credit hours in Music (or equivalents) may be transferred from a Texas public institution of higher education for the Music Field of Study and be applied to the Bachelor of Music degree with a major in Music Studies at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
MU 1315	Music Theory I	3
TCCN: MUSI 1311		
MU 1316	Music Theory II	3
TCCN: MUSI 1312		
MU 2315	Music Theory III	3
TCCN: MUSI 2311		
MU 2316	Music Theory IV	3
TCCN: MUSI 2312		
MU 1115	Aural Skills I	1
TCCN: MUSI 1116		
MU 1116	Aural Skills II	1
TCCN: MUSI 1117		
MU 2115	Aural Skills III	1
TCCN: MUSI 2116		
MU 2116	Aural Skills IV	1
TCCN: MUSI 2117		
MU 2303	Survey of Music Literature	3
TCCN: MUSI 1307		
4 semester credit hours of Ensembles from the following: MUSE 3124, MUSE 3125, MUSE 3140 and MUSE 3141		4
TCCN: 4 hours from MUEN 11XX and 21XX		
8 semester credit hours of Applied Study from the following: MUSP 1220 and MUSP 2220		8
TCCN: 8 hours from MUAP 11XX, 12XX, 21XX and 22XX		
Total Hours		31

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
MU 1000	0	MU 1000	0
MU 1115	1	MU 1116	1
MU 1315	3	MU 1316	3
MUSP 1220	2	MUSP 1220	2
MUSE 3124 or 3125	1	Select one from the following:	1
MU 1150	1	MUSE 3124	
MUSP 1135	1	MUSE 3125	
US 1100 (music education section)	1	MUSE 3140	
ENG 1310 (Communication Component Code 010)	3	MUSE 3141	
POSI 2310 (Government/ Political Science Component Code 070)	3	MUSP 1136	1
Mathematics Component Code 020	3	MU 2123	1
		ENG 1320 (Communication Component Code 010)	3
		POSI 2320 (Government/ Political Science Component Code 070)	3
		PHIL 1305 or 1320 (Language, Philosophy & Culture 040)	3
	19		18

Sophomore

Fall Semester	Hours	Spring Semester	Hours
MU 2000	0	MU 2000	0
MU 2115	1	MUSP 2220	2
MU 2315	3	MU 2116	1
MUSP 2220	2	MU 2316	3
MUSE 3140 or 3141	1	MUSE 3140 or 3141	1
MUSP 3195	1	MU 3318	3
MUSP 1137	1	MUSP 1138	1
MU 3141	1	MU 3142	1
HIST 1310 (American History Component Code 060)	3	MU 3315	3
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1320 (American History Component Code 060)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		
	19		18

Junior

Fall Semester	Hours	Spring Semester	Hours
MU 3000	0	MU 3000	0
MUSP 3220	2	MUSP 3220	2
MUSE 3140 or 3141	1	MUSE 3140 or 3141	1
MU 3316	3	MU 3317	3
MU 3208	2	MU 3227	2
MU 3340	3	MU 3242	2
MU 3254	2	MU 3269 or 4257 (Fall only)	0-2
MU 4257 or 3269 (Spring only)	0-2	Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3	Social & Behavioral Sciences Component Code 080	3
	18		16

Senior

Fall Semester	Hours	Spring Semester	Hours
MUSP 4220	2	EDST 4380	3
MUSE 3140 or 3141	1	EDST 4381	3
MU 4050	0		
CI 4343	3		
CI 4370	3		
RDG 3323	3		
ENG Literature (Component Area Option Code 090/094)	3		
	15		6

Total Hours: 129

Bachelor of Music (B.M.) Major in Music Studies (Instrumental Concentration Teacher Certification in Music, Early Childhood Through Grade 12)

Minimum required: 131 semester credit hours

Admission Requirements

1. All students in the School of Music require admission to the university and admission to the program. For audition guidelines and requirements, prospective undergraduate students should visit: http://www.music.txstate.edu/prospectivestudents/BecomingaMusicMajor.html
2. Students wanting to enter the music program as a music major (B.A., B.M., B.S. degrees) must submit an online application and audition on their principal instrument or voice the semester before their desired entrance.
3. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236) once all course requirements and successful completion of the School of Music's Upper Level Competency Review have been met in order to officially complete the Bachelor of Music major in Music Studies degree program.
4. Admission to the School of Music is contingent upon admission to Texas State, successful completion of the audition process, and available space in each studio. Moreover, a successful audition does not automatically ensure acceptance to the School of Music. Transfer students' transcripts will be evaluated by an academic advisor prior to an acceptance decision to ensure that acceptance and successful degree plan completion are possible here at Texas State. Prospective

music students will not be permitted to enroll in applied music and other music major classes until they have been accepted based on their audition and met with an academic advisor. Auditions are held periodically throughout the year for enrollment the following academic year. Those prospective music students unable to audition in person due to geographic distance from campus may submit an audio or video recording representative of their performing abilities that meet the audition guidelines for their instrument or voice. The deadline to submit a recorded audition is March 1 (for Fall admission) or November 1 (for Spring admission). Audition requirements are available on the School of Music website.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. To satisfy graduation requirements for this concentration, students must have at least a 2.85 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
3. In addition to the major requirements, students must also complete 15 hours of professional sequence courses through the College of Education. All coursework must be completed prior to EDST 4380 and EDST 4381.
4. Piano Proficiency (Level II)
5. Theory Proficiency
6. Upper Level Competency Review (ULCR)
7. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.
8. For transfer students, 31 semester credit hours in Music (or equivalents) may be transferred from a Texas public institution of higher education for the Music Field of Study and be applied to the Bachelor of Music degree with a major in Music Studies at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
MU 1315	Music Theory I	3
TCCN: MUSI 1311		
MU 1316	Music Theory II	3
TCCN: MUSI 1312		
MU 2315	Music Theory III	3
TCCN: MUSI 2311		
MU 2316	Music Theory IV	3
TCCN: MUSI 2312		
MU 1115	Aural Skills I	1
TCCN: MUSI 1116		
MU 1116	Aural Skills II	1
TCCN: MUSI 1117		
MU 2115	Aural Skills III	1
TCCN: MUSI 2116		
MU 2116	Aural Skills IV	1
TCCN: MUSI 2117		
MU 2303	Survey of Music Literature	3
TCCN: MUSI 1307		
4 semester credit hours of Ensembles from the following: MUSE 3120, MUSE 3123, MUSE 3130, MUSE 3131, and MUSE 3150		4
TCCN: 4 hours from MUEN 11XX and 21XX		
8 semester credit hours of Applied Study from the following: MUSP 1240, MUSP 1250, MUSP 1260, MUSP 1170 (2 sections), MUSP 2240, MUSP 2250, MUSP 2260, MUSP 2170 (2 sections)		8
TCCN: 8 hours from MUAP 11XX, 12XX, 21XX and 22XX		
Total Hours		31

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
MU 1000	0	MU 1000	0
MU 1115	1	MU 1116	1
MU 1315	3	MU 1316	3
MUSP 12xx	2	MUSP 12xx	2
Select one of the following:	1	Select one of the following:	1
MUSE 3120		MUSE 3123	
MUSE 3150 (Strings)		MUSE 3130	
MU 1150	1	MUSE 3131	
MUSP 1135	1	MUSE 3150 (Strings)	
US 1100 (music education section)	1	MUSP 1136	1
ENG 1310 (Communication Component Code 010)	3	MU 2123	1
POSI 2310 (Government/ Political Science Component Code 070)	3	ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020	3	POSI 2320 (Government/ Political Science Component Code 070)	3
		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	19		18

Sophomore

Fall Semester	Hours	Spring Semester	Hours
MU 2000	0	MU 2000	0
MU 2115	1	MU 2116	1
MU 2315	3	MU 2316	3
MUSP 22xx	2	MUSP 22xx	2

Select one of the following:	1	Select one of the following:	1
MUSE 3120		MUSE 3123	
MUSE 3150 (Strings)		MUSE 3130	
MUSE 3099 (non-String students)	0	MUSE 3131	
MUSP 3197	1	MUSE 3150 (Strings)	
MUSP 3165 or 3175	1	MUSE 3026 (secondary ensemble)	0
HIST 1310 (American History Component Code 060)	3	Select one of the following:	2
COMM 1310 (Component Area Option Code 090/091)	3	MU 3241 (non-String students)	
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	MU 3269 (Strings)	
		MUSP 3196	1
		MUSP 3165 or 3175	1
		MU 3315	3
		HIST 1320 (American History Component Code 060)	3
	18		17

Junior			
Fall Semester	Hours	Spring Semester	Hours
MU 3000	0	MU 3000	0
MUSP 32xx	2	MUSP 32xx	2
Select one of the following:	1	Select one of the following:	1
MUSE 3120		MUSE 3123	
MUSE 3150 (Strings)		MUSE 3130	
MUSE 3099 (non-String students)	0	MUSE 3131	
MUSE 3026 (secondary ensemble)	0	MUSE 3150 (Strings)	
MU 3316	3	MU 3317	3
MU 3207	2	MU 3217	2
MU 3340	3	MU 3253	2
Choose 2 hours from the following:	2	Choose 2 hours from the following:	2
MUSP 3145 (non-String students)		MUSP 3147 (non-String students)	
MUSP 3155 (non-String students)		MUSP 3157 (non-String students)	
MUSP 3255 (Strings)		MU 3241 (Strings)	
Choose 2 hours from the following:	2	Social & Behavioral Sciences Component Code 080	3
MU 3263		Life & Physical Sciences Component Code 030	3
MU 3269 (Spring only)			
MUSP 3265 (Strings only)			
Life & Physical Sciences Component Code 030	3		
	18		18

Senior			
Fall Semester	Hours	Spring Semester	Hours
MUSP 42xx	2	EDST 4380	3
MU 4050	0	EDST 4381	3
MU 4234	2		
Select one of the following:	1		
MUSE 3123			
MUSE 3130			
MUSE 3131			
MUSE 3150 (Strings)			
CI 4343	3		
CI 4370	3		
RDG 3323	3		
ENG Literature (Component Area Option Code 090/094)	3		
	17		6

Total Hours: 131

Bachelor of Music (B.M.) Major in Performance (Composition Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. All students seeking to major in music must be admitted to Texas State University. For more information on Texas State, visit https://www.txstate.edu/. Undergraduate students should visit the Office of Undergraduate Admissions at https://www.admissions.txstate.edu/ to learn about undergraduate level admission.
2. Students wanting to enter the music program as a music major (B.A., B.M., B.S.) must submit an online application and audition on their principal instrument or voice the semester before their desired entrance. For audition guidelines and requirements, prospective undergraduate students should visit: https://www.music.txstate.edu/prospectivestudents/BecomingaMusicMajor.html.
3. Students interested in the B.M. Performance, Composition Concentration must submit a portfolio (see https://www.music.txstate.edu/prospectivestudents/BecomingaMusicMajor.html) and interview.
4. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation once all course requirements and successful completion of the School of Music's Upper Level Competency Review have been met in order to officially complete the Bachelor of Music major in Music Studies degree program.
5. Admission to the School of Music is contingent upon admission to Texas State, successful completion of the audition process, and available space in each studio. Moreover, a successful audition does not automatically ensure acceptance to the School of Music. Transfer students' transcripts will be evaluated by an academic advisor prior to an acceptance decision to ensure that acceptance and successful degree plan completion are possible here at Texas State. Prospective

music students will not be permitted to enroll in applied music and other music major classes until they have been accepted based on their audition and met with an academic advisor. Auditions are held periodically throughout the year for enrollment the following academic year. Those prospective music students unable to audition in person due to geographic distance from campus may submit an audio or video recording representative of their performing abilities that meet the audition guidelines for their instrument or voice. The deadline to submit a recorded audition is March 1 (for Fall admission) or November 1 (for Spring admission). Audition requirements are available on the School of Music website.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Piano Proficiency
3. Theory Proficiency
4. Upper Level Competency Review (ULCR)
5. For transfer students, 31 semester credit hours in Music (or equivalents) may be transferred from a Texas public institution of higher education for the Music Field of Study and be applied to the Bachelor of Music degree with a major in Performance at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. Transfer students may not reach the 36 advanced hours required in the degree without taking additional coursework. See your academic advisor for details. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
MU 1315	Music Theory I	3
TCCN: MUSI 1311		
MU 1316	Music Theory II	3
TCCN: MUSI 1312		
MU 2315	Music Theory III	3
TCCN: MUSI 2311		
MU 2316	Music Theory IV	3
TCCN: MUSI 2312		
MU 1115	Aural Skills I	1
TCCN: MUSI 1116		
MU 1116	Aural Skills II	1
TCCN: MUSI 1117		
MU 2115	Aural Skills III	1
TCCN: MUSI 2116		
MU 2116	Aural Skills IV	1
TCCN: MUSI 2117		
MU 2303	Survey of Music Literature	3
TCCN: MUSI 1307		
4 semester credit hours of Ensembles from the following: MUSE 3123, MUSE 3124, MUSE 3125, MUSE 3130, MUSE 3131, MUSE 3140, MUSE 3141, MUSE 3150, MUSE 3170 and MUSE 3190		4
TCCN: 4 hours from MUEN 11XX and 21XX		
8 semester credit hours of Applied Study from the following: MUSP 1220, MUSP 1230, MUSP 1240, MUSP 1250, MUSP 1260, MUSP 1170 (2 sections) or MUSP 1270, MUSP 1280, MUSP 2220, MUSP 2230, MUSP 2240, MUSP 2250, MUSP 2260, MUSP 2170 (2 sections) or MUSP 2270, MUSP 2280		8
TCCN: 8 hours from MUAP 11XX, 12XX, 21XX and 22XX		
Total Hours		31

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
MU 1000	0	MU 1000	0
MU 1210	2	MU 1212	2
MU 1211	2	MU 1213	2
MUSP 1280	2	MUSP 1280	2
MUSE 31 xx (any Major ensemble)	1	MUSE 31xx (any Major ensemble)	1
MU 1150	1	Select one of the following:	1
Select one of the following: [1]	1	MUSP 1136	
MUSP 1135		MUSP 1120	
MUSP 1120		MUSP 1130	
MUSP 1130		MUSP 1140	
MUSP 1140		MUSP 1150	
MUSP 1150		MUSP 1160	
MUSP 1160		MUSP 1170	
MUSP 1170		ENG 1320 (Communication Component Code 010)	3
US 1100	1	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
MATH Component	3		
	16		17

Sophomore

Fall Semester	Hours	Spring Semester	Hours
MU 2000	0	MU 2000	0
MU 2260	2	MU 2262	2
MU 2261	2	MU 2263	2
MUSP 2280	2	MUSP 2280	2
MUSE 31xx (any Major ensemble)	1	MUSE 31xx (any Major ensemble)	1
MU 2104	1	MU 3315	3
Select one of the following:	1	Select one of the following:	1
MUSP 1137		MUSP 1138	
MUSP 1120		MUSP 1120	
MUSP 1130		MUSP 1130	
MUSP 1140		MUSP 1140	
MUSP 1150		MUSP 1150	
MUSP 1160		MUSP 1160	

MUSP 1170		MUSP 1170	
Select one of the following: (Creative Arts Component Code 050)	3	HIST 1320 (American History Component Code 060)	3
ART 2313			
DAN 2313			
MU 2313			
TH 2313			
COMM 1310 (Component Area Option Code 090/091)	3		
	15		14

Junior

Fall Semester	Hours	Spring Semester	Hours
MU 3000	0	MU 3000	0
MUSP 3280	2	MUSP 3280	2
MU 31xx (any Major ensemble)	1	MUSE 31xx (any Major ensemble)	1
Select one of the following:	1	Select one of the following:	1
MUSP 1120		MUSP 1120	
MUSP 1130		MUSP 1130	
MUSP 1140		MUSP 1140	
MUSP 1150		MUSP 1150	
MUSP 1160		MUSP 1160	
MUSP 1170		MUSP 1170	
MU 3316	3	MU 3317	3
MU 3207	2	Select one of the following:	3
Select one of the following:	3	MU 4330	
MU 4330		MU 4332	
MU 4332		MU 4334	
MU 4334		MU 4336	
MU 4336		MU 3380B	
MU 3380B		POSI 2320 (Government/ Political Science Component Code 070)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	Life & Physical Sciences Component Code 030	3
	15		16

Senior

Fall Semester	Hours	Spring Semester	Hours
MUSP 4280	2	MUSP 4280	2
MUSE 31xx (any Major ensemble)	1	MUSE 31xx (any Major ensemble)	
3 hours ADV ME, MUSE, or MUSP elective	3	MU 4050	0
Select one of the following:	3	MU 4185	1
MU 4330		ENG Literature	3
MU 4332		Select one of the following:	3
MU 4334		MU 4330	
MU 4336		MU 4332	
MU 3380B		MU 4334	
Select one of the following:	1	MU 4336	
MUSP 1120		MU 3380B	
MUSP 1130		Social & Behavioral Sciences Component Code 080	3
MUSP 1140		Select one of the following:	1
MUSP 1150		MUSP 1120	
MUSP 1160		MUSP 1130	
MUSP 1170		MUSP 1140	
Life and Phyiscal Sciences	3	MUSP 1150	
		MUSP 1150	
		MUSP 1160	
		MUSP 1170	1
	13		14

Total Hours: 120

Bachelor of Music (B.M.) Major in Performance (Guitar Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. All students in the School of Music require admission to the university and admission to the program. For audition guidelines and requirements, prospective undergraduate students should visit: http://www.music.txstate.edu/prospectivestudents/BecomingaMusicMajor.html
2. Students wanting to enter the music program as a music major (B.A., B.M., B.S. degrees) must submit an online application and audition on their principal instrument or voice the semester before their desired entrance.
3. Admission to the School of Music is contingent upon admission to Texas State, successful completion of the audition process, and available space in each studio. Moreover, a successful audition does not automatically ensure acceptance to the School of Music. Transfer students' transcripts will be evaluated by an academic advisor prior to an acceptance decision to ensure that acceptance and successful degree plan completion are possible here at Texas State. Prospective music students will not be permitted to enroll in applied music and other music major classes until they have been accepted based on their audition and met with an academic advisor. Auditions are held periodically throughout the year for enrollment the following academic year. Those prospective music students unable to audition in person due to geographic distance from campus may submit an audio or video recording representative of their performing abilities that meet the audition guidelines for their instrument or voice. The deadline to submit a recorded audition is March 1 (for Fall admission) or November 1 (for Spring admission). Audition requirements are available on the School of Music website.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Piano Proficiency (Level IV)
3. Theory Proficiency

4. Upper Level Competency Review (ULCR)
5. For transfer students, 31 semester credit hours in Music (or equivalents) may be transferred from a Texas public institution of higher education for the Music Field of Study and be applied to the Bachelor of Music degree with a major in Performance at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. Transfer students may not reach the 36 advanced hours required in the degree without taking additional coursework. See your academic advisor for details. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
MU 1315	Music Theory I	3
TCCN: MUSI 1311		
MU 1316	Music Theory II	3
TCCN: MUSI 1312		
MU 2315	Music Theory III	3
TCCN: MUSI 2311		
MU 2316	Music Theory IV	3
TCCN: MUSI 2312		
MU 1115	Aural Skills I	1
TCCN: MUSI 1116		
MU 1116	Aural Skills II	1
TCCN: MUSI 1117		
MU 2115	Aural Skills III	1
TCCN: MUSI 2116		
MU 2116	Aural Skills IV	1
TCCN: MUSI 2117		
MU 2303	Survey of Music Literature	3
TCCN: MUSI 1307		
4 semester credit hours of Ensembles from the following: MUSE 3190		4
TCCN: 4 hours from MUEN 11XX and 21XX		
8 semester credit hours of Applied Study from the following: MUSP 1260 and MUSP 2260		8
TCCN: 8 hours from MUAP 11XX, 12XX, 21XX and 22XX		
Total Hours		31

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
MU 1000	0	MU 1000	0
MU 1115	1	MU 1116	1
MU 1315	3	MU 1316	3
MUSP 1260	2	MUSP 1260	2
MUSE 3190	1	MUSE 3190	1
MU 1150	1	MUSP 1136	1
MUSP 1135	1	ENG 1320 (Communication Component Code 010)	3
US 1100	1	COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3		
Mathematics Component Code 020	3		
	16		14

Sophomore

Fall Semester	Hours	Spring Semester	Hours
MU 2000	0	MU 2000	0
MU 2115	1	MUSP 2260	2
MU 2315	3	MU 2116	1
MUSP 2260	2	MU 2316	3
MUSE 3190	1	MUSE 3190	1
MU 2104	1	MU 3315	3
MUSP 1137	1	MU 3318	3
HIST 1310 (American History Component Code 060)	3	MUSP 1138	1
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	HIST 1320 (American History Component Code 060)	3
	15		17

Junior

Fall Semester	Hours	Spring Semester	Hours
MU 3000	0	MU 3000	0
MU 3207 or 3208	2	MU 3050	0
MU 3316	3	MU 3317	3
MUSE 3190	1	Select one of the following:	3
MUSP 3260	2	MU 4330	
MUSP 3160	1	MU 4332	
Life & Physical Sciences Component Code 030	3	MU 4334	
POSI 2310 (Government/ Political Science Component Code 070)	3	MU 4336	
		MUSE 3190	1
		MUSP 3260	2
		MUSP 3160	1
		Life & Physical Sciences Component Code 030	3
		POSI 2320 (Government/ Political Science Component Code 070)	3
	15		16

Senior

Fall Semester	Hours	Spring Semester	Hours
MU 4262	2	MU 4050	0
Select one of the following:	3	MU 4185	1
MU 4330		MU 4261	2
MU 4332		Select one from the following:	1
MU 4334		MUSE 3102	
MU 4336		MUSE 3103	
2 Hours advanced MU Electives	2	MUSE 3108	

Select one from the following:	1	MUSE 3127	
MUSE 3102		MUSE 3160	
MUSE 3103		MUSE 3161	
MUSE 3108		MUSE 3162	
MUSE 3127		MUSE 3190	
MUSE 3160		MUSP 4260	2
MUSE 3161		MUSP 4160	1
MUSE 3162		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MUSE 3190		ENG Literature (Component Area Option Code 090/094)	3
Social & Behavioral Sciences Component Code 080	3		
MUSP 4260	2		
MUSP 4160	1		
	14		13

Total Hours: 120

Bachelor of Music (B.M.) Major in Performance (Instrumental Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. All students in the School of Music require admission to the university and admission to the program. For audition guidelines and requirements, prospective undergraduate students should visit: http://www.music.txstate.edu/prospectivestudents/BecomingaMusicMajor.html
2. Students wanting to enter the music program as a music major (B.A., B.M., B.S. degrees) must submit an online application and audition on their principal instrument or voice the semester before their desired entrance.
3. Admission to the School of Music is contingent upon admission to Texas State, successful completion of the audition process, and available space in each studio. Moreover, a successful audition does not automatically ensure acceptance to the School of Music. Transfer students' transcripts will be evaluated by an academic advisor prior to an acceptance decision to ensure that acceptance and successful degree plan completion are possible here at Texas State. Prospective music students will not be permitted to enroll in applied music and other music major classes until they have been accepted based on their audition and met with an academic advisor. Auditions are held periodically throughout the year for enrollment the following academic year. Those prospective music students unable to audition in person due to geographic distance from campus may submit an audio or video recording representative of their performing abilities that meet the audition guidelines for their instrument or voice. The deadline to submit a recorded audition is March 1 (for Fall admission) or November 1 (for Spring admission). Audition requirements are available on the School of Music website.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Piano Proficiency (Level IV)
3. Theory Proficiency
4. Upper Level Competency Review (ULCR)
5. For transfer students, 31 semester credit hours in Music (or equivalents) may be transferred from a Texas public institution of higher education for the Music Field of Study and be applied to the Bachelor of Music degree with a major in Performance at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. Transfer students may not reach the 36 advanced hours required in the degree without taking additional coursework. See your academic advisor for details. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
MU 1315	Music Theory I	3
TCCN: MUSI 1311		
MU 1316	Music Theory II	3
TCCN: MUSI 1312		
MU 2315	Music Theory III	3
TCCN: MUSI 2311		
MU 2316	Music Theory IV	3
TCCN: MUSI 2312		
MU 1115	Aural Skills I	1
TCCN: MUSI 1116		
MU 1116	Aural Skills II	1
TCCN: MUSI 1117		
MU 2115	Aural Skills III	1
TCCN: MUSI 2116		
MU 2116	Aural Skills IV	1
TCCN: MUSI 2117		
MU 2303	Survey of Music Literature	3
TCCN: MUSI 1307		
4 semester credit hours of Ensembles from the following: MUSE 3123, MUSE 3130, MUSE 3131 and MUSE 3150		4
TCCN: 4 hours from MUEN 11XX and 21XX		
8 semester credit hours of Applied Study from the following: MUSP 1240, MUSP 1250, MUSP 1260, MUSP 1170 (2 sections), MUSP 2240, MUSP 2250, MUSP 2260 and MUSP 2170		8
TCCN: 8 hours from MUAP 11XX, 12XX, 21XX and 22XX		
Total Hours		31

Course Requirements

Freshman			
Fall Semester	**Hours**	**Spring Semester**	**Hours**
MU 1000	0	MU 1000	0
MU 1115	1	MU 1116	1
MU 1315	3	MU 1316	3
MUSP 12xx	2	MUSP 12xx	2
Select one of the following:	1	Select one of the following:	1
MUSE 31xx (Wind Band)		MUSE 31xx (Wind Band)	
MUSE 3150		MUSE 3150	
MU 1150	1	MUSP 1136	1
MUSP 1135	1	ENG 1320 (Communication Component Code 010)	3
US 1100	1	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
Mathematics Component Code 020	3		
	16		17

Sophomore			
Fall Semester	**Hours**	**Spring Semester**	**Hours**
MU 2000	0	MU 2000	0
MU 2115	1	MU 2116	1
MU 2315	3	MU 2316	3
MUSP 22xx	2	MUSP 22xx	2
Select one of the following:	1	Select one of the following:	1
MUSE 31xx (Wind Band)		MUSE 31xx (Wind Band)	
MUSE 3150		MUSE 3150	
MU 3318	3	MUSE 31xx (secondary ensemble)	1
MU 2104	1	MUSP 1138	1
MUSP 1137	1	HIST 1320 (American History Component Code 060)	3
MUSE 31xx (secondary ensemble)	1	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
COMM 1310 (Component Area Option Code 090/091)	3		
	16		15

Junior			
Fall Semester	**Hours**	**Spring Semester**	**Hours**
MU 3000	0	MU 3000	0
MUSP 32xx	2	MUSP 32xx	2
MUSE 31xx	1	MUSE 31xx	1
MUSE 31xx (secondary ensemble)	1	MUSE 31xx (secondary ensemble)	1
MU 3315	3	MU 3050	0
MU 3207	2	MU 3316	3
Life & Physical Sciences Component Code 030	3	Select one of the following:	3
POSI 2310 (Government/ Political Science Component Code 070)	3	MU 4330	
		MU 4332	
		MU 4334	
		MU 4336	
		Life & Physical Sciences Component Code 030	3
		POSI 2320 (Government/ Political Science Component Code 070)	3
	15		16

Senior			
Fall Semester	**Hours**	**Spring Semester**	**Hours**
MU 3317	3	MUSP 42xx	2
MUSP 42xx	2	MUSE 31xx	1
MUSE 31xx	1	MU 4050	0
Select one of the following:	2	MU 4185	1
MU 4267		Select one of the following:	2
MU 4269		MU 4266	
MU 4271		MU 4268	
MU 4273		MU 4270	
2 hours of ADV MU, MUSE, or MUSP elective	2	MU 4272	
Select one of the following:	3	Social & Behavioral Sciences Component Code 080	3
MU 4330		ENG Literature (Component Area Option Code 090/094)	3
MU 4332			
MU 4334			
MU 4336			
	13		12

Total Hours: 120

Bachelor of Music (B.M.) Major in Performance (Jazz Concentration)

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Piano Proficiency (Level II)
3. Theory Proficiency
4. Upper Level Competency Review (ULCR)
5. For transfer students, 31 semester credit hours in Music (or equivalents) may be transferred from a Texas public institution of higher education for the Music Field of Study and be applied to the Bachelor of Arts degree with a major in Music at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/

academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. Transfer students may not reach the 36 advanced hours required in the degree without taking additional coursework. See your academic advisor for details. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
MU 1315	Music Theory I	3
TCCN: MUSI 1311		
MU 1316	Music Theory II	3
TCCN: MUSI 1312		
MU 2315	Music Theory III	3
TCCN: MUSI 2311		
MU 2316	Music Theory IV	3
TCCN: MUSI 2312		
MU 1115	Aural Skills I	1
TCCN: MUSI 1116		
MU 1116	Aural Skills II	1
TCCN: MUSI 1117		
MU 2115	Aural Skills III	1
TCCN: MUSI 2116		
MU 2116	Aural Skills IV	1
TCCN: MUSI 2117		
MU 2303	Survey of Music Literature	3
TCCN: MUSI 1307		
4 semester credit hours of Ensembles from the following: MUSE 3160, MUSE 3161 and MUSE 3162		4
TCCN: 4 hours from MUEN 11XX and 21XX		
8 semester credit hours of Applied Study from the following: MUSP 1230, MUSP 1240, MUSP 1250, MUSP 1260, MUSP 1270, MUSP 2230, MUSP 2240, MUSP 2250, MUSP 2260 and MUSP 2270		8
TCCN: 8 hours from MUAP 11XX, 12XX, 21XX and 22XX		
Total Hours		31

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
MU 1000	0	MU 1000	0
MU 1115	1	MU 1116	1
MU 1315	3	MU 1316	3
Select one of the following:	2	Select one of the following:	2
MUSP 1230		MUSP 1230	
MUSP 12		MUSP 12	
MUSP 1250		MUSP 1250	
MUSP 12		MUSP 12	
MUSP 1270		MUSP 1270	
MUSE 3027	0	MUSE 3027	0
Select one of the following:	1	Select one of the following:	1
MUSE 31		MUSE 31	
MUSE 3161		MUSE 3161	
MUSE 31		MUSE 31	
MU 1150	1	MUSP 1136 (or MUSP 11xx)	1
MUSP 1135 (or MUSP 11xx)	1	ENG 1320 (Communica Component Code 010)	3
US 1100	1	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
ENG 1310 (Communica Component Code 010)	3		
Mathematics Component Code 020	3		
	16		14

Sophomore

Fall Semester	Hours	Spring Semester	Hours
MU 2000	0	MU 2000	0
MU 2115	1	MU 2116	1
MU 2315	3	MU 2316	3
Select one of the following:	2	Select one of the following:	2
MUSP 2230		MUSP 2230	
MUSP 22		MUSP 22	
MUSP 2250		MUSP 2250	
MUSP 22		MUSP 22	
MUSP 2270		MUSP 2270	
MUSE 3027	0	MUSE 3027	0
Select one of the following:	1	Select one of the following:	1
MUSE 31		MUSE 31	
MUSE 3161		MUSE 3161	
MUSE 31		MUSE 31	
MUSE 31xx (secondary ensemble)	1	MUSE 31xx (secondary ensemble)	1

MU 2303	3	HIST 1320 (American History Component Code 060)	3		
HIST 1310 (American History Component Code 060)	3	Life & Physical Sciences Component Code 030	3		
COMM 131((Component Area Option Code 090/091)	3				
	17		14		

Junior					
Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
MU 3000	0	MU 3000	0	MU 4343	3
Select one of the following:	2	Select one of the following:	2		
MUSP 3230		MUSP 3230			
MUSP 32		MUSP 32			
MUSP 3250		MUSP 3250			
MUSP 32		MUSP 32			
MUSP 3270		MUSP 3270			
MUSE 3027	0	MUSE 3027	0		
Select one of the following:	1	Select one of the following:	1		
MUSE 31		MUSE 31			
MUSE 3161		MUSE 3161			
MUSE 31		MUSE 31			
MUSE 3127	1	MUSE 3127	1		
MU 3207	2	MU 3050	0		
MU 3233	2	MU 3375	3		
MU 3315, 3316, or 3317	3	MU 3234	2		
MUSP 3131	1	MUSP 3132	1		
POSI 2310 (Governmen Political Science Component Code 070)	3	Life & Physical Sciences Component Code 030	3		
		POSI 2320 (Government/ Political Science Component Code 070)	3		
	15		16		3

Senior			
Fall Semester	Hours	Spring Semester	Hours
Select one of the following:	2	Select one of the following:	2
MUSP 42		MUSP 42	
MUSP 4240		MUSP 4240	
MUSP 42		MUSP 42	
MUSP 4260		MUSP 4260	
MUSP 42		MUSP 42	
MUSE 3027	0	MUSE 3027	0
Select one of the following:	1	Select one of the following:	1
MUSE 3160		MUSE 3160	
MUSE 31		MUSE 31	
MUSE 3162		MUSE 3162	
MUSE 3127	1	MUSE 3127	1
MU 4354	3	MU 4050	0
MU 4244	2	MU 4185	1
ENG Literature (Component Area Option Code 090/094)	3	MU 4245	2
		Social & Behavioral Sciences Component Code 080	3
		PHIL 1305 or 1320 (Language, Philosophy & Culture 040)	3
	12		13

Total Hours: 120

Bachelor of Music (B.M.) Major in Performance (Keyboard Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. All students in the School of Music require admission to the university and admission to the program. For audition guidelines and requirements, prospective undergraduate students should visit: http://www.music.txstate.edu/prospectivestudents/BecomingaMusicMajor.html

2. Students wanting to enter the music program as a music major (B.A., B.M., B.S. degrees) must submit an online application and audition on their principal instrument or voice the semester before their desired entrance.
3. Admission to the School of Music is contingent upon admission to Texas State, successful completion of the audition process, and available space in each studio. Moreover, a successful audition does not automatically ensure acceptance to the School of Music. Transfer students' transcripts will be evaluated by an academic advisor prior to an acceptance decision to ensure that acceptance and successful degree plan completion are possible here at Texas State. Prospective music students will not be permitted to enroll in applied music and other music major classes until they have been accepted based on their audition and met with an academic advisor. Auditions are held periodically throughout the year for enrollment the following academic year. Those prospective music students unable to audition in person due to geographic distance from campus may submit an audio or video recording representative of their performing abilities that meet the audition guidelines for their instrument or voice. The deadline to submit a recorded audition is March 1 (for Fall admission) or November 1 (for Spring admission). Audition requirements are available on the School of Music website.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Piano Proficiency
3. Theory Proficiency
4. Upper Level Competency Review (ULCR)
5. For transfer students, 31 semester credit hours in Music (or equivalents) may be transferred from a Texas public institution of higher education for the Music Field of Study and be applied to the Bachelor of Music degree with a major in Performance at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. Transfer students may not reach the 36 advanced hours required in the degree without taking additional coursework. See your academic advisor for details. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
MU 1315	Music Theory I	3
TCCN: MUSI 1311		
MU 1316	Music Theory II	3
TCCN: MUSI 1312		
MU 2315	Music Theory III	3
TCCN: MUSI 2311		
MU 2316	Music Theory IV	3
TCCN: MUSI 2312		
MU 1115	Aural Skills I	1
TCCN: MUSI 1116		
MU 1116	Aural Skills II	1
TCCN: MUSI 1117		
MU 2115	Aural Skills III	1
TCCN: MUSI 2116		
MU 2116	Aural Skills IV	1
TCCN: MUSI 2117		
MU 2303	Survey of Music Literature	3
TCCN: MUSI 1307		
4 semester credit hours of Ensembles from the following: MUSE 3124, MUSE 3125, MUSE 3140, MUSE 3141 and MUSE 3170		4
TCCN: 4 hours from MUEN 11XX and 21XX		
8 semester credit hours of Applied Study from the following: MUSP 1230 and MUSP 2230		8
TCCN: 8 hours from MUAP 11XX, 12XX, 21XX and 22XX		
Total Hours		31

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
MU 1000	0	MU 1000	0
MU 1150	1	MU 1116	1
MU 1115	1	MU 1316	3
MU 1315	3	Select one from the following:	1
Select one from the following:	1	MUSE 3124	
MUSE 3124		MUSE 3125	
MUSE 3125		MUSE 3140	
MUSE 3140		MUSE 3141	
MUSE 3141		Select one from the following:	1
Select one from the following:	1	MUSP 1120	
MUSP 1120		MUSP 1130	
MUSP 1130		MUSP 1140	
MUSP 1140		MUSP 1150	
MUSP 1150		MUSP 1160	
MUSP 1160		MUSP 1170	
MUSP 1170		MUSP 1230	2
MUSP 1230	2	COMM 1310 (Component Area Option Code 090/091)	3
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020	3		
US 1100	1		
	16		14

Sophomore

Fall Semester	Hours	Spring Semester	Hours
MU 2000	0	MU 2000	0
MU 2104	1	MU 2116	1
MU 2115	1	MU 2316	3
MUSE 3170	1	MUSE 3170	1
MU 2315	3	Select one of the following:	1

Select one from the following:	1	MUSP 1120	
MUSP 1120		MUSP 1130	
MUSP 1130		MUSP 1140	
MUSP 1140		MUSP 1150	
MUSP 1150		MUSP 1160	
MUSP 1160		MUSP 1170	
MUSP 1170		MUSP 2230	2
MUSP 2230	2	HIST 1320 (American History Component Code 060)	3
HIST 1310 (American History Component Code 060)	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
ENG Literature (Component Area Option Code 090/094)	3		
	15		14

Junior			
Fall Semester	Hours	Spring Semester	Hours
MU 3000	0	MU 3000	0
MU 3207 or 3208	2	MU 3050	0
MU 3315	3	MU 3316	3
Select one of the following:	2	Select one of the following:	3
MU 4264 or 4265		MU 4330	
MUSE 3170	1	MU 4332	
MUSP 3230 & MUSP 3130	3	MU 4334	
Life & Physical Science Component Code 030	3	MU 4336	
POSI 2310	3	MUSE 3170	1
		MUSP 3230 & MUSP 3130	3
		Life & Physical Sciences Component Code 030	3
		POSI 2320 (Government/ Political Science Component Code 070)	3
	17		16

Senior			
Fall Semester	Hours	Spring Semester	Hours
MU 3317	3	MU 3318	3
Select one of the following:	2	MU 4050	0
MU 4264 or 4265		MU 4185	1
Select one of the following:	3	MU 4263	2
MU 4330		MUSE 3170	1
MU 4332		MUSP 4230	2
MU 4334		MUSP 4130	1
MU 4336		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MUSE 3170	1		
MUSP 4230	2		
MUSP 4130	1		
Social & Behavioral Sciences Component Code 080	3		
	15		13

Total Hours: 120

Bachelor of Music (B.M.) Major in Performance (Vocal Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. All students in the School of Music require admission to the university and admission to the program. For audition guidelines and requirements, prospective undergraduate students should visit: http://www.music.txstate.edu/prospectivestudents/BecomingaMusicMajor.html
2. Students wanting to enter the music program as a music major (B.A., B.M., B.S. degrees) must submit an online application and audition on their principal instrument or voice the semester before their desired entrance.
3. Admission to the School of Music is contingent upon admission to Texas State, successful completion of the audition process, and available space in each studio. Moreover, a successful audition does not automatically ensure acceptance to the School of Music. Transfer students' transcripts will be evaluated by an academic advisor prior to an acceptance decision to ensure that acceptance and successful degree plan completion are possible here at Texas State. Prospective music students will not be permitted to enroll in applied music and other music major classes until they have been accepted based on their audition and met with an academic advisor. Auditions are held periodically throughout the year for enrollment the following academic year. Those prospective music students unable to audition in person due to geographic distance from campus may submit an audio or video recording representative of their performing abilities that meet the audition guidelines for their instrument or voice. The deadline to submit a recorded audition is March 1 (for Fall admission) or November 1 (for Spring admission). Audition requirements are available on the School of Music website.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Piano Proficiency
3. Theory Proficiency
4. Upper Level Competency Review (ULCR)
5. For transfer students, 31 semester credit hours in Music (or equivalents) may be transferred from a Texas public institution of higher education for the Music Field of Study and be applied to the Bachelor of Music degree with a major in Performance at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas

Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
MU 1315	Music Theory I	3
TCCN: MUSI 1311		
MU 1316	Music Theory II	3
TCCN: MUSI 1312		
MU 2315	Music Theory III	3
TCCN: MUSI 2311		
MU 2316	Music Theory IV	3
TCCN: MUSI 2312		
MU 1115	Aural Skills I	1
TCCN: MUSI 1116		
MU 1116	Aural Skills II	1
TCCN: MUSI 1117		
MU 2115	Aural Skills III	1
TCCN: MUSI 2116		
MU 2116	Aural Skills IV	1
TCCN: MUSI 2117		
MU 2303	Survey of Music Literature	3
TCCN: MUSI 1307		
4 semester credit hours of Ensembles from the following: MUSE 3124, MUSE 3125, MUSE 3140 and MUSE 3141		4
TCCN: 4 hours from MUEN 11XX and 21XX		
8 semester credit hours of Applied Study from the following: MUSP 1220 and MUSP 2220		8
TCCN: 8 hours from MUAP 11XX, 12XX, 21XX and 22XX		
Total Hours		31

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
MU 1000	0	MU 1000	0
MU 1150	1	MU 1116	1
MU 1115	1	MU 1316	3
MU 1315	3	Select one from the following:	1
Select one of the following:	1	MUSE 3124	
MUSE 3124		MUSE 3125	
MUSE 3125		MUSE 3140	
MUSE 3140		MUSE 3141	
MUSE 3141		MUSP 1136	1
MUSP 1135	1	MUSP 1220	2
MUSP 1220	2	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communication Component Code 010)	3	Select one of the following:	4
US 1100	1	FR 1410	
TH 1364	3	GER 1410	
		ITAL 1410	
	16		15

Sophomore

Fall Semester	Hours	Spring Semester	Hours
MU 2000	0	MU 2000	0
MU 3141	1	MU 3142	1
MU 2115	1	MU 2116	1
MU 2315	3	MU 2316	3
MUSE 3106 or 3107	1	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
MUSE 3140 or 3141	1	MUSE 3106 or 3107	1
MUSP 1137	1	MUSE 3140 or 3141	1
MUSP 2220	2	MUSP 1138	1
Select one of the following:	4	MUSP 2220	2
FR 1420		HIST 1310 (American History Component Code 060)	3
GER 1420			
ITAL 1420			
Mathematics Component Code 020	3		
	17		16

Junior

Fall Semester	Hours	Spring Semester	Hours
MU 3000	0	MU 3000	0
MU 3208	2	MU 3050	0
MU 3315	3	MU 3316	3
MUSE 3109	1	MU 4259	2
MUSE 3140 or 3141	1	MUSE 3140 or 3141	1
MUSP 3220	2	MUSP 3220	2
HIST 1320 (American History Component Code 060)	3	Life & Physical Sciences Component Code 030	3
POSI 2310 (Government/ Political Science Component Code 070)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
	15		14

Senior

Fall Semester	Hours	Spring Semester	Hours
MU 3317	3	MU 4050	0
MU 4257	2	MU 4185	1
MUSE 3099	0	MU 4259	2
MUSP 4220	2	MUSE 3099	0
Life & Physical Sciences Component Code 030	3	MUSP 4220	2
Social & Behavioral Sciences Component Code 080	3	COMM 1310 (Component Area Option Code 090/091)	3
		ENG Literature (Component Area Option Code 090/094)	3
		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	13		14

Total Hours: 120

Bachelor of Science (B.S.) Major in Sound Recording Technology

Minimum required: 120 semester credit hours

Admission Requirements

1. All majors in the School of Music require admission to the university and admission to the program. For audition guidelines and requirements, prospective undergraduate students should visit: http://www.music.txstate.edu/prospectivestudents/BecomingaMusicMajor.html
2. Students interested in the Sound Recording Technology major must complete an additional application, submit materials for pre-screening (see www.txstate.edu/music/srt (http://www.txstate.edu/music/srt) for details), and interview.
3. Students wanting to enter the music program as a music major (B.A., B.M., B.S. degrees) must submit an online application and audition on their principal instrument or voice the semester before their desired entrance.
4. Students interested in the Sound Recording Technology major must complete an additional application, submit materials for pre-screening (see www.txstate.edu/music/srt (http://www.txstate.edu/music/srt) for details), and interview.
5. Admission to the School of Music is contingent upon admission to Texas State, successful completion of the audition process, and available space in each studio. Moreover, a successful audition does not automatically ensure acceptance to the School of Music. Transfer students' transcripts will be evaluated by an academic advisor prior to an acceptance decision to ensure that acceptance and successful degree plan completion are possible here at Texas State. Prospective music majors will not be permitted to enroll in applied music and other music major classes until they have been accepted based on their audition and met with an academic advisor. Auditions are held periodically throughout the year for enrollment the following academic year. Those prospective music students unable to audition in person due to geographic distance from campus may submit an audio or video recording representative of their performing abilities that meet the audition guidelines for their instrument or voice. The deadline to submit a recorded audition is March 1 (for Fall admission) or November 1 (for Spring admission). Audition requirements are available on the School of Music website.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Upper Level Competency Review (ULCR)
3. Senior Portfolio Review
4. For transfer students, 31 semester credit hours in Music (or equivalents) may be transferred from a Texas public institution of higher education for the Music Field of Study and be applied to the Bachelor of Science degree with a major in Sound Recording Technology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. Transfer students may not reach the 36 advanced hours required in the degree without taking additional coursework. See your academic advisor for details. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
MU 1315	Music Theory I	3
TCCN: MUSI 1311		
MU 1316	Music Theory II	3
TCCN: MUSI 1312		
MU 2315	Music Theory III	3
TCCN: MUSI 2311		
MU 2316	Music Theory IV	3
TCCN: MUSI 2312		
MU 1115	Aural Skills I	1
TCCN: MUSI 1116		
MU 1116	Aural Skills II	1
TCCN: MUSI 1117		
MU 2115	Aural Skills III	1
TCCN: MUSI 2116		
MU 2116	Aural Skills IV	1
TCCN: MUSI 2117		
MU 2303	Survey of Music Literature	3
TCCN: MUSI 1307		
4 semester credit hours of Ensembles from the following: MUSE 3102, MUSE 3103, MUSE 3105, MUSE 3108, MUSE 3120, MUSE 3123, MUSE 3124, MUSE 3125, MUSE 3130, MUSE 3131, MUSE 3140, MUSE 3141, MUSE 3150, MUSE 3160, MUSE 3161, MUSE 3162, MUSE 3170 and MUSE 3190		4
TCCN: 4 hours from MUEN 11XX and 21XX		
8 semester credit hours of Applied Study from the following: MUSP 1220, MUSP 1230, MUSP 1240, MUSP 1250, MUSP 1260, MUSP 1170 (2 sections) or MUSP 1270, MUSP 2220, MUSP 2230, MUSP 2240, MUSP 2250, MUSP 2260, and MUSP 2170 (2 sections) or MUSP 2270		8
TCCN: 8 hours from MUAP 11XX, 12XX, 21XX and 22XX		
Total Hours		31

Course Requirements

Freshman			
Fall Semester	Hours	Spring Semester	Hours
MU 1115	1	MU 1116	1
MU 1315	3	MU 1316	3
MUSP 12xx	2	MUSP 12xx	2
MUSE 31xx	1	MUSE 31xx	1
MUSP 1135	1	MUSP 1136	1
MU 1180	1	MU 1182	1
US 1100	1	ENG 1310 (Communication Component Code 010)	3
PHYS 1315 (Life & Physical Sciences Component Code 030)	3	PHYS 1325 (Life & Physical Sciences Component Code 030)	3

PHYS 1115	1	PHYS 1125	1
MATH 2417 (Mathematics Component Code 020)	4	MUSP 2191	1
	18		17

Sophomore

Fall Semester	Hours	Spring Semester	Hours
MU 2115	1	MU 2182	1
MU 2315	3	MUSP 22xx	2
MU 2180	1	MUSE 31xx	1
MUSP 22xx	2	MU 3382	3
MUSE 31xx	1	MUSP 3191	1
MU 3381	3	ENG 1320 (Communication Component Code 010)	3
MUSP 2192	1	COMM 1310 (Component Area Option Code 090/091)	3
TECH 2370	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	15		17

Junior

Fall Semester	Hours	Spring Semester	Hours
MU 2303	3	MU 3384	3
MU 3383	3	MU 3182	1
MU 3180	1	MU 4182	1
MUSP 3192	1	TECH 3370	3
TECH 4372	3	POSI 2320 (Government/ Political Science Component Code 070)	3
HIST 1310 (American History Component Code 060)	3	HIST 1320 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	PHYS 3301	3
	17		17

Senior

Fall Semester	Hours	Spring Semester	Hours
MU 4180	1	MU 4386	3
MU 4385	3		
TECH 4374	3		
ENG Literature (Component Area Option Code 090/094)	3		
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3		
Social & Behavioral Sciences Component Code 080	3		
	16		3

Total Hours: 120

Minor in Jazz

The minor in Jazz requires 18 semester credit hours. The Jazz minor is available only to students in the program for Bachelor of Music degree with a major in Music Studies.

Code	Title	Hours
Required Courses		
MU 3233	Jazz Theory and Improvisation I	2
MU 3234	Jazz Theory and Improvisation II	2
MU 3375	History of Jazz	3
MU 4245	Jazz Composition and Arranging	2
MU 4343	Jazz Pedagogy	3
MUSE 3127	Jazz Combo	1
MUSP 3131	Jazz Piano Techniques I	1
Choose 4 hours from the following: [1]		4
MUSE 3160	Jazz Ensemble	
MUSE 3161	Jazz Ensemble	
MUSE 3162	Jazz Lab Band	
MUSE 3105	VocaLibre	
Total Hours		18

[1] MUSE 3105 is an acceptable ensemble for vocalists only.

Minor in Mariachi

The minor in Mariachi requires 18 semester credit hours. The Mariachi minor is available only to students in the Bachelor of Music degree with a major in Music Studies. Students must complete all four of the applied music hours on the primary instrument they play in the mariachi ensemble.

Code	Title	Hours
Required Courses		
MU 4157	Mariachi Ensemble Teaching Lab (Take 2 times)	2
MUSE 3103	Texas State Mariachi (Take 6 times)	6
MUSE 3028	Latin Music Studies Seminar (Take 6 times)	0
Choose 4 hours from the following: [1]		4
MUSP 4164	Mariachi Melodia Techniques (Take up to 3 times)	
MUSP 4165	Mariachi Armonia Techniques (Take up to 2 times)	
Electives		
Choose 6 hours from the following:		6
MU 3318	World Musics	
LATS 2300	Introduction to Latina/o Studies	
LATS 4325	Latina/o Identities, Communities and Social Change	
Total Hours		18

[1] The 4 credit hours includes one credit hour of MUSP 4164 and then 3 additional credit hours of MUSP 4164 or MUSP 4165 that are NOT your primary instrument.

Minor in Music

The minor in Music requires 18 semester credit hours.

Code	Title	Hours
Required Courses		
MU 1312	Essential Musicianship	3
MU 2303	Survey of Music Literature	3
Choose 3 hours from the following:		3
MU 3308	History of Rock Music	
MU 3318	World Musics	
MU 3375	History of Jazz	
MU 3380A	Women in Jazz	
MU 3380B	Music and Film	
MU 3380C	Rock Harmony	
MU 3380D	History of Blues	
Choose 6 hours from the following:		6
Any MUSE course		
Any MUSP course (with Departmental Approval)		
MU 3310	Guitar Class II	
or MU 4310	Guitar Class III: Rock, Country, Blues	
or MU 4312	Guitar Class IV: Rock, Country, Blues	
Elective		
Choose 3 hours of advanced (3000 or 4000 level) music courses [1]		3
Total Hours		18

[1] Not including MU 3315, MU 3316, and MU 3317.

Minor in Music Composition

The minor in Music Composition requires 18 semester credit hours. The Music Composition minor is available only to students in the program for Bachelor of Music major in Music Studies, Bachelor of Music major in Performance, or for Bachelor of Science major in Sound Recording Technology.

Code	Title	Hours
Required Courses		
MU 3050	Junior Recital	0
MU 4334	Orchestration [1]	3
MU 4336	18th-Century Counterpoint [1]	3
MUSP 1180	Introduction to Composition	1
MUSP 1280	Applied Composition	2
MUSP 2280	Applied Composition (Taken 2 times)	4
MUSP 3280	Applied Composition	2
Electives		
Choose 3 hours from the following:		3
MU 3318	World Musics [2]	
MU 3380B	Music and Film	
MU 4330	Form and Analysis	
MU 4332	Contemporary Analytic Techniques	
MUSP 1137	Piano Techniques III [2]	
MUSP 1138	Piano Techniques IV [2]	
MUSP 2191	Electronic Music I	
Total Hours		18

[1] These courses are required Advanced Theory. However, if a student uses those courses to count towards their bachelor's degree requirements, MU 4330, MU 4332, and/or MU 3380B may count towards their required courses for the minor.

[2] These courses may only count towards the composition minor if the student's bachelor's degree does not require the courses for degree completion.

Minor in Opera

The minor in Opera requires 20 semester credit hours. The Opera minor is available only to students in the Bachelor of Music degree with a major in Performance (Vocal Concentration).

Code	Title	Hours
Required Courses		
MUSE 3107	Opera Theatre (Take 2 times)	2
TH 1365	Intermediate Acting	3
TH 2330	Stagecraft and Stage Lighting	3
TH 3360	Beginning Stage Combat	3
MUSE 3009	Opera Production (Take 2 times)	0
Choose 4 hours from the following: [1]		4
FR 1410	Beginning French I	
GER 1410	Beginning German I	
ITAL 1410	Beginning Italian I	
Choose TWO of the following courses:		2
DAN 1160	Beginning Jazz	
DAN 2161	Intermediate Jazz [2]	
DAN 1170	Beginning Recreational Dance	
DAN 1180	Beginning Ballet	
DAN 2181	Intermediate Ballet [2]	
DAN 1190	Beginning Modern Dance	
DAN 2191	Intermediate Modern Dance [2]	
Choose ONE of the following:		3
TH 3330	Advanced Stagecraft	
TH 3343	Stage Makeup	
TH 3344	Costume Stagecraft	
TH 3338	Stage Lighting	
TH 4334	Stage Management	
Total Hours		20

[1] The language requirement for the Opera Minor is separate from, and in addition to, the requirement found in the Music Performance - Voice Concentration degree program.

[2] A student must make an "A" in the beginning level course, to be allowed to register for intermediate level courses.

Department of Theatre and Dance

Theatre Center Room 101
Telephone: 512-245-2147 Fax: 512-245-8440
www.theatreanddance.txstate.edu (http://www.theatreanddance.txstate.edu)

The Department of Theatre and Dance provides classroom instruction and hands-on participation in the performance and production aspects of theatre, dance, film, television and web video.

All theatre majors take a sixteen hour core curriculum in the discipline, and then specialize in acting, technical production, performance and production, musical theatre, film, or teacher certification. Graduates work as teachers, actors, designers, writers, producers, directors, and technicians. Some pursue advanced degrees, receiving additional training for a professional career or preparing to teach at the college or university level.

Texas State's dance program prepares professional performers and choreographers and certifies teachers for the public schools. Students explore multiple genres of dance, learning to contextualize theory and practice in educational, professional, and community settings. The curriculum emphasizes the role of dance as catalyst for artistic expression and a means for developing a global perspective. Graduates work in public and private schools, private studios, and professional dance groups. Some have gone on to pursue advanced degrees, receiving additional training for the profession or preparing to teach at the college or university level.

Admissions Requirements

1. Admission to the B.F.A. major in Theatre with an emphasis in Acting is highly competitive and based on an audition/interview with members of the B.F.A. Acting Program faculty. Prospective students audition during their senior year of high school. This is a four-year sequential curriculum and transfer students are not accepted unless specially invited by the B.F.A.Acting faculty. Students in the program are always on probation; their work and progress are formally evaluated by faculty annually. Students must maintain a minimum GPA of 2.5.
2. Admission to the B.F.A. major in Theatre with an emphasis in Technical Production is based on successful completion (with a grade of C or better) in TH 1350 Introduction to Theatrical Design and in TH 2330 Stagecraft and Stage Lighting. Upon successful completion of these two courses, the student will be allowed to enroll in TH 3390 BFA Pre-Professional Apprenticeship I and, in some cases, may be concurrently enrolled in TH 2330 and TH 3390. Students in the program will be evaluated after each semester by Technical Production faculty and staff to assess progress and determine continuation in the program. Students must maintain a minimum GPA of 2.5.
3. Admission to the B.F.A. major in Musical Theatre is highly competitive and based on an audition/interview with members of the B.F.A. Musical Theatre Program faculty. Prospective students generally audition during their senior year of high school. Interested transfer students must contact the Head of Musical Theatre to see if there are any available slots in their class level; typically, students transferring into the program require four years at Texas State to complete their degree. Students in the program are always on probation, with their work and progress continually evaluated. Students must maintain a minimum GPA of 2.8.
4. Admission to the B.F.A. major in Dance is based on an audition in either the fall or spring semester prior to the year of admittance. Students in the program are always on probation, with their work and progress continually evaluated. There is a formal review at the end of the sophomore year that determines whether each student may advance to the upper-level training. Transfer students will be reviewed at the end of their first long semester. Students will be expected to maintain appropriate artistic and academic standards at the discretion of the Dance faculty.
5. Teacher certification majors in theatre and dance must maintain a GPA of 2.75. Students who fail to do so will be advised into another program. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

Bachelor of Arts (B.A.)

- Major in Dance (p. 385)
- Major in Theatre (p. 386)

Bachelor of Fine Arts (B.F.A.)

- Major in Dance (Performance and Choreography Concentration) (p. 387)
- Major in Dance (Single Field Teacher Certification in Dance, Grades 8-12) (p. 388)
- Major in Dance (Two Fields Teacher Certification in Dance, Grades 8-12) (p. 389)
- Major in Musical Theatre (p. 391)
- Major in Theatre (Acting Pre-Professional Concentration) (p. 392)
- Major in Theatre (Film Production Concentration) (p. 393)
- Major in Theatre (Performance and Production Pre-Professional Concentration) (p. 394)
- Major in Theatre (Teacher Certification in Theatre, Early Childhood Through Grade 12) (p. 395)
- Major in Theatre (Technical Production Concentration) (p. 396)

Minors

- Theatre

Subjects included in this department: DAN (p. 370), TH (p. 374)

Courses in Dance (DAN)

DAN 1113. Conditioning for Dancers.
Students in this course will study introductory body conditioning exercises and routines. Course content will include an introduction to and practical application of body conditioning methods, based on Laban Movement Analysis, Pilates, Aerobics, and Yoga techniques. Emphasis is placed on anatomical terminology and safe exercise.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 1114. Fitness and Wellness Activities.
The course is designed as a rehabilitative and physical improvement experience (body therapy) that is especially useful for dancers who have sustained injuries or want to avoid common dance injuries.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 1160. Beginning Jazz.
Beginning levels of jazz dance technique, including basic jazz walks and weight shifts, isolations, stretches, and dance combinations. Combinations are designed to challenge and enhance the students' knowledge of the various styles and "schools" of jazz dance and to develop performance and choreographic abilities in these styles.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DANC 1147

DAN 1170. Beginning Recreational Dance.
Recreational dance includes international folk dance, square dance, and ballroom dance. Students will learn specific dances from each of these styles and gain an understanding and appreciation of the role of dance in societies and culture. This course provides an opportunity for students to explore the elements of dance as a way to discover movement as an expressive medium. This course is also offered as PFW 1180J.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: DANC 1128

DAN 1180. Beginning Ballet.
Introduction to the basic technique and steps of the classical ballet. Basic barre exercises, basic positions, and traveling steps of the ballet movement vocabulary will be taught and practiced for mastery, singly and in combination. Students are expected to acquire beginning ballet skills.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DANC 1141

DAN 1190. Beginning Modern Dance.
Basic modern dance technique and movement vocabulary are introduced and practiced for mastery. Biomechanical principles and the elements of dance are introduced. Elementary choreographic experiences will be included.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DANC 1145

DAN 1212. Dance Appreciation.
This course familiarizes incoming students with Dance as an art form in numerous social, cultural, and professional contexts. It will introduce students to the artistic, philosophical, and cognitive implications of Dance, while examining a variety of dance-related careers.
2 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: DANC 2303

DAN 2160. Introduction to Hip Hop Dance.
This experiential course explores the history, development, and core elements of hip-hop dance culture through movement activities, assigned videos, and readings. Repeatable for credit with different emphasis.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 2161. Intermediate Jazz.
Intermediate levels of Jazz dance techniques include complex weight shifts, syncopations, coordinations, and isolation techniques. Exercise and floor combinations are designed to challenge and improve previously obtained motor skills and to enhance the knowledge of correct mechanics of dance as a performing art. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DANC 2247

DAN 2181. Intermediate Ballet.
Intermediate level ballet barre, center, position, and transitional patterns of the classical ballet will be introduced and practiced for mastery. Emphasis will be on quick mastery of simple to complex combinations of those patterns plus an understanding of the biomechanical basis of each pattern. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DANC 2241

DAN 2191. Intermediate Modern Dance.
Intermediate modern dance skills are introduced and practiced for mastery. Students are expected to learn and perform combinations with skill and artistry, demonstrating a working knowledge of biomechanics and performance techniques. Application of movement principles is emphasized. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 2201. Dance Composition I.
This course utilizes improvisation as a creative dance technique in designing new movements for choreography. Using current trends in improvisational materials, this course places emphasis on designing original movement, while facilitating students in maintaining aesthetic forms and developing artistic discrimination. Prerequisite: DAN 1190 or DAN 2191 or DAN 3292 any with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: DANC 1201

DAN 2202. Dance Composition II.
Basic principles of dance composition will be applied to solo choreography, emphasizing skilled use of space, dynamics, and rhythm to build artistic compositions. Exploration of crafting materials in authentic expression will be facilitated. Prerequisite: DAN 2201 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: DANC 1301

DAN 2210. Contact Improvisation.
Improvisational movement techniques that explore weight-sharing, non-verbal communication, sensory awareness, risk-taking, and physical and emotional trust. Students will gain the physical and perceptual skills to enhance performance in all areas of creative expression. Principles will be applied through movement training, discussion, and performance. Prerequisite: DAN 2191 or DAN 3292 either with a grade of "D" or better.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: DANC 1201

DAN 2313. Introduction to Fine Arts.
An introductory course designed to give the student a fundamental understanding of the creation and appreciation of diverse modes of expression through the visual and performing arts. This course may not be repeated for credit by taking ART 2313 or MU 2313 or TH 2313.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050
Grade Mode: Standard Letter
TCCN: HUMA 1315

DAN 2365. Creative Movement for Children.
Emphasis on rhythmical movement exploration and using creative movement as both an art form and as a teaching tool. Through class activities, students will develop effective facilitator skills and incorporate innovative strategies for teaching traditional material in non-traditional ways. Prerequisite: DAN 2201 and [DAN 1190 or DAN 2191 or DAN 3292] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

DAN 2367. Dance Performance Workshop.
This course is designed to give the dance student experience in learning and performing varied styles of dance choreography. Established dance works and experimental works will be included in order to develop a professional-level ability to learn, remember and perform a wide repertory of choreography. Prerequisite: Instructor approval.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 2368. World Dance and Cultures.
World Dance and Cultures exposes students to the varied and rich traditions of dance in a wide range of historical and cultural contexts. Through lectures, group discussions, video analysis, live performance, movement exploration, and writing projects, students develop a broad appreciation of dance that encompasses a variety of dance practices.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
TCCN: DANC 1305

DAN 3111. Dance Activities.
This course is designed to provide credit for participation in dance activities. It typically involves working on a departmental production. May be repeated with different emphasis. Prerequisite: Instructor Approval.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3152. Musical Theatre Tap II.
This class expands on skills covered in Musical Theater Tap I. Basic steps are perfected and more difficult steps and combinations are learned. Longer sequences set to musical theatre music are mastered, and attention is given to ensemble work, rhythmic variations, and performance skills. Prerequisite: DAN 3151 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3160. Intermediate Hip Hop Technique.
The intermediate level of Hip Hop dance technique includes complex weight shifts, quick direction changes, coordination of body parts, and rhythmic accuracy. Exercises and floor combinations are designed to challenge and improve motor skills, and to enhance the knowledge and practice of the correct mechanics of the form. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3162. Advanced Jazz.
Advanced levels of jazz dance technique include more complex coordinations and combinations, requiring increased levels of technique, strength and flexibility. Emphasis is on developing ability to quickly master increasingly challenging choreography, while continuing to develop new skills. There is a continuing emphasis on bio-mechanics and choreography. Prerequisite: Instructor Approval.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3171. Musical Theatre Dance I.
This course involves the study of dance as it applies to musical theatre performance. It covers some of the styles that make up musical theatre including character dancing, the Charleston, and various ballroom dances. Prerequisite: DAN 2181 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3182. Advanced Ballet.
This course is an introduction of the advanced concepts and principles of classical ballet. The class is designed to develop proper alignment, strength, flexibility, coordination and musicality. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3292. Advanced Modern Dance.
Advanced modern dance skills are introduced and practiced for mastery. Students are expected to learn and perform increasingly complex combinations with skill and artistry, demonstrating a mastery of bio-mechanical principles and performance. Dance majors and minors are expected to develop a high level of skill in this dance genre. Prerequisite: Instructor Approval.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3330. Dance Curriculum Development.
This course builds on a requisite knowledge of basic educational theory and lesson plan structure with an emphasis on developing and implementing a successful dance curriculum. Practical and effective strategies for teaching middle school and high school dance will be examined. Prerequisites: [DAN 1160 or DAN 2161 or DAN 3162] and [DAN 1180 or DAN 2181 or DAN 3182] and [DAN 1190 or DAN 2191 or DAN 3292] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

DAN 3331. Theory and Practice of Teaching Dance.
This course is an introduction to child/adolescent development as it applies to the teaching of codified dance techniques. Students will create age appropriate lesson plans in Modern Dance, Ballet, and Jazz. Special attention is paid to the role of the teacher in the private studio dance setting. Prerequisite: [DAN 2161 or DAN 3162] and [DAN 2181 or DAN 3182] and [DAN 2191 or DAN 3292] all with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

DAN 3332. Dance Concert Production.
This course is designed to develop skills required to plan and execute dance concerts in standard educational institutions, as well as professional venues. The course will include an introduction to technical theatre and design concepts for performance: lighting, stage management, make-up, costuming, and music selection.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DAN 3340. Dance Touring Ensemble.
Learning and performing dances from the repertory of current faculty members, artists-in-residence, and from the repertory of historic modern dancers. Dances performed locally and regionally. Enrollment by audition only. May be repeated for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3345. Video Dance.
The class is geared particularly towards dance makers and principally towards dance majors. The central objective is to enable the participants to create choreographic work for the camera, through the analysis and discussions of a selection of screenings as well as through hands-on work. Collaboration and cooperation is encouraged throughout the process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3350. Dance Team Directing.
Develop skills required to direct a performing dance team. Topics include choreography, administrative organization, public relations and communication skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

DAN 3365. Rhythmic Structure of Movement.
The structural analysis of basic and complex dance movements, their inherent rhythmic configuration. Understanding of movement and its rhythmic structure and correction of movement errors. Practical experience in percussion accompaniment of these movements will be emphasized. Prerequisites: DAN 2202 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

DAN 3366. Laban/Bartenieff Movement Analysis.
Labanotation Theory & practice of the Laban Effort-Shape Movement System and its application toward creative expression. Theory and practice of Bartenieff Fundamentals, a movement training which patterns efficient connectivity in the body with emphasis on full psychophysical involvement in personal expression. Basic skill in reading and writing Labanotation will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DAN 3370. Dance Composition III.
Opportunity for students to increase knowledge and understanding of dance composition elements as they relate to group forms, theme, development, and phrase manipulation. Prerequisites: DAN 2202 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

DAN 3390. Dance in the Community.
This course combines community service (creating dance for or with non-profit community organizations that serve at-risk populations) with readings, discussions, and collaboration on societal applications of performing arts. May be repeated once for credit when topics vary.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 4171. Musical Theatre Dance III: Pre 1970s Choreography.
This course provides an examination of the history and development of musical theatre dance styles, including an in-depth study of significant works of choreographers before 1970, from Agnes DeMille to Jerome Robbins. Prerequisite: DAN 3172 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 4172. Musical Theatre Dance IV: Post 1970s Choreography.
This course provides an examination of the history and development of musical theatre dance styles, including an in-depth study of significant works of choreographers after 1970, including Bob Fosse, Michael Bennett, Ann Reinking, and Susan Stroman. Prerequisite: DAN 4171 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 4292. Advanced Principles.
Students analyze and perform advanced principles based in dance technique, and somatic approaches to dance training. Students develop a high level of conceptual mastery and physical skill for their teaching and performing preparation. May be repeated once for credit. Prerequisite: DAN 3292 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 4330. Dance Kinesiology.
This course is an experiential study of the human body in rest and in motion. Emphasis will be on the skeletal and muscular systems in consideration of applications to dance performance, teaching and creative processes, and injury prevention and rehabilitation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DAN 4334B. Choreographic Influences in Dance.
The purpose of this course is to investigate how many single important dancers, particular school or movements in dance, artistic and technological developments and political, sociological and other world events have shaped choreographic trends in dance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DAN 4350. Musical Concepts for Dance Performance.
Provides dance majors with a working knowledge of the essential vocabulary of music-rhythm, melody, form and harmony, together with an overview of musical styles throughout both time and geography.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DAN 4360. Dance Independent Study.
Designed to give supervised experience to qualified advanced students in dance. Independent study on research problems or actual production problems may be chosen. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 4366. Writing and Reading About Dance.
Surveys dance literature including an opportunity for students to familiarize themselves with resources, current publications, theoretical materials, and professional organizations in dance. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

DAN 4367. Advanced Choreography: Theory and Practice.
Students will choreograph, costume, and design lights for a group dance of substantial length, justifying artistic choices in an accompanying documented paper. The results of this course will be a senior dance concert. May be repeated once for credit. New material will be covered each time taught. Prerequisite: DAN 2202 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 4369. Dance in the 20th and 21st Centuries.
Exposure to a wide variety of literature in the area of dance, the arts and sciences which specifically address the development of dance as an art-form and cultural phenomena in the 20th and 21st Centuries. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

DAN 4370. Contemporary Issues in Dance.
This upper-level theory course is designed to provide opportunities to investigate the current moment in contemporary concert dance. Current trends in choreography will be explored in a variety of genres. Culturally relevant themes of gender, sexuality, social justice, commercialism, racism, and beauty will be examined. Prerequisite: DAN 4366 or DAN 4369.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

DAN 4380. Professional Development for Dancers.
This course will prepare students to work as professionals in the field of Dance. They will learn the skills necessary to create a Dance-specific resume and portfolio for use upon graduation, to seek and secure employment, and seek funding for Dance projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DAN 4470. BFA Senior Concert.
A course that provides a practical opportunity to choreograph, perform, and produce a dance concert. Students will engage in the creative, administrative, and promotional aspects of production. Students will also compile a thesis booklet. Prerequisites: DAN 3292 and DAN 3370 both with grades of "D" or better.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 4471. Dance Internship.
This course provides professional hands-on experience in the dance industry and is intended for students who do a full-time internship over the summer or during a regular full semester. Prerequisite: Instructor approval.
4 Credit Hours. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

Courses in Theatre (TH)

TH 1111. Production Crew.
This course provides students with vital production experience in the operation of a live theatrical event.
1 Credit Hour. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 1121. Musical Theatre Singing Technique I.
This course in vocal instruction focuses on technique, musicality and performance for the Musical Theatre performer.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1122. Musical Theatre Singing Technique II.
This course in vocal instruction continues the work done in TH 1121 and focuses on technique, musicality and performance for the Musical Theatre performer. Prerequisite: TH 1121 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1160. Musical Theatre Jazz I.
This course focuses on beginning jazz dance technique for Musical Theatre students including jazz walks, weight shifts, isolations, stretches, and combinations. Combinations are designed to challenge and enhance the students' knowledge of the various styles and methodologies of jazz dance and to develop performance and choreographic abilities in these styles.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1180. Musical Theatre Ballet I.
This course introduces the basic technique and steps of classical ballet to Musical Theatre students. Basic barre exercises, positions and traveling steps of the ballet movement vocabulary will be taught and practiced for mastery. Students will also gain an understanding of ballet as a performing art.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1210. Introduction to Musical Theatre.
This course focuses on foundations for training for a professional career in musical theatre, with particular emphasis on interview and audition skills.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1211. Introduction to Musical Theatre II.
This class continues the foundational work established in TH 1210 Introduction to Musical Theatre. It further develops the interview and audition skills necessary for a professional career in musical theatre. Prerequisite: TH 1210 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1312. Musical Theatre Musicianship I.
This course offers detailed instruction in fundamentals of musicianship for the Musical Theatre performer, including notation, meters, scales, key signatures, intervals, chords, and sight singing. Equal emphasis is placed on practical skills and theoretical analysis of the musical theatre canon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1314. Musical Theatre Musicianship II.
This course offers continued practice of the essential elements of musicianship for the Musical Theatre performer including higher levels of ear training and sight-singing. Equal emphasis is placed on practical skills and theoretical analysis of the Musical Theatre canon. Prerequisite: TH 1312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1340. Voice and Diction.
The human voice and the sounds of speech. The student's own voice and pronunciation will be the primary concern, using practice sessions to develop more acceptable patterns of voice and sound.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DRAM 2336

TH 1345. Beginning Voice.
This course teaches basic principles of vocal production and its anatomy, including vocal variety and instinctual choice. It emphasizes proper vocal support, range, flexibility and health.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1350. Introduction to Theatrical Design.
Course introduces the freshman theatre major to the four primary areas of theatrical design: costume design, scenic design, sound design, and lighting design. Each area's practice is explored and analyzed through a series of exercises that incorporate design projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1353. Film Production Practices.
This course provides an introduction to the art and practice of filmmaking. Students analyze the components of a film and examines the tools of filmmaking, including the camera, script, sound equipment, and editing software.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1354. Movement I.
Creative movement for the theatre. Designed to stimulate the actor's body to increase flexibility and the kinetic response to environmental stimulus through exercise and research into the physical process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: DRAM 1322

TH 1355. Movement II.
A continuation of Movement I and the exploration of kinesthetic response for the actor, using movement techniques in class performances and further research into the techniques of Alexander, Feldenkrais, and Laban. Prerequisite: TH 1354 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1364. Beginning Acting.
Beginning Acting. (2-1) Classroom exercises designed to explore and discover the actor's inner resources, and to develop the personal awareness of the student's imaginative potential. May be taken by non-majors independently.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: DRAM 1351

TH 1365. Intermediate Acting.
Intermediate Acting. (2-1) Classroom exercises designed to continue the exploration of the actor's inner resources; additional work on discovering techniques of developing a character. May be taken by non-majors independently. Prerequisite: TH 1364 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: DRAM 1352

TH 2111. Theatre Activities.
A course designed to provide credit for participation in theatre activities. May be repeated to a total of four credits.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DRAM 1120

TH 2161. Musical Theatre Jazz II.
This course focuses on intermediate jazz dance technique for Musical Theatre students including complex weight shifts, syncopations, coordination and isolation techniques. Exercise and floor combinations are designed to challenge and improve previously obtained motor skills and to enhance knowledge of correct mechanics of dance as a performing art. Prerequisite: TH 1160 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 2181. Musical Theatre Ballet II.
This course introduces intermediate technique and steps of classical ballet to Musical Theatre students. Intermediate barre exercises, positions and traveling steps of the ballet movement vocabulary will be taught and practiced for mastery. Students will also gain an understanding of ballet as a performing art. Prerequisite: TH 1180 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 2210. Intermediate Musical Theatre I.
This course focuses on intermediate interview and audition skills, intermediate personalizing the lyric skills, intermediate marketing skills,and basic scene study skills.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 2211. Intermediate Musical Theatre II.
This course focuses on intermediate musical theatre theory and analysis, acting through movement, and scene study of both period and contemporary musical theatre works.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 2313. Introduction to Fine Arts.
An introductory course designed to give the student a fundamental understanding of the creation and appreciation of diverse modes of expression through the visual and performing arts. This course may not be repeated for credit by taking ART 2313, DAN 2313, or MU 2313.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050
Grade Mode: Standard Letter
TCCN: HUMA 1315

TH 2330. Stagecraft and Stage Lighting.
This class teaches the facilities, tools, materials and techniques used to build scenery safely and effectively in the modern theatre. It also covers the facilities, tools, and techniques used to safely and effectively read a light plot, hang and focus stage lighting instruments. It includes a hands-on lab.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 2345. Experiencing Speech.
This class focuses on the understanding of and the ability to use speech articulators in order to allow full, healthy production of all the sounds made in human language. While breaking chronic speech patterns, it aims for full speech flexibility and ability to healthfully create any sound the character requires. Prerequisite: TH 1345 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 2354. Characterization.
A studio acting course in which the student explores and develops techniques of creating a role. Prerequisite: TH 1365 or equivalent with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: DRAM 2351

TH 2355. Introduction to Playwriting.
This course focuses on reading and analyzing contemporary plays, as well as short-form writing exercises, leading to the creation of original scenes. Students will read and deconstruct four contemporary plays as well as engage in various short-form writing exercises culminating in an original scene as their final creative project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3111. Theatre Activities.
This course is designed to provide credit for participation in theatre activities. It typically involves working on a departmental production. May be repeated for credit with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3120. Musical Theatre Singing Technique.
This course is for advanced, private study in musical theater singing technique. Via private instruction, students will study multiple areas of musical theatre singing technique including singing for the microphone, belting, placement, and diverse musical theater styles (pop, rock, Golden Age, contemporary musical theater, etc). Prerequisite: MUSP 1121 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3150. Pop Rock Repertoire Building.
This class develops repertoire and vocal styles in 12 pop/rock genres of music, preparing students for the current demands of the musical theatre industry, including building repertoire for their professional audition books. Prerequisite: TH 1211 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3151. Musical Theatre Tap I.
This class covers the basic steps of tap technique and how it applies to musical theatre. Students learn coordination, rhythmic variations, and performance skills through a series of tap combinations and exercises. They also explore the concepts of dancing as an ensemble. Prerequisite: TH 2161 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3152. Musical Theatre Tap II.
This class expands on skills covered in Musical Theater Tap 1. Basic steps are perfected and more difficult steps and combinations are learned. Longer sequences set to Musical Theatre and contemporary music are mastered, and attention is given to ensemble work, rhythmic variations, and performance skills. Prerequisite: TH 3151 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3162. Musical Theatre Jazz III.
This course focuses on advanced jazz dance technique for Musical Theatre students including complex coordination and combinations requiring increased levels of technique, strength and flexibility. Emphasis is on developing ability to quickly master challenging choreography while continuing to develop new skills. There is a continuing emphasis on biomechanics and choreography. Prerequisite: TH 2161 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3171. Musical Theatre Dance I.
This course involves the study of dance as it pertains to Musical Theatre performance. Along with technique fundamentals, students hone the skills necessary for effective character development, storytelling, and auditioning. The course also covers some styles that make up Musical Theatre including Traditional Broadway, Charleston, Hip-Hop, and various Ballroom dances. Prerequisite: TH 2181 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3172. Musical Theatre Dance II.
This course involves the study of dance, movement, and staging for Musical Theatre and culminates in student-choreographed works from Musical Theatre productions. It includes strategies for learning and performing dance combinations as they occur in professional dance auditions. It also explores styles such as Fosse, Contemporary, and Commercial Dance. Prerequisite: TH 3171 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3182. Musical Theatre Ballet III.
This course introduces advanced technique and steps of classical ballet to Musical Theatre students. Advanced barre exercises, positions and traveling steps of the ballet movement vocabulary will be taught and practiced for mastery. Students will also gain an understanding of ballet as a performing art. Prerequisite: TH 2181 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3305. Theatre in the Community.
This course combines community service (creating theatre for or with non-profit community organizations that serve at-risk populations) with readings, discussions, and collaboration on societal applications of performing arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3310. Intermediate Voice.
Continuing development of the fundamentals of voice and speech for the stage as well as exploring language and text. Practical application through assignments and in-class exercises. Prerequisite: TH 2345 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3320. History of the Theatre I.
A study of the theatre and its place in the social and cultural evolution from primitive civilization to 1700. Selected examples of theatre literature are studied. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

TH 3321. History of the Theatre II.
A study of the theatre and its place in the social and cultural evolution from 1700 to the present. Selected examples of theatre literature are studied. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

TH 3322. History of Musical Theatre.
Course examines the history of musical theatre, from its antecedents through its Golden Age to present-day issues. In the process students will study musical theatre's elements and structure, as well as its creators, including major librettists, composers, lyricists, designers, directors, choreographers, and performers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3330. Advanced Stagecraft.
This course covers the facilities, tools, materials, equipment and techniques used to safely produce, from a technical standpoint, live theatrical performances. The course includes woodworking, metal working, stage rigging, stage lighting, audio and, in general, good stage hand practices. Prerequisite: TH 2330 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3331. Theatrical Drafting: By Hand.
This course is a study of manual drafting techniques for theatrical designers and technicians. Prerequisite: TH 2330 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3332. Introduction to Stage Properties.
This course introduces students to the categories of theatrical properties, as well as the practices and processes of the theatrical Prop Master as they pertain to the execution of a collaborative production.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3333. Creating Comedy: Crafting Stand-Up, Sketch, and Improv.
This course breaks down the craft of writing comedy in various mediums and provides an understanding of the basic history of American comedy from the eras of Vaudeville to digital. In addition to studying the history of comedy, students will also develop their own jokes, stand-up material, sketches and podcasts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3337. Sound Design & Technology I.
This course provides an understanding of audio technology, the components of sound systems, and their application for live entertainment, including theatre and dance productions. This technical knowledge is the basis of the sound designer's skill set. Prerequisites: TH 1350 and TH 2330 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3338. Stage Lighting.
This course in stage lighting design assumes basic knowledge of lighting technology equivalent to that learned in TH 2330. This class encompasses research, observation, group discussion, and practical "hands-on" projects with emphasis on learning to see light and developing a common language for light and the lighting design process. Prerequisite: TH 2330 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3342. Television/Film Performance.
A practical laboratory course in television and film performance techniques, including procedures and requirements for professional engagements. May be repeated with different emphasis for additional credit. Prerequisite: TH 1364 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3343. Stage Makeup.
A practical course in developing techniques used in applying stage makeup. Emphasis is placed on painting, and contouring the face to achieve the desired effect. Special projects include fantasy makeup and mask making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3344. Costume Stagecraft.
A single semester introduction to garment production for the entertainment industry. Emphasis is placed on hand and machine stitching techniques, as well as an introduction to pattern drafting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 3346. Historical Costume Research.
Historical Costume Research. (3-2) A study of clothing, accessories, and customs of selected theatrical periods as an approach to costuming period plays.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3350. Technical Production.
This course provides hands-on experience to qualified advanced students in technical theatre utilizing a series of rotating topics. Selected topics may include stage rigging, sound systems, remote device management, technical direction and/or technical writing/drawing. May be repeated for credit with different emphasis. Prerequisite: TH 2330 with a grade of "D" or better instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3351. The Craft of the Stagehand in the Live Entertainment Industry.
The purpose of this course is to provide the student with proper training in the variety of skills that are needed in order to work professionally as a Stagehand in live entertainment performance venues across the United States and around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3352. Stage Rigging for the Live Entertainment Industry.
The purpose of this course is to provide the student with instruction and opportunity to become proficient with safely employing basic rigging techniques that are common in live performance venues throughout the United States. Prerequisite: TH 2330 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3355. Playwriting.
A study of play fundamentals (structure, dialogue, and mechanics), and guidance and discussion of representative plays.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3358. Screenwriting.
This course offers a comprehensive study of the art and craft of writing screenplays. During a semester of intensive writing, readings, script analysis, and critiques, writers complete assignments in storytelling, character, structure, and script development. Each writer completes a full-lenth screenplay as the capstone project for the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

TH 3359. Advanced Screenwriting.
This course focuses on the development of full-length screenplays. May be repeated for credit with different emphasis. Prerequisite: TH 3358 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3360. Beginning Stage Combat.
An introductory course in stage combat. A hands-on approach with emphasis placed upon actor safety, dramatic requirements of the script, and historical accuracy. Repeatable for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3361. Improvisation for the Actor.
This class develops the student's understanding of the fundamentals of improvisation as both a performance art and a rehearsal technique, expanding the actor's versatility and enhancing confidence in performance and communication skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3362. Singing for the Actor.
This course is an introduction to the dynamic world of musical theatre through song analysis and performance, class exercises for the body and the voice, as well as an initial look at both classic and contemporary musical theatre style, structure, and content. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3363. Stage Combat Stick Fighting.
This class covers Stick Fighting techniques from around the world and how to incorporate them safely into a play or film. Students learn safe handling and use of all types of fighting sticks including, but not limited to, European Quarterstaff, Japanese Bo-Staff, Irish cane fighting, and Philippino Arnise. Prerequisite: TH 3360 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3364. Acting Realism.
A studio course emphasizing the theories and methods of Stanislavsky in order to create characters in realistic drama. Prerequisite: TH 1365 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3365. Acting Styles.
This course focuses on the performance of non-realistic period plays, such as Greek, Shakespearean, and comedy of manners (Restoration and Georgian as well as plays by Moliere, Noel Coward, and Oscar Wilde). Prerequisite: TH 1365.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3367. Theory and Analysis.
A study of dramatic theory and play analysis for production, including the study of forms, styles, and methods. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

TH 3370. Creative Drama.
Emphasis on process drama theory and using creative drama as both an art form and as a teaching tool. Through class activities, students will develop effective facilitator skills and incorporate innovative strategies for teaching traditional material in non-traditional ways.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3375. Production Design for Film.
This course covers the structure and operation of an art department on a film production, as well as the fundamentals and application of production design for film and TV. Prerequisite: TH 3353.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3390. BFA Pre-Professional Apprenticeship I.
Intensive work in one of the following career paths: Acting, design, and theatre technologies, costuming.
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4120. Musical Theatre Singing Technique.
This course is for advanced, private study in musical theater singing technique. Via private instruction, students will study multiple areas of musical theatre singing technique including singing for the microphone, belting, placement, and diverse musical theater styles (pop, rock, Golden Age, contemporary musical theater, etc). Prerequisite: TH 3120 or TH 3220 either with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4171. Musical Theatre Dance III.
This course provides an examination of the history and development of Musical Theatre dance styles, including an in-depth study of significant works of choreographers, including Agnes de Mille, Jack Cole, Jerome Robbins, Bob Fosse, Michael Bennett, Susan Stroman, and Andy Blankenbuehler. Prerequisite: TH 2181 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4172. Musical Theatre Dance IV.
This course provides is an advanced Musical Theatre dance class that will focus on building advanced technical and performance skills as well as displaying competence in a variety of styles. Students will also develop partnering skills. Prerequisite: TH 4171 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4301. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry. May be repeated once for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4302. Contemporary Theatre Workshop.
This course examines some of the major plays, playwrights, themes and styles in contemporary theatre in the United States. Students will read, analyze, research, and perform in scenes from many different types of contemporary performance, including realism, musical theatre, classical adaptation, surrealism, and devised work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4303. Multicultural Perspectives in American Theatre.
This course explores the literature, history, and performance challenges of the many voices and perspectives that make up American Theatre. In addition to exposure to brief historical overviews, students will read key literary texts and perform monologues and scenes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4304. Web Series Creation.
This course focuses on the techniques of creating a web series, with an emphasis on script writing and development. It also includes fundamental knowledge of film production and web publication, including marketing and identifying a target audience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4305. Advanced Web Series Creation.
This course is a continuation of the Web Series Creation course and specifically focuses on production of a web series. Students will write, direct, and produce their own web series for publication on the internet. Prerequisite: TH 4304 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4310. Theatre Curriculum Development.
Course builds on a requisite knowledge of basic educational theory and lesson plan structure with an emphasis on developing and implementing a successful Theatre curriculum. Practical and effective strategies for teaching middle school and high school Theatre will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

TH 4311. Training the Teaching Artist.
A teaching artist is, by definition, a two-career professional: a working artist and a working educator. This course explores the artistic, teaching, and business aspects of working as a teaching artist. Students create a job portfolio and teach a short residency in a classroom setting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4320. Directing Theatre Activities.
Designed to assist any teacher in directing theatre activities. During the course, students will direct plays or scenes. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4321. The Art of Voiceover and Voice Acting.
In this course, students enhance their listening skills, determine their vocal "brand" or type, and learn various industry reads and the necessary corresponding voice skills. Students learn how to research and cut copy, create commercial, industrial, and cartoon demos, recording etiquette, and how to take vocal direction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4323. Shakespeare Through Performance.
This intensive summer study abroad program immerses students in the language and culture of Shakespeare's plays. Incorporating a performance-based approach to the study of Shakespeare, this course includes theatrical workshops taught by professionals at leading international theatres, including the Royal Shakespeare Company.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4324. Shakespeare: Text and Context.
This intensive study abroad program immerses students in the language and culture of Shakespeare's plays. In Stratford, academic workshops are led by scholars from the Shakespeare Birthplace Trust. Through immersion in the cultural environment in which the plays were produced, students gain insight into the context that shaped Shakespeare's theatre.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4325. Shakespeare Ensemble.
This class provides students with the opportunity to build an ensemble production of an abridged Shakespearean play. Using text analysis, character building, and clear storytelling, students will create an adaptable production that can be performed in schools, libraries, and other community locations. Prerequisite: TH 1364.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4326. Design for Theatre Educators.
This course prepares teaching certification students for the execution of technical elements relating to a dramatic production. The class draws heavily from guidelines established by the University Interscholastic League (UIL) Handbook governing One-Act Play competitions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4327. Technical Theatre Production for Educators.
This class guides students through exercises highlighting tool safety, scenery construction and proper stage protocols. Students build and repair scenery, hang a UIL light plot, hang masking curtains, design lights and audio for all the Texas State Summer High School Theatre Camp productions. Prerequisite: TH 4326 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4329. Television Writing.
This course covers the process of writing a television script. Students will pitch original stories and develop beat sheets, write treatments, and create story-boards culminating in a finished original script.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4330D. Actor, Artist, Aesthetic.
This course focuses on group and individual created works of art. Students will explore their personal artistic aesthetic and create a piece that will be performed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TH 4330J. Drawing for the Designer.
This course is a studio class with a focus on drawing for the scenic, lighting, and costume design student. Required of all BFA design majors. Prerequisite: TH 4390 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TH 4330M. Advanced Stage Management.
The goal of this course is to examine stage management and hone the necessary skills in the areas of theatre, dance, festivals, live events, showcases, and opera. Prerequisite: TH 4334 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TH 4330R. Oregon Shakespeare Festival Intensive.
This course examines theatre production at the regional theatre level by exposing students to the work of the Oregon Shakespeare Festival. Students will study issues of translating the current season's nine plays from script to stage, as well as analyze the perspectives and choices that inform each production.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TH 4330Y. Film Lighting.
This course provides an understanding of the principles, techniques and equipment used in lighting for film. It involves consideration of both technical and design elements. Prerequisite: TH 4363 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TH 4330Z. Speaking Shakespeare.
This course equips students with the skills necessary to fully embody Shakespearean text. The course lays a foundation with a sequence of exercises which expand and deepen the breath, unlocking the capacity for a full range of powerful expression. Students learn the fundamentals of the International Phonetic Alphabet for maximum specificity of articulation. In addition, they learn both scansion and rhetorical text analysis and apply them to the performance of a Shakespearean monologue. Prerequisite: TH 1340 and TH 1365 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TH 4332. Theatre in Education.
This course provides an in-depth examination of Applied Theatre as it is used in a variety of settings, including elementary and middle school classrooms, recreation facilities, and in community outreach programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4333. Television Writing II.
This course focuses on the techniques of creating a television series, including script writing and development, film production, and post-production editing. Students will spin off a character from a network television series and create a new series based on this character.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4334. Stage Management.
This is a seminar course in stage management, focusing on organization, techniques, and practices for managing stage productions from initial planning through performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4335. Stage Management Practicum.
This course is a hands-on practicum in which select students stage manage a departmental production, from auditions through the completion of the production. Prerequisite: TH 4334 with a grade of "D" or better.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4336. Production and Company Management for the Arts.
The goal of this course is to examine the job duties (and sometimes overlapping tasks) of members of a theatrical/producing arts team with a focus on company managers, stage managers, production managers, and the producing process. Focus also includes an emphasis on group management and organizational tools.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TH 4337. Sound Design & Technology II.
This course provides an understanding of sound design and its application for live entertainment, including theatre and dance productions. It involves an exploration of the sound design process and practical application through class projects. Prerequisite: TH 3337 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4338. Lighting Design.
This course will concentrate primarily on the aesthetics of stage lighting covering such topics as color; script analysis; use of light in creating both static and dynamic visual compositions; development and graphic representation of a theatrical lighting design; and psychological and physiological responses pertaining to visual perception. Prerequisites: TH 1350 and TH 2330 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4340. Business of Film.
This course focuses on how film projects are put together, from development to production, with an emphasis on job opportunities that are available in the film industry. Where applicable, working professionals are brought in as guest lecturers to provide a hands-on perspective of working in the film industry.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4341. Short Film Development.
This course focuses on the essential elements that go into the pre-production phase of developing a short film project. Emphasis is on script research, writing, budgeting, scheduling, finance, and development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4342. Film Editing.
Film Editing will introduce students to the theory and application of film editing practices beginning with an in-depth study of several software applications. The students will learn the craft of editing utilizing workflows across multiple formats: fiction, documentary and commercial.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4343. Film Producing.
Film Producing introduces the student to the roles and responsibilities that contribute to the successful production of narrative films across multiple formats: short, feature, commercial, documentary and web. Utilizing industry-standard software tools, the student will work through stages of development, budgeting, scheduling and on set production. Prerequisite: TH 3353.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4344. Theatrical Sound Composition.
This course will focus on the use of a digital audio workstation in the composition of music, sound, and scoring of theatrical moments on stage, as well as explore recording techniques. It will also explore dramaturgical aspects of sound design. Prerequisite: TH 3337 and TH 4337 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4345. Costume Design.
A study of the principles and elements to relate to designing theatrical costumes. Includes experience in research as well as developing drawing and rendering techniques. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4346. Advanced Costume Design.
Continued development of costume design skills. Includes research as well as advanced drawing and rendering techniques. Repeatable for credit with different emphasis. Prerequisite: TH 3344 and TH 4345 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4347. Pattern Making.
Pattern Making is a single semester exploration of the skills and techniques of pattern drafting and draping. Through guided practice and project work, students will enhance their understanding of garment planning and production. Prerequisite: TH 3344 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4348. Mask Making.
Mask Making is a single semester course focusing on the practical craft and techniques of mask making for the live entertainment industry. Through guided practice students will be introduced to various materials and techniques in sculpting, casting, and molding for theatre. Prerequisite: TH 3344 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4349. Hat Making.
Hat Making is a single semester course exploring the design and execution of headwear. Through guided practice students will be exposed to materials and techniques giving them a strong foundation in Millinery Design and Construction. Prerequisite: TH 3344.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4351. History of Architecture and Interiors for Theatrical Design.
This course is a study of architecture and interiors throughout history as it impacts design for theatre. Students will look at periods of design from ancient Egypt to the late Twentieth Century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4352. Armor Making.
Armor Making is a single semester course in the construction of armor for the live entertainment industry. Through guided practice students will gain experience with various materials and techniques used in this specialized area of garment construction. Prerequisite: TH 3344 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4353. Wig Making and Styling.
Wig Making is a single semester study of the principles of wig making and wig styling for the live entertainment industry. Through guided practice, students will learn to ventilate and style synthetic wigs and small ventilated appliances Prerequisite: TH 3344 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4354. Special Effects Makeup.
Special Effects Makeup is a single-semester exploration of the advanced makeup techniques and the creation and application of prosthetic appliances within the context of character design and production for the entertainment industry. Prerequisite: TH 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4355. Scene Painting.
Theory and practice of scene painting for the theatre, with hands-on projects implementing various scene-painting techniques. Students will also have the opportunity to work as scenic artists on departmental productions.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4356. Theatrical Drafting: Vectorworks.
This course is a study of computer techniques and procedures used in the preparation of design and technical drawings for theatrical scenery and lighting. Prerequisites: TH 3331 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4357. Scene Design.
A study of scene design for theatre, focusing specifically on process of scenic designer with practical assignments including renderings and scaled models. Prerequisites: TH 1350 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4358. Drama and Adaptation.
This course covers the development of new theatrical scripts based on existing stories and source material. Students explore a variety of potential source materials, pitch adaptation ideas from multiple sources, and complete a written script.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4360. Problems in Theatre.
Problems in Theatre. (3-0) Designed to give supervised experience to qualified advanced students in theatre history, playwriting, directing, acting, technical, or other theatre problems. Research problems or actual production problems may be chosen. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4361. Dialects For Actors.
A study of the International Phonetic Alphabet and other vocal techniques used to create vocal variations such as regional, national, and international dialects. Prerequisite: TH 3310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4363. Directing For Film.
An in-depth examination of directing theories and procedures for film with practical filming and editing exercises.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4364. Directing I.
A study of the fundamentals of directing with practical experience provided by directing scenes. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

TH 4365. Directing II.
A study of directing different dramatic styles. Students will direct a one-act play during regular semesters. Prerequisite: TH 4364 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

TH 4368. Cinematography.
This course will introduce the student filmmaker to intermediate and advanced concepts in camera, lighting and image delivery across multiple platforms: motion picture, television and the web. Utilizing the latest tools in digital videography, the student will learn to apply story analysis to their on-set decision making. Prerequisite: TH 3353 with grade of "C" or better; Overall GPA 2.5.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4372. Theory and Practice of Dramaturgy.
Study of the practical application of historical research and textual analysis in the production of period plays and new works. Emphasis upon the dramaturg as an instrument of collaboration between members of the artistic team and as a facilitator of audience outreach. Prerequisite: TH 3367 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4373. Advanced Film Directing.
An in-depth examination of narrative filmmaking that includes screenplay analysis, storyboarding, scheduling the shoot, directorial techniques, staging actors, camera placement, filming on location, and editing. Prerequisite: TH 4363 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4375. Advanced Playwriting.
This course focuses on an in-depth study of the techniques of playwriting and the variety of styles that a playwright might employ. The course culminates with the writing of a full-length play. Prerequisite: TH 3355 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4376. Advanced Lighting Design.
This course focuses on advanced principles of light design and lighting aesthetics. It covers the variable elements one encounters during the design process as it applies to stage lighting. Prerequisite: TH 4338 with a grade of "D" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4377. Advanced Scene Design.
This course emphasizes working with directors and other designers in creating a design for the stage. Students will improve verbal and visual communication skills as well as further develop drawing/painting/modeling/drafting skills. The course involves multiple projects including creating an original performance art piece with a director and other designers. Prerequisite: TH 4357 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4378. Play Development Lab.
This course provides a laboratory workshop development process for new plays. It provides a structured environment for rigorously revising student-written works. Prerequisite: TH 4375 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4380. Advanced Scenic Painting.
Students will further develop scenic art skills, with an increased emphasis on realized practical production work, and a focus on planning, sampling, and managing of theatrical production paint processes. Prerequisite: TH 4355 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4381. Automated Lighting.
Automated Lighting will explore and practice methods and approaches for basic uses of multi-attribute lighting technology. We will investigate a variety of moving light and LED technology and control as well as methods of properly documenting and cueing with these complex tools. Prerequisite: TH 3338 and TH 4338 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4382. Welded Scenery for the Live Entertainment Industry.
This course offers a hands-on study of the principles and practices utilized in the fabrication of steel framed stage scenery for the live entertainment industry. Emphasis will be on safely cutting, prepping and welding mild carbon steel. Tools used include steel cutting saws, grinders and MIG welder. Prerequisite: TH 2330 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4385. Lighting Console Programming.
This course explores basic, intermediate, and advanced skills and techniques used in modern console programming for a variety of lighting systems used in the entertainment industry. The course incorporates programming specifics for consoles from a variety of manufacturers. Prerequisite: TH 3338 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4386. Lighting and Projection Design for Dance.
This course covers the skills and techniques used in lighting and projection design for dance performances. Students explore innovative choreographers and designers who use both established and emerging technologies in lighting and projection design for dance. Prerequisite: TH 3338 and TH 4338 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4390. BFA Pre-Professional Apprenticeship II.
Intensive laboratory work in individual and group theatre methods for the actor, designer, or technician. Each apprenticeship from BFA II to V will focus upon a specific theatrical discipline for the actor, i.e. advanced vocal work, music theatre, performing Shakespeare, performing new scripts, advanced movement techniques, and further development of internal process.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4391. BFA Pre-Professional Apprenticeship III.
A continuation of laboratory work for the actor. Each apprenticeship from BFA II-V will focus on a specific theatrical discipline for the actor, i.e. advanced vocal work, music theatre, performing Shakespeare, performing new scripts, advanced movement techniques, and further development of the internal process.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

TH 4392. BFA Pre-Professional Apprenticeship IV.
A continuation of laboratory work for the actor. Each apprenticeship from BFA II-V will focus on a specific theatrical discipline for the actor, i.e. advanced vocal work, music theatre, performing Shakespeare, performing new scripts, advanced movement techniques, and further development of the internal process.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4393. BFA Pre-Professional Apprenticeship V.
A continuation of laboratory work for the actor. Each apprenticeship from BFA II-V will focus on a specific theatrical discipline for the actor, i.e. advanced vocal work, music theatre, performing Shakespeare, performing new scripts, advanced movement techniques, and further development of the internal process.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4395. Advanced Scene Study.
This course is a capstone acting course for the B.F.A. Acting and Musical Theatre students that involves both advanced scene study work as well as preparation for professional auditions and showcases.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

TH 4601. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry; it is intended for students who do a full-time internship over the summer or during the fall or spring semesters. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in Dance

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Majors must complete a minimum of 33 required hours in Dance, with 6 additional required elective hours in Dance and/or Theatre courses. A minimum of 12 DAN hours must be upper level.
4. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
5. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).

Course Requirements

					Freshman
	Fall Semester	Hours		Spring Semester	Hours
DAN 1180		1	DAN 1212		2
DAN 1190		1	POSI 2320 (Government/ Political Science Component Code 070)		3
US 1100		1	ENG 1320 (Communication Component Code 010)		3
ENG 1310 (Communication Component Code 010)		3	Mathematics Component Code 020		3
POSI 2310 (Government/ Political Science Component Code 070)		3	HIST 1310 (American History Component Code 060)		3
Social & Behavioral Sciences Component Code 080		3	Language, Philosophy & Culture Component Code 040		3
COMM 1310 (Component Area Option Code 090/091)		3			
		15			17

Sophomore			
Fall Semester	Hours	Spring Semester	Hours
DAN 1113	1	DAN 2202	2
DAN 1160	1	DAN 2368	3
DAN 2201	2	Choose 1 hour from the following:	1
HIST 1320	3	DAN 1160	
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	DAN 1180	
Modern Language 1410	4	DAN 1190	
Life & Physical Sciences Component Code 030	3	DAN 2160	
		DAN 2161	
		DAN 2181	
		DAN 2191	
		Life & Physical Sciences Component Code 030	3
		Modern Language 1420	4
		ENG 2310, 2320, 2330, 2340, 2359, or 2360 (Component Area Option Code 090/094)	3
	17		16

Junior			
Fall Semester	Hours	Spring Semester	Hours
DAN 4369	3	DAN 4350	3
Choose 1 hour from the following:	1	DAN 3390	3
DAN 1160		Modern Language 2320	3
DAN 1180		Minor	6
DAN 1190			
DAN 2160			
DAN 2161			
DAN 2181			
DAN 2191			
DAN 3332	3		
Modern Language 2310	3		
BA Additional Math, Science, or Logic	3		
Minor	3		
	16		15

Senior			
Fall Semester	Hours	Spring Semester	Hours
Choose 3 hours from the following:	3	Choose 3 hours from the following:	3
DAN 1114		DAN 1114	
DAN 2210		DAN 2210	
DAN 2365		DAN 2365	
DAN 2367		DAN 2367	
DAN 3111		DAN 3111	
DAN 3162		DAN 3162	
DAN 3182		DAN 3182	
DAN 3292		DAN 3292	
DAN 3331		DAN 3331	
DAN 3345		DAN 3345	
DAN 3365		DAN 3365	
DAN 3366		DAN 3366	
DAN 3370		DAN 3370	
DAN 4292		DAN 4292	
DAN 4330		DAN 4330	
DAN 4360		DAN 4360	
DAN 4471		DAN 4471	
TH 1350		TH 3150	
TH 2330		TH 2330	
TH 3343		TH 3343	
TH 4334		TH 4334	
TH 4336		DAN 4380	3
DAN 4366 or 4370	3	Minor	6
BA ENG Literature	3		
Minor	3		
	12		12

Total Hours: 120

Bachelor of Arts (B.A.) Major in Theatre

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. Students must complete a minimum of 35 hours in Theatre courses, with six additional hours strongly recommended. A minimum of 12 Theatre hours must be advanced.
5. All Theatre students are encouraged to participate in theatre production activities each semester, and B.A. students must enroll in TH 2111 a minimum of two semesters.
6. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

Course Requirements

Freshman	Hours
TH 1350	3
TH 1354	3

TH 1364	3
TH 1365	3
TH 2111	1
US 1100	1
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
COMM 1310 (Component Area Option Code 090/091)	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	32

Sophomore	Hours
TH 2111	1
TH 2330	3
TH Elective	3
Mathematics Component Code 020	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
Social & Behavioral Sciences Component Code 080	3
ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Modern Language 1410	4
Modern Language 1420	4
	33

Junior	Hours
TH 3320	3
TH 3321	3
TH 3344 or 3346	3
Life & Physical Sciences Component Code 030	6
Minor	9
Modern Language 2310	3
Modern Language 2320	3
	30

Senior	Hours
TH 4364	3
TH Elective	3
Minor	9
BA ENG Literature	3
BA Computer Science, Logic, Mathematics or science	3
Electives	4
	25

Total Hours: 120

Bachelor of Fine Arts (B.F.A.) Major in Dance (Performance and Choreography Concentration)

Minimum required: 120-121 semester credit hours

Admission Requirements

1. The Bachelor of Fine Arts (B.F.A.) major in Dance concentration in Performance and Choreography is based on an audition in either the fall or spring semester prior to the year of admittance. Students will be expected to maintain appropriate artistic and academic standards at the discretion of the Dance faculty.
2. Skill level will be evaluated by faculty to determine course placement in ballet, jazz and modern technique classes.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Skill level will be evaluated by faculty to determine course placement in ballet, jazz, and modern technique classes.

Course Requirements

Freshman	Hours
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/Political Science Component Code 070)	3
HIST 1310 (American History Component Code 060)	3
COMM 1310 (Component Area Option Code 090/091)	3
Mathematics Component Code 020	3
Social & Behavioral Sciences Component Code 080	3
DAN 1113	1
DAN 1160 or 2161	1
DAN 1180	1
DAN 1180 or 2181 (repeat 1180)	1
DAN 1190	1
DAN 1190 or 2191 (repeat 1190)	1
DAN 1212	2
US 1100	1
	30

Sophomore	Hours
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
HIST 1320 (American History Component Code 060)	3
POSI 2320 (Government/Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3
DAN 1114	1
DAN 2201	2
DAN 2202	2
DAN 2160 or 2161	1
DAN 1180 or 2181	1
DAN 2181 or 3182	1
DAN 2191	1
DAN 2191 or 3292	1-2
DAN 2367	3
DAN 2368	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	31-32

Junior	Hours
Life & Physical Sciences Component Code 030	6
DAN 2365 or 3331	3
DAN 3332	3
DAN 3366	3
DAN 3370	3
DAN 2210	2
DAN 2181 or 3182	1
DAN 3292	2
DAN 3340 (or electives)	3
DAN 3340 or 4367 (repeat)	3
Choose two from:	2
DAN 2160	
DAN 2161	
DAN 3162	
TH 3151	
TH 3152	
TH 3171	
TH 3172	
TH 4171	
TH 4172	
	31

Senior	Hours
DAN 1113 or 1114 (repeat)	1
DAN 2181 or 3182 (twice)	2
DAN 3292 (twice)	4
DAN 3345	3
DAN 4330	3
DAN 4350 or 3365	3
DAN 4380	3
DAN 4369	3
DAN 4470	4
Electives	1
Choose one from:	1
DAN 2160	
DAN 2161	
DAN 3162	
TH 3151	
TH 3152	
TH 3171	
TH 3172	
TH 4171	
TH 4172	
	28

Total Hours: 120-121

Bachelor of Fine Arts (B.F.A.) Major in Dance (Single Field Teacher Certification in Dance, Grades 8-12)

Minimum required: 120-122 semester credit hours

Admission Requirements

1. Admission to the Bachelor of Fine Arts (B.F.A.) degree with a major in Dance teacher certification requires an audition in either the fall or spring semester prior to the year of admittance. Students will be expected to maintain appropriate artistic and academic standards at the discretion of the Dance faculty.
2. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).
3. Skill level will be evaluated by faculty to determine course placement in ballet, jazz and modern technique classes.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Teacher certification majors must maintain an overall GPA of 2.75, a major GPA of 2.75, and a GPA of 2.75 in all required education courses. Students who fail to do so will be advised into another program.
3. In addition to the major requirements, students must also complete 21 hours of professional sequence courses through the College of Education. All coursework must be completed prior to EDST 4681.
4. Summer course work may be need to complete the degree in a timely manner.
5. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history,

you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	Hours
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/Political Science Component Code 070)	3
HIST 1310 (American History Component Code 060)	3
COMM 1310 (Component Area Option Code 090/091)	3
Social & Behavioral Sciences Component Code 080	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
DAN 1113	1
DAN 1160 or 2161	1
DAN 1180	1
DAN 1180 or 2181	1
DAN 1190	1
DAN 1190 or 2191	1
DAN 1212	2
US 1100	1
MATH 1315, 1319, 2417, or 2471 (Mathematics Component Code 020)	3
	33

Sophomore	Hours
HIST 1320 (American History Component Code 060)	3
POSI 2320 (Government/Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3
Life & Physical Sciences Component Code 030	6
DAN 1114	1
DAN 2160 or 2161	1
DAN 2181 or 3182 (twice)	2
DAN 2191 or 3292	1-2
DAN 2201	2
DAN 2202	2
DAN 2368	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	30-31

Junior	Hours
CI 3325	3
CI 4332	3
DAN 2365	3
DAN 3330	3
DAN 3332	3
DAN 3350	3
DAN 3365 or 4350	3
DAN 3331	3
DAN 2161, 3162, or 3152	1
DAN 2191 or 3292	1-2
Select one of the following:	3
DAN 3366	
DAN 2367	
DAN 3340	
DAN 3345	
	29-30

Senior	Hours
DAN 4330	3
DAN 4367	3
DAN 4369	3
DAN 2181 or 3182	1
DAN 4380	3
CI 4343	3
CI 4370	3
RDG 3323	3
EDST 4681	6
	28

Total Hours: 120-122

Bachelor of Fine Arts (B.F.A.) Major in Dance (Two Fields Teacher Certification in Dance, Grades 8-12)

Minimum required: 130 semester credit hours

Admission Requirements

1. Admission to the Bachelor of Fine Arts (B.F.A.) degree with a major in Dance teacher certification requires an audition in either the fall or spring semester prior to the year of admittance. Students will be expected to maintain appropriate artistic and academic standards at the discretion of the Dance faculty.
2. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).
3. Skill level will be evaluated by faculty to determine placement in ballet, jazz and modern technique classes.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students should consult an academic advisor to help you choose an additional teaching field and for sequencing of courses.
3. A second teaching field is required in this degree program.
4. Teacher certification majors must maintain an overall GPA of 2.75, a major GPA of 2.75, and a GPA of 2.75 in all required education courses. Students who fail to do so will be advised into another program.
5. In addition to the major requirements, students must also complete 21 hours of professional sequence courses through the College of Education. All coursework must be completed prior to EDST 4681.
6. Summer course work may be need to complete the degree in a timely manner.
7. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	Hours
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/Political Science Component Code 070)	3
HIST 1310 (American History Component Code 060)	3
COMM 1310 (Component Area Option Code 090/091)	3
Social & Behavioral Sciences Component Code 080	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
DAN 1113	1
DAN 1180 or 2181	1
DAN 1190	1
US 1100	1
Second Teaching Field	3
MATH 1315, 1319, 2417, or 2471 (Mathematics Component Code 020)	3
	31

Sophomore	Hours
Life & Physical Sciences Component Code 030	6
HIST 1320 (American History Component Code 060)	3
POSI 2320 (Government/Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3
DAN 2201	2
DAN 2202	2
DAN 2365 or 3331	3
DAN 1180 or 2181	1
DAN 1190 or 2191	1
Second Teaching Field	6
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Select one of the following:	1
DAN 1160	
DAN 2161	
DAN 3162	
	34

Junior	Hours
CI 3325	3
CI 4332	3
DAN 3330	3
DAN 3332	3
DAN 3350	3
DAN 3365	3
DAN 4330	3
DAN 2367 or 4367	3
DAN 2181 or 3182	1
DAN 2191 or 3292	1
Second Teaching Field	6
Elective (depending on DAN 2191 or DAN 3292)	1
	33

Senior	Hours
DAN 2368	3
DAN 4369	3
DAN 3292	2
CI 4343	3
CI 4370	3
Second Teaching field	9
RDG 3323	3
EDST 4681	6
	32

Total Hours: 130

Bachelor of Fine Arts (B.F.A.) Major in Musical Theatre

Minimum required: 123 semester credit hours

Admission Requirements

1. The Bachelor of Fine Arts (B.F.A.) degree with a major in Musical Theatre requires admission to the university and admission to the program. For more information visit: http://www.theatreanddance.txstate.edu/Undergraduate-Degrees/BFA-Musical-Theatre.html
2. Admission to the Musical Theatre program is highly competitive and based on an audition/interview with members of the B.F.A. Musical Theatre Program faculty. Prospective students generally audition during their senior year of high school. Interested transfer students must contact the Head of Musical Theatre to see if there are any available slots in their class level; typically, students transferring into the program require four years at Texas State to complete their degree.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses. It is recommended that some of the general education core curriculum courses be taken over one or more summer sessions.
2. Students choose their career path in consultation with the Head of the Musical Theatre program.
3. A minimum of 36 advanced hours are required.
4. All Theatre students are encouraged to participate in theatre production activities each semester.
5. Students in the program are always on probation, with their work and progress continually evaluated
6. Students must maintain a minimum GPA of 2.8.

Course Requirements

Freshman	Hours
TH 1210	2
TH 1211	2
TH 1350	3
TH 1364	3
TH 1365	3
TH 2111	1
TH 1312	3
TH 1314	3
TH 1121	1
TH 1122	1
TH 1160 or 2161	1
TH 1180 or 2181	1
TH 2161 or 3162	1
TH 2181 or 3182	1
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
US 1100	1
	33

Sophomore	Hours
TH 2210	2
TH 2211	2
TH 3364	3
TH 3322	3
TH 2345	3
TH 3151	1
TH 3152	1
TH 3171	1
TH 3172, 3162, or 3182	1
TH 3120 (twice)	2
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
COMM 1310 (Component Area Option Code 090/091)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	31

Junior	Hours
TH 2354	3
TH 3320	3
TH 3321	3
TH 3390	3
TH 4390	3
DAN 3171	1
TH 3172	1
Mathematics Component Code 020	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
Social & Behavioral Sciences Component Code 080	3
TH 3120 (twice)	2
MUSP 1135	1
	32

Senior	Hours
TH 4361	3
TH 4364	3
TH 4391	3
TH 4392	3
DAN 3162 or 3182	1
TH 4120 (twice)	2
Life & Physical Sciences Component Code 030	6

PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
ENG Literature (Component Area Option Code 090/094)	3
	27

Total Hours: 123

Bachelor of Fine Arts (B.F.A.) Major in Theatre (Acting Pre-Professional Concentration)

Minimum required: 125 semester credit hours

Admission Requirements

1. The Bachelor of Fine Arts (B.F.A.) major in Theatre with a concentration in Acting requires admission to the university and admission to the program. For more information visit: http://www.theatreanddance.txstate.edu/Undergraduate-Degrees/BFA-Theatre--Acting.html
2. Admission to the B.F.A. major in Theatre with a concentration in Acting is highly competitive and based on an audition/interview with members of the B.F.A. Acting Program faculty. Prospective students audition during their senior year of high school. This is a four-year sequential curriculum and transfer students are not accepted unless specially invited by the B.F.A. Acting faculty.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students in the program are always on probation; their work and progress are formally evaluated by faculty annually. Students must maintain a minimum GPA of 2.5.

Course Requirements

Freshman	Hours
TH 1345	3
TH 1350	3
TH 1354	3
TH 1364	3
TH 1365	3
TH 2111	1
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
COMM 1310 (Component Area Option Code 090/091)	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
US 1100	1
	32

Sophomore	Hours
TH 1355	3
TH 2345	3
TH 2354	3
TH 3343	3
TH 3364	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
Social & Behavioral Sciences Component Code 080	3
Mathematics Component Code 020	3
	30

Junior	Hours
TH 3310	3
TH 3320	3
TH 3321	3
TH 3360	3
TH 3390	3
TH 4390	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
ENG Literature (Component Area Option Code 090/094)	3
Life & Physical Sciences Component Code 030	6
	30

Senior	Hours
TH 3342	3
TH 3367[1]	3
TH 4361	3
TH 4364	3
TH 4395	3
TH 3365	3
TH 4391	3
TH 4392	3
TH 4393	3
Acting Area Electives	6
	33

Total Hours: 125

[1] Oregon Shakespeare Festival Intensive can be substituted for TH 3367, Dramatic Theory.

TH Acting Area Electives

Code	Title	Hours
TH 3361	Improvisation for the Actor	3
TH 3362	Singing for the Actor	3
TH 4330D	Actor, Artist, Aesthetic	3
TH 4323	Shakespeare Through Performance	3
TH 4324	Shakespeare: Text and Context	3
DAN 1160	Beginning Jazz	1
DAN 2161	Intermediate Jazz	1

Bachelor of Fine Arts (B.F.A.) Major in Theatre (Film Production Concentration)

General Requirements

1. The Bachelor of Fine Arts (B.F.A.) major in Theatre with a concentration in Film Production requires admission to the university and admission to the program.
2. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
3. A minimum of 36 advanced hours are required.
4. All Theatre students are encouraged to participate in theatre production activities each semester.
5. Students in the program are always on probation; their work and progress are formally evaluated by faculty annually. Students must maintain a minimum GPA of 2.5.

Freshman	Hours
TH 2355	3
TH 1350	3
TH 1364	3
TH 1353	3
TH 2111	1
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
COMM 1310 (Component Area Option Code 090/091)	3
US 1100	1
	29

Sophomore	Hours
TH 3358	3
TH 4342	3
TH 4343	3
TH 4368	3
Life & Physical Sciences Component Code 030	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Mathematics Component Code 020	3
ENG Literature (Component Area Option Code 090/094)	3
	30

Junior	Hours
TH 3320	3
TH 3321	3
TH 4363	3
TH 3375	3
TH 3359	3
TH 4364	3
TH Film Production Electives	3
Life & Physical Sciences Component Code 030	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Social & Behavioral Sciences Component Code 080	3
	30

Senior	Hours
TH 4373	3
TH 4340	3
TH 4341	3
TH Film Production Electives	15
Electives	7
	31

Total Hours: 120

TH Film Production Electives

Code	Title	Hours
TH 1365	Intermediate Acting	3
TH 3337	Sound Technology	3
TH 3338	Stage Lighting	3
TH 3342	Television/Film Performance	3
TH 3343	Stage Makeup	3
TH 3344	Costume Stagecraft	3
TH 3355	Playwriting	3
TH 3360	Beginning Stage Combat	3
TH 3364	Acting Realism	3
TH 4304	Web Series Creation	3
TH 4305	Advanced Web Series Creation	3
TH 4329	Television Writing	3
TH 4330Y	Film Lighting	3
TH 4333	Television Writing II	3

TH 4337	Sound Design	3
TH 4338	Lighting Design	3
TH 4354	Special Effects Makeup	3
TH 4358	Drama and Adaptation	3
TH 4365	Directing II	3
TH 4375	Advanced Playwriting	3

Bachelor of Fine Arts (B.F.A) Major in Theatre (Performance and Production Pre-Professional Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. A minimum of 36 advanced hours are required.
3. All Theatre students are encouraged to participate in theatre production activities each semester.

Freshman	Hours
TH 1350	3
TH 1364	3
TH 1353	3
TH 2355	3
TH 2111	1
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
COMM 1310 (Component Area Option Code 090/091)	3
US 1100	1
	29

Sophomore	Hours
TH 2330	3
TH 3367	3
TH Performance and Production Electives	9
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Mathematics Component Code 020	3
ENG Literature (Component Area Option Code 090/094)	3
	30

Junior	Hours
TH 3320	3
TH 3321	3
TH 4364	3
TH Performance and Production Electives	9
Life & Physical Sciences Component Code 030	6
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Social & Behavioral Sciences Component Code 080	3
	30

Senior	Hours
TH Performance and Production Electives	9
TH/DAN Advanced Electives	12
Electives	10
	31

Total Hours: 120

DAN/TH Performance and Production Electives

Code	Title	Hours
DAN 1160	Beginning Jazz	1
DAN 2160	Introduction to Hip Hop Dance	1
DAN 2161	Intermediate Jazz	1
TH 1340	Voice and Diction	3
TH 1354	Movement I	3
TH 1355	Movement II	3
TH 1365	Intermediate Acting	3
TH 2330	Stagecraft and Stage Lighting	3
TH 2354	Characterization	3
TH 3337	Sound Technology	3
TH 3338	Stage Lighting	3
TH 3342	Television/Film Performance	3
TH 3344	Costume Stagecraft	3
TH 3346	Historical Costume Research	3
TH 3355	Playwriting	3
TH 3358	Screenwriting	3
TH 3359	Advanced Screenwriting	3
TH 3360	Beginning Stage Combat	3
TH 3361	Improvisation for the Actor	3
TH 3364	Acting Realism	3
TH 3365	Acting Styles	3
TH 3367	Theory and Analysis	3
TH 4304	Web Series Creation	3

TH 4305	Advanced Web Series Creation	3
TH 4324	Shakespeare: Text and Context	3
TH 4329	Television Writing	3
TH 4330Y	Film Lighting	3
TH 4333	Television Writing II	3
TH 4334	Stage Management	3
TH 4340	Business of Film	3
TH 4341	Short Film Development	3
TH 4342	Film Editing	3
TH 4343	Film Producing	3
TH 4345	Costume Design	3
TH 4357	Scene Design	3
TH 4358	Drama and Adaptation	3
TH 4363	Directing For Film	3
TH 4365	Directing II	3
TH 4368	Cinematography	3
TH 4375	Advanced Playwriting	3

Bachelor of Fine Arts (B.F.A.) Major in Theatre (Teacher Certification in Theatre, Early Childhood Through Grade 12)

Minimum required: 125 semester credit hours

Admission Requirements

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. An all-level (EC-12) teacher certification in the theatre program consists of a minimum of 41 semester hours, with at least 24 hours advanced.
3. All Theatre students are encouraged to participate in theatre production activities each semester.
4. In addition to the major requirements, students must also complete 21 hours of professional sequence courses through the College of Education. All coursework must be completed prior to EDST 4380 and EDST 4381.
5. Teacher certification students in Theatre must maintain an overall GPA of 2.75, a major GPA of 2.75, and a GPA of 2.75 in all required education courses. Students who fail to do so will be advised into another program.
6. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman	Hours
TH 1350	3
TH 1354	3
TH 1364	3
TH 1365	3
TH 2111	1
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
COMM 1310 (Component Area Option Code 090/091)	3
MATH 1315, 1319, 2417, or 2471 (Mathematics Component Code 020)	3
US 1100	1
	32

Sophomore	Hours
TH 2330	3
TH 3344	3
TH 3370	3
Theatre Elective	3
ENG Literature (Component Area Option Code 090/094)	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
Social & Behavioral Sciences Component Code 080	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	30

Junior	Hours
TH 3320	3
TH 3321	3
TH 4364	3
TH 4310	3
TH 4326	3
TH 4332	3

Life & Physical Sciences Component Code 030	6
CI 4332	3
CI 3325	3
	30

Senior	Hours
TH 4365[1]	3
TH 4320[1]	3
TH 4327[1]	3
TH 3367	3
TH 3343	3
TH 4334	3
CI 4370	3
CI 4343	3
RDG 3323	3
EDST 4380	3
EDST 4381	3
	33

Total Hours: 125

[1] During the summer between their junior and senior years, B.F.A. Teacher Certification majors take TH 4365, TH 4327, and TH 4320.

Bachelor of Fine Arts (B.F.A.) Major in Theatre (Technical Production Concentration)

Minimum required: 120 semester hours

Admission Requirements

1. The Bachelor of Fine Arts (B.F.A.) degree with a major in Theatre with a concentration in Technical Production requires admission to the university and admission to the program. For more information visit: http://www.theatreanddance.txstate.edu/Undergraduate-Degrees/BFA-Theatre--Technical-Production.html
2. Admission to the B.F.A. with a major in Theatre with a concentration in Technical Production is based on successful completion (with a grade of C or better) in TH 1350 and in TH 2330. Upon successful completion of these two courses, the student will be allowed to enroll in TH 3390 and, in some cases, may be concurrently enrolled in TH 2330 and TH 3390.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. All Theatre students are encouraged to participate in theatre production activities each semester.
3. Students must complete a minimum of 60 hours in Theatre courses, of which 36 are required.
4. A grade of "C" or better is required in all Theatre courses.
5. Students in this emphasis are encouraged to complete a non-course based internship during the summers after their Sophomore and Junior years.
6. Students in the program will be evaluated after each semester by Technical Production faculty and staff to assess progress and determine continuation in the program. Students must maintain a minimum GPA of 2.5.

Course Requirements

Freshman	Hours
TH 1111	1
TH 1350	3
TH 2330	3
TH 1364	3
TH 2111	1
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/Political Science Component Code 070)	3
POSI 2320 (Government/Political Science Component Code 070)	3
COMM 1310 (Component Area Option Code 090/091)	3
Mathematics Component Code 020	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
US 1100	1
	33

Sophomore	Hours
Select one of the following:	3
TH 3330	
TH 3344	
TH 4334	
TH 3320	3
TH 3321	3
TH 3331	3
TH 3390	3
TH 4390	3
ENG Literature (Component Area Option Code 090/094)	3
HIST 1310 (American History Component Code 060)	3
HIST 1320 (American History Component Code 060)	3
Social & Behavioral Sciences Component Code 080	3
	30

Junior	Hours
TH 4391	3
TH 4392	3
TH Advanced Technical Production Electives[1]	18

Life & Physical Sciences Component Code 030	6
	30
Senior	**Hours**
TH 4364	3
TH 4393	3
TH Advanced Technical Production Electives[1]	12
General Electives	6
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	27

Total Hours: 120

[1] Non-specified advanced TH classes are chosen in consultation with academic advisor.

Minor in Theatre

The minor in Theatre requires 18 semester credit hours.

Code	Title	Hours
Required Courses		
Choose 3 hours from the following:		3
TH 1364	Beginning Acting	
TH 2330	Stagecraft and Stage Lighting	
Choose 15 hours from TH courses, 9 of which must be advanced		15
Total Hours		18

College of Health Professions

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Communication Disorders–Valarie B. Fleming, Ph.D.
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Health Information Management–Alexander McLeod, Ph.D.
Nursing–Marla A. Erbin-Roesemann, Ph.D.
Physical Therapy–Barbara L. Sanders, Ph.D.
Radiation Therapy–Ronnie G. Lozano, Ph.D.
Respiratory Care–S. Gregg Marshall, Ph.D.

The College of Health Professions prepares students for careers in the healthcare field. Through its professional, technical, clinical and academic programs, the college serves as an advocate for change and technical improvement in the field. The college also serves as a catalyst to expand and improve public perceptions of healthcare.

Undergraduate programs are available in clinical laboratory science, communication disorders, healthcare administration, health information management, health sciences, nursing, radiation therapy, and respiratory care. Graduate programs are offered in communication disorders, healthcare administration, health information management, nursing, and physical therapy. The college has a number of cooperating teaching sites and more than 1200 affiliations with hospitals and other healthcare facilities.

All programs offered in the College of Health Professions, except the BSHS, have specific admission requirements in addition to Texas State admission requirements. Most programs also have requirements for student liability insurance and immunizations. Background checks and drug testing may be required.

Academic Advising Center

Encino Hall, Room 302
T: 512.245.3506 F: 512.245.1615
www.health.txstate.edu/advising (http://www.health.txstate.edu/advising)

In the College of Health Professions Undergraduate Academic Advising Center, we are student-centered, supportive, and welcoming to all. We strive to empower students to be successful in their academic and life goals.

We pledge to be accurate, encouraging, sincere, realistic, approachable, and non-judgmental in our interactions to provide guidance and direction to the University community, including students, faculty, staff and members of students' support systems.

The College of Health Professions Academic Advising Center provides academic advising which supports undergraduate students seeking admission to a program offered in the College of Health Professions. The center also prepares degree audits for all undergraduate students in the College of Health Professions, and in coordination with the Dean's Office, verifies graduation.

Clinical Laboratory Science Program

Encino Hall Room 350-B
T: 512-245-3500 F: 512-245-7860
www.txstate.edu/cls (http://www.txstate.edu/cls)
Facebook: https://www.facebook.com/txstate.cls/
Twitter: @TXST_CLS

The Bachelor of Science in Clinical Laboratory Science (BSCLS) degree with a major in Clinical Laboratory Science prepares students to function as clinical laboratory scientists (medical laboratory scientists) or medical technologists in a wide variety of settings from physician office laboratories to modern tertiary care hospital laboratories. The clinical laboratory scientist can become an indispensable top-level laboratory worker, a supervisor, a specialist, a researcher, or an educator.

The requirements during the first two years of study include courses in biology, chemistry, and mathematics, along with courses in the humanities and social and behavioral sciences. The junior and senior years combine clinical experiences in the affiliated clinical laboratories with advanced academic study in the CLS disciplines.

The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). Graduates of the program are eligible to take the national certification examination for the Medical Laboratory Scientist (MLS) given by the Board of Certification of the American Society for Clinical Pathology (ASCP).

Immunization Requirements

It is a policy of the College of Health Professions that each student must provide a Health Report completed by a physician or licensed healthcare provider, and must take certain immunizations before the student can be placed in a clinical or internship assignment. Information on these requirements and forms to be supplied may be obtained through the program office.

Background Check and Drug Screening

As a condition for placement in professional practice sites, students will be required to have a background check and drug screening and meet other requirements set by individual sites. Information on the drug screening process will be provided by the CLS Program.

Clinical Placement (rotation) Requirements

The Clinical Laboratory Science (CLS) Program at Texas State provides clinical placements for all CLS students entering the clinical year (senior year / 2nd year of post baccalaureate) in good academic standing. Clinical placements are carefully and methodically assigned while taking into account transportation issues, types of clinical affiliates, and student characteristics. In the event a clinical affiliate is unable to fulfill their prior obligation, alternative clinical rotations will be sought at other affiliate institutions. In the very unlikely event alternative clinical rotations are unable to be secured; affected students will be reassigned to the first available rotation site. The next available clinical rotation will occur as soon as possible but no later than one year from the time the rotation was cancelled. If the clinical rotation cancellation occurs after clinical rotations have commenced, the affected student will be placed first in the queue to receive the first available clinical rotation slot that will occur no later than one year after the cancellation. If the clinical rotation cancellation occurs prior to the start of clinical rotations, affected students will be selected based on GPA calculated from performance in the CLS courses. Students with the lowest GPAs will be required to relinquish their clinical rotation slots which will delay clinical rotations.

Bachelor of Science in Clinical Laboratory Science (B.S.C.L.S.)

- Major in Clinical Laboratory Science (p. 399)

Courses in Clinical Laboratory Science (CLS)

CLS 3305. Introduction to Clinical Laboratory Techniques.
Clinical Laboratory Science students will be introduced to techniques, procedures, and instrumentation commonly used in clinical laboratories. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

CLS 3323. Clinical Microscopy and Analysis of Body Fluids.
Study of body fluids present in the various anatomical compartments of the body as they differ in health and disease. Physical and chemical tests, and microscopic examination of select body fluids are performed.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 3326. Medical Parasitology.
This course includes lecture and laboratory instruction in medically important parasites producing disease in humans with emphasis on epidemiology, life cycles, identifying characteristics, and pathology of these parasites.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CLS 3410. Clinical Chemistry I.
Designed to acquaint the clinical laboratory science student with some of the concepts, techniques, procedures, and instrumentation used in clinical chemistry.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 3412. Hematology/Coagulation I.
Qualitative and quantitative evaluation of formed elements of the blood and studies in coagulation abnormalities.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 3424. Clinical Immunology.
Principles of immune response and underlying immunologic procedures of diagnostic value are discussed. Lectures and laboratory emphasize detection, identification, nature of antigens and antibodies, and the antigen-antibody reactions encountered.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 4225. Laboratory Management and Supervision.
Lectures and discussions of general principles of management and supervision of the clinical laboratory and its personnel. (WI).
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CLS 4318. Hematology II.
In-depth study of theoretical and practical aspects of clinical hematology and hemostasis with emphasis on principles, methodology, problems encountered, and clinical applications.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 4321. Directed Study in Clinical Laboratory Science.
An indepth study of a narrow range of topics or a related problem in the clinical laboratory sciences. Topics to be announced; may be repeated for credit when topics vary.
3 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Credit/No Credit

CLS 4333. Bridge to Clinical Practice.
Study of professional and technical requirements for clinical laboratory science students and their role as part of the healthcare team. Students will demonstrate entry-level technical competency. The student's knowledge of all course material presented from the beginning of the CLS program through the spring semester will be evaluated. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

CLS 4340. Clinical Microbiology II.
Study of medically important fungi, viruses, chlamydiae, rickettsiae, and advanced topics in clinical microbiology. Automated identification of microorganisms, database management, and epidemiologic techniques will be discussed.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 4341. Molecular Diagnostics.
This course consists of an introduction to the principles, methodologies and applications of molecular diagnostic procedures used in clinical laboratories. Emphasis is placed on the procedures used in the identification of infectious agents that cause human disease, in the diagnosis of inherited diseases, and the diagnosis of cancer.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 4361. Research Methods in Clinical Laboratory Science.
Directed independent research covering the principles of research and development of clinical laboratory methodology. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

CLS 4364. CLS Clinical Practice II.
This course offers a continuation of CLS Clinical Practice I which includes structured clinical experience assigned on an individual basis for observation, study, and practical application of techniques and methodology in the clinical laboratory.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CLS 4370. Clinical Chemistry II.
A study of the theoretical and practical aspects of clinical chemistry. Manual and automated laboratory procedures for quantitative analysis of various body fluids.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 4440. Clinical Microbiology I.
Study of pathogenic and nonpathogenic bacteria, fungi, and viruses with special emphasis on methods of isolation from body fluids, cultural and differential biochemical characteristics of body pathogens.
4 Credit Hours. 3 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 4460. Immunohematology.
Study of theoretical and practical consideration of major blood groups with emphasis on grouping and typing, antibody detection and identification, compatibility testing and component therapy in blood transfusion service.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 4463. CLS Clinical Practice I.
Structured clinical experience assigned on an individual basis for observation, study, and practical application of techniques and methodology in the clinical laboratory.
4 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Standard Letter

Bachelor of Science in Clinical Laboratory Science (B.S.C.L.S.) Major in Clinical Laboratory Science

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Science in Clinical Laboratory Science (B.S.C.L.S.) degree with a major in Clinical Laboratory Science requires admission to the university and admission to the program. For more information visit: http://www.health.txstate.edu/cls/degrees-programs/undergraduate.html
2. University application deadlines are different than the Clinical Laboratory Science (C.L.S.) program deadline. Any student entering Texas State may declare Pre-Clinical Laboratory Science as their major. It is recommended that students arrange academic advising at least once prior to making application, and, if possible, arrange to learn about the profession through clinical laboratory tours, personal research, and interviewing a practicing C.L.S. professional. Admission and acceptance to Texas State and declaration as a C.L.S. major does not guarantee admission to the program. Admission to the program is competitive and selective. The academic sequence begins during the fall semester of the junior year. Students are selected in the spring semester of their sophomore year. Enrollment is limited by student/faculty ratios and clinical placement availability.
3. The deadline for submission of applications to the C.L.S. program is February 15th. A typical cohort size of 20 students will be admitted. Applicants will be notified of their status by April 30th or sooner. The criteria for student selection for the junior class includes scholastic ability, particularly in the sciences, essays, and a personal interview, and not on the basis of gender, race, color, religion, veteran status or condition of disability, or national origin. Due to performance standards of the profession, students must meet specific ADA

standards in accordance with physical and emotional requirements of the academic program to qualify for admission.

4. Potential applicants are encouraged to complete the University process early (six to eight weeks prior to the C.L.S. application deadline of February 15th) to facilitate review of transcripts during the C.L.S. program application process.
5. A minimum overall GPA and science and mathematics GPA of 2.50; however, an overall GPA and a science and mathematics GPA of 3.0 is recommended in order to be competitive in the application process. The science and mathematics GPA is calculated based on grades in the following nine courses which must be completed prior to submitting the C.L.S. application:

Code	Title	Hours
BIO 1330	Functional Biology	3
BIO 1130	Functional Biology Laboratory	1
BIO 1331	Organismal Biology	3
BIO 1131	Organismal Biology Laboratory	1
CHEM 1341	General Chemistry I	3
CHEM 1141	General Chemistry Laboratory I	1
CHEM 1342	General Chemistry II	3
CHEM 1142	General Chemistry Laboratory II	1
MATH 1315	College Algebra	3
or MATH 1319	Mathematics for Business and Economics I	
or MATH 1329	Mathematics for Business and Economics II	
or MATH 2321	Calculus for Life Sciences I	
or MATH 2417	Pre-Calculus Mathematics	
or MATH 2471	Calculus I	

6. Science and mathematics courses require a minimum grade of "C" or higher.
7. Students may have a maximum of nine hours of core and prerequisite coursework remaining prior to beginning the C.L.S. program.
8. Completion of the C.L.S. application packet for admission is required by the deadline (February 15th).
9. Successful interview of selected candidate with admission committee is also required.
10. Other requirements are necessary by clinical placements (e.g. immunization, background check, and drug testing).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language.
5. To graduate with a B.S.C.L.S., students must successfully complete all CLS courses in a lock-step sequence with a "C" or higher. Each CLS course is offered only once each academic year; therefore, progress in the program is affected should a student fall out of the sequence due to failure to successfully complete a course. A student who falls out of sequence (whether due to illness, course failure, or other reasons) will be delayed one year to repeat the course. Students with a grade of less than a "C" in a CLS course will be stepped out of the program and individuals must reapply to the program the following year. To be considered for program readmission, all original program admission criteria and an approved schedule for retaking courses must be met. In addition, a student may repeat a CLS course only once. If the student does not earn a grade of at least "C" upon repeating the course, the student cannot continue in the program.
6. All non-CLS courses must be completed *prior* to the senior year, 2nd semester (spring), due to students beginning off-campus clinical rotations.
7. Requirements for B.S.C.L.S. completion and graduation include a Texas State GPA of 2.0 with a CLS major GPA of 2.25.
8. During the second semester (spring) and final semester (summer) of the senior year, students are required to successfully complete five clinical laboratory rotations/experiences in CLS Clinical Practice courses. These courses require that the students spend clinical time in other facilities, primarily hospitals and reference laboratories, away from campus. Students must furnish their own transportation, and if necessary, housing. Because of the time and distances involved, typically no courses other than those listed in the CLS Program can be taken in the final two semesters of the senior year.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331	3
BIO 1130	1	BIO 1131	1
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342	3
CHEM 1141	1	CHEM 1142	1
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Governmen Political Science Component Code 070)	3	Select one of the following (Mathemati Component Code 020):	3
US 1100[1]	1	MATH 1315	
		MATH 13	
		MATH 1329	
		MATH 23	
		MATH 2331	

		MATH 24	
		MATH 2471	
	15		14

Sophomore

First Semester	Hours	Second Semester	Hours
BIO 2440 or 2400	4	HIST 1320 (American History Component Code 060)	3
COMM 131((Component Area Option Code 090/091)	3	POSI 2320 (Governmen Political Science Component Code 070)	3
HIST 1310 (American History Component Code 060)	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Select one of the following:	4	Select one of the following:	3
CHEM 2330 & CHEM 2130		HP 3302	
CHEM 23 & CHEM 2		SOCI 330	
CHEM 2342 & CHEM 2142		MATH 2328	
		QMST 23	
		ENG Literature (Component Area Option Code 090/094)	3
	14		15

Junior

First Semester	Hours	Second Semester	Hours
CLS 3305	3	CLS 3323	3
CLS 3410	4	CLS 3424	4
CLS 3326	3	CLS 3412	4
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	Social & Behavioral Sciences Component Code 080	3
	13		14

Senior

First Semester	Hours	Second Semester	Hours	Summer	Hours
CLS 4333	3	CLS 4340	3	CLS 4225	2
CLS 4318	3	CLS 4341	3	CLS 4361	3
CLS 4440	4	CLS 4370	3	CLS 4364	3
CLS 4460	4	CLS 4463	4		
	14		13		8

Total Hours: 120

[1] If US 1100 is waived, the student must have a minimum of 120 hours to graduate. See the College Advising Center.

Department of Communication Disorders

Willow Hall Room 253-D
Round Rock Campus

100 Bobcat Way
Round Rock, TX
T: 512-716-2624 F: 512-716-2623
www.health.txstate.edu/CDIS (http://www.health.txstate.edu/CDIS)

The Department of Communication Disorders, located in Round Rock, is dedicated to excellence in teaching, research, and clinical practice in speech-language pathology and audiology. We are committed to innovative instruction, expansion of knowledge, and community-based collaboration to create a vibrant and supportive learning community that engages and inspires students, faculty, staff, and clients. Advanced clinical and educational training, grounded in evidence-based practices (EBP) and practice-based practices (PBP), prepares students in the undergraduate program for entry into graduate school.

The Department of Communication Disorders provides undergraduate students with the academic background to successfully enter a graduate program in speech-language pathology or audiology. The undergraduate curriculum provides knowledge in normal and disordered speech, language, swallowing and hearing processes. Coursework in the major is supported by additional courses in psychology, counseling, biology, physics, and statistics.

Immunization Requirements

It is a policy of the College of Health Professions that each student must provide a Health Report completed by a physician or licensed healthcare provider, and must document current, specific immunizations before the student can be placed in a clinical or internship assignment in their respective program. Information on these requirements and forms to be supplied may be obtained through the school office.

Background Check

As a condition for participation in clinical aiding, in which direct client contact is required, students are required to have a background check. Information on the background check process will be provided by the department. Previous misdemeanor or felony convictions under various titles of the Texas Penal Code may affect eligibility for practitioner license status following graduation.

Bachelor of Science in Communication Disorders (B.S.C.D.)

- Major in Communication Disorders (p. 403)

Courses in Communication Disorders (CDIS)

CDIS 1331. Introduction to Communication Disorders.
Study of speech, hearing, and language development and its disorders; descriptions of communicative disorders and their etiologies for the speech-language pathologist, health professional, and classroom teacher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 3312. Neuroanatomy for Communication Disorders.
This is a lecture course that examines the organization of the brain, spinal cord, and peripheral nervous system. Significance of the areas of the nervous system that are primary or secondary for speech, language and hearing are the main focus of this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 3325. Anatomy and Physiology of the Speech Production System.
Description of structure and function of the speech production system with emphasis on physical problems in speech, language, and hearing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 3459. Phonemics and Phonetics.
Analysis of normal and abnormal phonological processes in children and adults. Proficiency in transcription using the alphabet of the International Phonetic Association emphasized.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CDIS 3462. Remediation of Articulatory and Phonological Disorders.
This course prepares students to manage articulation and phonological disorders. Current therapeutic models are reviewed. Observation of therapy and instruction in preparation of written clinical reports are required. (WI) Prerequisites: CDIS 3325 and CDIS 3459 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

CDIS 3469. Introduction to Hearing Science.
Study of acoustics, auditory physiology and perception of sound. Includes discussion of auditory sensitivity, signal detection, psychoacoustic methods, perception of pitch and loudness, binaural hearing and speech perception. Associated laboratory promotes reinforcement of concepts addressed in lecture through review, problem solving and weekly assignments.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CDIS 3475. Speech Science.
Normal processes of speech production will be addressed from anatomic, physiologic, kinematic, aerodynamic, acoustic, and perceptual perspectives. Measurement and analysis techniques, instrumentation, and experimental paradigms used to study speech production and perception will be emphasized. Prerequisites: CDIS 3325 and CDIS 3459 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CDIS 4301. Advanced Independent Study.
In-depth study of selected topics in Communication Disorders for the exceptionally motivated student. Work done on an independent basis with faculty member and only with prior departmental permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CDIS 4317. Service Delivery in Communication Disorders.
Provides a foundation of clinical management to prepare CDIS students to work in a variety of settings. Emphasis will be placed on techniques of goal and objective sequencing, report writing, evaluation of services, ethics, and interdisciplinary collaboration. Prerequisite: CDIS 3462 and CDIS 4330 and [CDIS 4350 or CDIS 4466] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CDIS 4330. Speech and Language Development.
Course to acquaint students with acquisition of speech and language in children. Basic information from linguistics, psycho-linguistics, psychology, and communication are examined for children in various stages of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 4340. Augmentative Communication Systems.
Designed to review methods of non-oral communication as applied to hospital, rehabilitation, and school settings. Use of electronic communication systems emphasized. Corequisite: CDIS 4330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 4344. Clinical Practicum in Communication Disorders.
Supervised clinical practicum in speech-language pathology. Must be taken each semester student participates in any supervised clinical practicum in speech-language pathology. Prerequisites: CDIS 1331 and CDIS 3459 and [CDIS 3462 or CDIS 4466] all with grades of "C" or better. Corequisite: CDIS 4330 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 4350. Survey of Neurogenic Communication Disorders.
An introduction to acquired speech, language, cognitive and swallowing disorders resulting from brain injury. Basic neuroanatomy and physiology are reviewed, followed by discussion of the etiology, diagnosis, treatment, and prognosis of these disorders. Emphasis is placed on aphasia, motor speech disorders, right hemisphere syndrome, traumatic brain injury, dementia and dysphagia. Prerequisite: CDIS 3312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 4370. Aural Rehabilitation.
Principles and procedures in the habilitation and rehabilitation of hearing impaired children and adults. (WI) Prerequisites: CDIS 4420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CDIS 4390A. Scientific Bases of Clinical Decisions in Communication Disorders.
This course is designed to acquaint students with principles of research design, as well as the skills to locate, evaluate, and apply contemporary evidence in Communication Disorders. The ethical conduct of research will be discussed and emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CDIS 4390B. An Introduction to Stuttering and Voice Disorders.
This is an introductory course on childhood-onset stuttering and voice disorders. Specific to stuttering, students will learn the etiology, assessment and treatment of childhood-onset stuttering. Specific to voice disorders, students will learn the basic anatomy and physiology of voice, normal voice, types of voice disorders, their assessment and treatment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CDIS 4420. Introduction to Audiology.
Relates anatomy and physiology of the auditory system and the science of acoustics to the study of normal and pathological auditory function. Laboratory experience in administration and interpretation of audiological tests. Discussion of professional opportunities in the field of audiology and provision of audiological service to special populations. Prerequisite: CDIS 3469 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CDIS 4466. Clinical Management of Language Disorders.
Study of principles and procedures for the identification, description, assessment and remediation of language disorders in infants, children, and adolescents. Students will observe demonstrations of assessment procedures and types of language disorders within the context of clinical procedures. Describing observed behaviors and analyzing language samples will be emphasized. Prerequisite: CDIS 4330 with a grade of "C" or better.
4 Credit Hours. 4 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

CDIS 4680. International Multicultural Experience in Communication Disorders.
This is a Study Abroad opportunity allowing students to compare speech-language-hearing clinical and educational models in the United States with those from other countries. Emphasis is on social, linguistic, economic and cultural factors that impact assessment and treatment. This course combines time on-campus with a multi-week, international learning experience.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Bachelor of Science in Communication Disorders (B.S.C.D.) Major in Communication Disorders

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Science in Communication Disorders (B.S.C.D.) degree with a major in Communication Disorders requires admission to the university and admission to the program. For more information visit: http://www.health.txstate.edu/cdis/prospective-students/Admissions.html
2. Students are initially considered Pre-professional Communication Disorders majors. Once the student is accepted into the Junior/Senior sequence, the major becomes Communication Disorders (C.D.I.S.)
3. Admission to the C.D.I.S. junior/senior-level courses is competitive and selective. Enrollment is limited by student/faculty ratios in both academic and clinical components of the program.
4. Students must be in overall good standing to apply.
5. An overall GPA of 3.0 is required to be considered for admission.
6. The application for admission is submitted to the department by May 15th. Admission decisions are made after the end of Summer I. All students will be notified by letter of the C.D.I.S. Undergraduate Admission Committee's decisions. Student selection is made on academic performance and not on the basis of race, color, religion, gender, age, or national origin.
7. Students must have completed a minimum of 50 hours of courses from the freshman and sophomore courses listed on the C.D.I.S. degree plan. The 50 hours must be completed by the end of the Summer 1 session in the same calendar year in which the student wishes to begin the Junior/Senior sequence.

8. A minimum grade of C in support and major classes listed as part of the freshman/sophomore years in the degree plan below. These classes must be completed by the end of the Summer 1 session in the same calendar year in which the student wishes to begin the junior/senior sequence.

Code	Title	Hours
CDIS 1331	Introduction to Communication Disorders	3
HP 3302	Biostatistics	3
PSY 3300	Lifespan Development	3
HIM 2360	Medical Terminology	3
BIO 2430	Human Physiology and Anatomy	4

9. Students are ranked by their GPA in the following five required classes and admittance in the junior/senior year is based on this ranking. Preference for admission is given to students who have not repeated any of the five courses. These classes must be completed by the end of the Summer 1 session in the same calendar year in which the student wishes to begin the junior/senior sequence. The following courses must be taken in the 50 hours to be considered for admission:

Code	Title	Hours
PHYS 1310	Elementary Physics	3
CDIS 1331	Introduction to Communication Disorders	3
BIO 2430	Human Physiology and Anatomy	4
HP 3302	Biostatistics	3
PSY 3300	Lifespan Development	3

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language.
5. Students must have attained a major GPA of 2.75 to graduate.
6. The junior/senior-level CDIS course sequence begins during the fall semester only. CDIS courses must be taken in the sequence identified in the degree plan.
7. After admission into the Junior/Senior sequence, failure to enroll in all of the recommended CDIS courses for that semester as identified by an advisor in conjunction with the Degree Plan will delay graduation at least a year.
8. If a student has not earned the minimum major GPA requirement of 2.75 for graduation and has not earned "C" or higher in all CDIS courses, the student will be allowed to re-take CDIS courses only until the student achieves the GPA of 2.75. CDIS students are NOT permitted to re-take CDIS courses if they have earned C's or higher in the courses. If a grade below "C" in a junior- or senior-level CDIS courses is earned, the student will not be allowed to continue as a Communication Disorders major and must change majors to something other than CDIS. This change will be done in conjunction with the student's CDIS academic advisor and the College of Health Professions' Advising Center.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
CDIS 1331	3	Select one of the following (Life & Physical Sciences Component Code 030):	4
HIST 1310 (American History Component Code 060)	3	BIO 1330 & BIO 1130	
Select one of the following (Mathematics Component Code 020):	3	BIO 1331 & BIO 1131	
MATH 1315		HIST 1320 (American History Component Code 060)	3
MATH 1319		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MATH 1329		COMM 1310 (Component Area Option Code 090/091)	3
MATH 2417			
MATH 2471			
PSY 1300 (Social & Behavioral Sciences Component Code 080)	3		
US 1100[1]	1		
	16		16

Sophomore

First Semester	Hours	Second Semester	Hours
BIO 2430	4	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
ENG Literature (Component Area Option Code 090/094)	3	Select one of the following (Life & Physical Sciences Component Code 030):	3
POSI 2310 (Government/ Political Science Component Code 070)	3	PHYS 1310	
HIM 2360	3	PHYS 1320	
PSY 3300	3	PHYS 1315	
		PHYS 1325	
		Select one of the following:	3
		HP 3302	
		PSY 2301	
		SOCI 3307	
		CJ 3347	
		POSI 2320 (Government/ Political Science Component Code 070)	3

		Support Course	3
	16		15
			Junior
First Semester	**Hours**	**Second Semester**	**Hours**
CDIS 3312	3	CDIS 3462	4
CDIS 3325	3	CDIS 3469	4
CDIS 3459	4	CDIS 3475	4
ENG 3303	3	Support Course	3
	13		15
			Senior
First Semester	**Hours**	**Second Semester**	**Hours**
CDIS 4330	3	CDIS 4317	3
CDIS 4340	3	CDIS 4370	3
CDIS 4420	4	CDIS 4466	4
CDIS 4350	3	CDIS 4344[2]	3
		Support Course	3
	13		16

Total Hours: 120

1 If US 1100 is waived, the student must have a minimum of 120 hours to graduate. See the College Advising Center.

2 CDIS 4344 is taken either in the first or second semesters of the senior year. The department assigns which semester it is taken.

Support Courses

Code	Title	Hours
ANTH 3302	Introduction to Linguistic Anthropology	3
ANTH 3325	Medical Anthropology	3
COUN 3320	Introduction to Counseling and Psychotherapy	3
ENG 3319	The Development of English	3
HA 3309	Ethics in the Health Professions	3
PSY 3315	Abnormal Psychology	3
PSY 3316	Personality Psychology	3
PSY 3350	Cognitive Behavioral Therapies	3
SOCI 3383	Aging and Society	3

School of Health Administration

Encino Hall Room 250
T: 512-245-3494 F: 512-245-8712
www.health.txstate.edu/HA (http://www.health.txstate.edu/HA)

The Healthcare Administration major integrates healthcare management theory and practice, and prepares graduates to assume entry to mid-level management positions in a variety of healthcare settings. These settings include health maintenance organizations (HMO's), physician group practice, hospitals, insurance companies, clinics, and medical offices. Healthcare administrators manage employees, prepare and maintain budgets, procure resources and perform other administrative functions so that the clinical professionals can provide their services. The major is certified by the Association of University Programs in Health Administration.

Immunization Requirements

It is a policy of the College of Health Professions that each student must provide a Health Report completed by a physician or licensed healthcare provider, and must take certain immunizations before the student can be placed in a clinical or residency assignment. Information on these requirements and forms to be supplied may be obtained through the school office.

Bachelor of Healthcare Administration (B.H.A.)

- Major in Healthcare Administration (p. 407)

Bachelor of Science (B.S.)

- Major in Health Sciences (p. 409)

Minor

- Healthcare Administration (p. 410)

Subjects in this school include: HA (p. 405), HP (p. 407)

Courses in Healthcare Administration (HA)

HA 3308. Healthcare Organization.
Overview of the healthcare system and the role hospitals have played and continue to play in the future. Analysis of organizational structure of a hospital and other healthcare agencies, administrative and management elements necessary for policy determination, decision making, and control to achieve institutional goals and objectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3309. Ethics in the Health Professions.
This course introduces the student to a sound foundation in well-established ethical theories and a familiarity with terms, concepts and issues in ethics as applied to the health professions. Also provides practical methods for proceeding from considered reflection to informed action in solving ethical problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3311. Independent Study in Healthcare Administration.
An in-depth study of a single topic or problem confronting the healthcare industry. This course affords the student an opportunity to focus on a topic/problem or group of related problems impacting healthcare managers. This course may be repeated for credit with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HA 3315. Healthcare Administration History, Culture, and Language.
An introduction to the historical and cultural development of modern healthcare administration in contemporary American society. Special attention is given to the mores of health services delivery including critiques and use of professional behavior and language.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3324. Supervisory Management for Healthcare Managers.
Introduction to the following functions of supervisory management: planning, organizing, staffing, influencing, and controlling; as well as the connective processes of decisionmaking, coordinating, and communicating in healthcare organizations. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HA 3329. Human Resources in Healthcare Management.
Human resource management as applicable to the healthcare field. Course will cover human resource planning, staffing, job requirements, job descriptions, sources of labor supply, training and education programs, salary administration, employee communications, legal considerations, union-management relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3340. Management of Health Information Systems.
Provides an introduction to information systems for healthcare facilities and agencies. Covers determining what information is needed by whom; designing information flows, procurement of computer/telecommunication resources, assuring information security, and continuing management of information systems supporting healthcare delivery.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3341. Project Management & Professional Development in Healthcare.
This course examines the professional development and project management processes as applied to the healthcare industry. Emphasis is placed on staff development, needs analysis, task analysis, development of training and continuing education programs for healthcare personnel. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HA 3344. Patient Care Management & Quality Improvement in Health Care Integrated Delivery Systems.
This course is an introduction of integrated delivery systems and their operations. It includes an examination of patient care management and the patient experience. A framework for understanding healthcare quality efforts is also an integral part of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3347. Essentials of Healthcare Law.
This course includes a review of the laws pertaining to healthcare institutions, physicians, and other healthcare workers who contribute to patient care. Tort and contract law are emphasized. The course addresses policy issues and ethics through topics like patient rights, reproduction, and end of life decisions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3375. Principles of Accounting for Healthcare Managers.
Provides an introduction to accounting useful in healthcare facilities and agencies, and demonstrates the application of accounting principles and techniques in the healthcare field. Prerequisite: HP 3325 and [ECO 2301 or ECO 2314] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3376. Financial Management for Healthcare Managers.
A concentration in the fundamentals of healthcare financial management including the financial organization of nonprofit facilities, sources of operating revenue, management of working capital, and the allocation, control and analysis of resources. Prerequisite: HA 3375 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 4121. Problems in Healthcare Administration.
In-depth study of a singular problem considered to be of immediate concern to the health care industry. Special emphasis is placed on problems unique to managers in the field of health administration. May be repeated with permission of department chair.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HA 4141. Healthcare Comprehensive Exam and Review.
A course in which each of the respective faculty will review their portion of the comprehensive examination that all HA majors are required to successfully pass during their final semester of study. The comprehensive exam will be administered at the conclusion of the course.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 4221. Problems in Healthcare Administration.
In-depth study of a narrow range of topics considered to be of immediate concern to the health care industry. Special emphasis on problems unique to managers in the field of health administration. May be repeated with permission of department chair.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HA 4305. Healthcare Services Marketing.
The course applies the principles of services marketing to healthcare organizations. The course will present tools to identify and close the gaps that exist between customer expectation of services and the services provided and to ensure quality of health care.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 4315. Health Services Problem Solving and Decision Making.
An introduction to methodologies used to seek solutions to health administration problems which affect technical and professional personnel. Designed to place emphasis on techniques most directly applicable to models of administration and management decision making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HA 4318. Employment Law in Healthcare Management.
This course examines the legal aspects of healthcare human resource management. Each of the major federal and state enactments impacting human resource management will be studied in depth. Prerequisite: HA 3329 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 4320. Seminar in Healthcare Administration.
Current trends and problems in health administration affecting health administration technical and professional personnel. Designed to place emphasis in selected areas of administration and management. Research paper and presentation is required of each student. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

HA 4322. Public Health Administration.
This course introduces the healthcare manager to public health and its role in preventing illnesses and improving the health of the community. Students will learn about the role of the manager in disease prevention and how to participate and lead community efforts for the wellness of the community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 4325. Healthcare Strategic Management.
This capstone class integrates accounting, finance, marketing, MIS, and organizational behavior in the creation of sustainable competitive advantage. Health care case studies will be used to illustrate key concepts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HA 4440. Practicum Internship A.
Students with specialization in management participate in a health services based practicum. Experiences in providing opportunities for observation, participation, and practical application of administrative or management skills in the institutional setting are required. Must have a 2.25 major GPA and have completed all junior year major courses.
4 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 4441. Practicum Internship B.
Studies tailored to particular interests and needs of individual students. A variety of experiences may be used to enrich the program for students with special needs or demonstrated competencies. This course is taken in the final semester of study.
4 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 4848. Healthcare Administrative Residency.
Designed for students who have limited or no previous background in healthcare management/administration. Includes rotation through selected major departments, culminating in a major project. This course is taken in the final semester of study.
8 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Courses in Health Professions (HP)

HP 3302. Biostatistics.
The course introduces major statistical concepts and procedures as applied to clinical science students with an emphasis on inferential statistics. Topics include: descriptive statistics, hypothesis testing, comparison statistics, relationship statistics, association statistics, and beginning epidemiological ratios. Students are introduced to major statistical packages. Prerequisite: MATH 1315 or MATH 1319 either with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

HP 3325. Healthcare Statistics.
The course introduces major statistical concepts and procedures as applied to healthcare administration students with an emphasis on descriptive statistics. Topics include: healthcare statistical terminology, descriptive statistics, hypothesis testing, comparison statistics, relationship statistics, and association statistics. Prerequisite: MATH 1315 or MATH 1319 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Bachelor of Healthcare Administration (B.H.A.) Major in Healthcare Administration

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Healthcare Administration (B.H.A.) degree with a major in Healthcare Administration requires admission to the university and admission to the program.
2. Any student in Texas State may declare Pre-Healthcare Administration as the major. To declare Pre-Healthcare Administration as a major, contact the School Administrative Assistant and schedule an appointment with the B.H.A. Director.
3. Admission to the Healthcare Administration program is competitive with a limited number of applicants accepted to each class. In addition to the minimum criteria for program consideration,

applicants to the B.H.A. program are required to have an interview with the B.H.A. Program Director.

4. A Texas State GPA of 2.75 or higher is required for application for admission.
5. Successful completion of *all* general education core curriculum and support courses with a "C" or better in the following courses: MATH 1315 or an equivalent, ECO 2301 or ECO 2314, HP 3325 or an equivalent, and HA 3308.
6. Completion of the PUG (punctuation, usage, grammar) test with a passing score (70% or higher). Contact the testing center at: www.txstate.edu/trec/ (http://www.txstate.edu/trec) (The cost is $40 per exam for current Texas State students). Additional information on the PUG can be found here: http://www.txstate.edu/slac/stad-test-prep/pug.html
7. Completion of the application does not guarantee acceptance to the B.H.A. program. You must complete prerequisites and meet the above requirements for program acceptance. If accepted and you fail to complete prerequisites, your enrollment in HA classes will be delayed until prerequisites are completed.
8. The application packet to the B.H.A. program should be submitted by the posted deadline and include: B.H.A. Application (Click here (http://gato-docs.its.txstate.edu/jcr:9c8bdd2b-4908-49e9-b36a-24e934c70155/BHA%20ADM%20APPL__.doc)), Interview Sheet signed by the B.H.A. Program Director (See below) Interview with the B.H.A. Program Director -- signature required on the application; Copy of current schedule (Texas State and other college or university); Statement of Purpose; Passing score on PUG must be on file by application deadline.
9. The Statement of Purpose is a short essay that explains why you wish to be admitted to this program. It provides information about your interest in the health administration profession. The essay should be no longer than one single-spaced page. Be sure to check your essay's grammar, spelling, and punctuation.
10. The application packet is due: (if the 1st falls on a weekend or holiday, application is due by NOON next working day) Application Deadline for spring - October 1 and the Application Deadline for fall - March 1
11. Applications are to be turned in to the Health Admission Office.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language.
5. All students are required to complete a residency for the B.H.A. The Joint Commission requires accredited healthcare facilities to complete criminal background checks on all employees. Therefore, a background check is required during your 3rd semester (enrollment in HA 4141) prior to the residency semester. If there is any reason that could prevent your placement at a facility, you will be asked to meet with the B.H.A. Program Director and/or the Field Placement Coordinator to determine if you will be able to complete the residency requirement. Issues with the background check could impact residency placement and ability for employment in the healthcare industry.
6. All students must pass an EXIT exam administered in HA 4141.
7. All students are required to have attained a grade of "C" or higher in each HA course. Students are required to take HA courses in a prescribed sequence. All 3000-level courses must be completed before enrolling in any 4000-level courses. All 4000-level courses must be completed before enrolling in field placement.
8. Students are allowed to repeat each HA course once, and only once, to improve their grade. In the event that B.H.A. students do not make a "C" or better when repeating a course, they will be suspended from the major. B.H.A. students suspended from the B.H.A. program have a right of appeal and should contact the B.H.A. Director.
9. All students are required to pass an EXIT exam administered in HA 4141 before enrolling in field placement.
10. All students must have attained a 2.00 Texas State GPA or better and 2.25 HA GPA or better.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1320 (American History Component Code 060)	3
HIST 1310 (American History Component Code 060)	3	Life & Physical Sciences Component Code 030	3
Select one of the following (Mathemati Component Code 020):	3	Social & Behavioral Sciences Component Code 080	3
MATH 1315		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MATH 13			
MATH 1329			
MATH 24			
MATH 2471			

Life & Physical Sciences Component Code 030	3				
US 1100[1]	1				
	16		15		

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
ENG Literature (Component Area Option Code 090/094)	3	POSI 2320 (Government/ Political Science Component Code 070)	3	Elective	5
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	ECO 2301 or 2314	3		
POSI 2310 (Government/ Political Science Component Code 070)	3	Select one of the following:	3		
CIS 1323 or CS 1308	3	CJ 3347			
Elective	3	HP 3325			
		HP 3302			
		PSY 2301			
		SOCI 330			
		HA 3308	3		
		Elective	3		
	15		15		5

Junior

First Semester	Hours	Second Semester	Hours
HA 3309	3	HA 3341	3
HA 3324	3	HA 3340	3
HA 3315	3	HA 3376	3
HA 3375	3	HA 3344	3
HA 3329	3	HA 3347	3
	15		15

Senior

First Semester	Hours	Second Semester	Hours
HA 4305	3	HA 4848	8
HA 4315	3		
HA 4318	3		
HA 4322	3		
HA 4325	3		
HA 4141	1		
	16		8

Total Hours: 120

[1] If US 1100 is waived, the student must have a minimum of 120 hours to graduate. See the College Advising Center.

Bachelor of Science (B.S.) Major in Health Sciences

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language.
5. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
Mathematics Component Code 020 select 1 of the following:	3	PHIL 1305 (Language, Philosophy & Culture Component Code 040)	3
MATH 1315		PSY 1300 (Social & Behavioral Sciences Component Code 080)	3
MATH 1319		POSI 2320 (Government/ Political Science Component Code 070)	3
MATH 1329		CHEM 1341 (Life & Physical Sciences Component Code 030)	3
MATH 2321		Prescribed Elective[1]	1
MATH 2417			
MATH 2471			
BIO 1330 (Life & Physical Sciences Component Code 030)	3		

POSI 2310 (Government/ Political Science Component Code 070)	3		
US 1100	1		
Prescribed Elective[1]	1		
	14		16

Sophomore

First Semester	Hours	Second Semester	Hours
ECO 2301 or 2314	3	HIST 1320 (American History Component Code 070)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	ENG Literature (Component Area Option Code 090/094)	3
HIM 2360	3	CS 1308 or CIS 1323	3
HIST 1310 (American History Component Code 060)	3	HP 3325, SOCI 3307, PSY 2301, CJ 3347, or MATH 2328	3
COMM 1310 (Component Area Option Code 090/091)	3	NUTR 2360	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
HA 3308	3	HS 3374	3
PSY 3300	3	HA 3324	3
Support Course[2]	3	Support Course[2]	3
Minor	6	Minor	6
	15		15

Senior

First Semester	Hours	Second Semester	Hours
HS 4327	3	HS 4379	3
Support Course[2]	3	Support Course[2]	3
Prescribed Electives[1]	6	Prescribed Electives[1]	6
Minor	3	Minor	3
	15		15

Total Hours: 120

[1] Prescribed Electives may be chosen from the following: AT 3358, BIO 1130, BIO 1131, CDIS 1331, CHEM 1141, CHEM 1142, CHEM 2130, CHEM 2141, CHEM 2142, COMM 4326, ESS 3117, ESS 3317, HA 3344, HA 4305, HA 4322, HA 4440, HIM 3311, MC 4322, MKT 3343, NURS 3302, NUTR 1362, NUTR 3364, PFW 1301, PH 1310, PH 1320, PH 2340, PH 3301, PH 3348, PH 3350, PH 4336, PHYS 1110, PHYS 1115, PHYS 1125, PSY 3361, RC 2213, SOCI 3300, SOCI 3329, SOCI 3363, SOCI 3383, SOCI 3384

[2] Support Courses may be chosen from the following: BIO 1331, BIO 2430, BIO 2400 or BIO 2440, BIO 2451, BIO 2452, CHEM 1342, CHEM 2330, CHEM 2341, CHEM 2342, PHYS 1310, PHYS 1315, PHYS 1320, PHYS 1325

Minor in Healthcare Administration

The minor in Healthcare Administration requires 18 semester credit hours. The Healthcare Administration minor is designed to complement the student's major with the objective of providing an introductory curriculum, which can assist the student in gaining employment in healthcare and healthcare related career fields. This objective can be achieved by: building on general education core foundations; offering scheduling flexibility for non-traditional students; introducing students to health services management functions through the mastery of certain skills including communication, decision-making, and coordination, unique to healthcare administration; and preparing students for graduate study. The minor requires 18 hours including:

Code	Title	Hours
Required Courses		
HA 3308	Healthcare Organization [1]	3
HA 3324	Supervisory Management for Healthcare Managers	3
HA 3347	Essentials of Healthcare Law	3
Electives		
Choose 9 hours from the following:		9
HA 3309	Ethics in the Health Professions	
HA 3315	Healthcare Administration History, Culture, and Language	
HA 3329	Human Resources in Healthcare Management	
HA 3340	Management of Health Information Systems	
HA 3341	Project Management & Professional Development in Healthcare	
HA 3344	Patient Care Management & Quality Improvement in Health Care Integrated Delivery Systems	
HA 3375	Principles of Accounting for Healthcare Managers	
HA 3376	Financial Management for Healthcare Managers	
Total Hours		18

[1] HA 3308 must be taken prior or concurrent with other HA courses.

Department of Health Information Management

Encino Hall Room 310B
T: 512-245-8242 F: 512-245-8258
www.health.txstate.edu/HIM (http://www.health.txstate.edu/HIM)

The Health Information Management major prepares students to work in the health information management profession which focuses on healthcare data and the management of health care information resources. The profession addresses the nature, structure, and translation of data into usable forms of information including the electronic health record for the advancement of health and health care of individuals and populations.

Health Information Management professionals collect, integrate, and analyze primary and secondary healthcare data, disseminate information, and manage information resources related to the research, planning, provision, and evaluation of healthcare services. HIM professionals are an integral part of the planning, implementing and utilization of electronic health record systems.

Health Information Management professionals work in multiple settings throughout the healthcare industry. These include the continuum of care delivery organizations; hospitals, multispecialty clinics and physician practices, long-term care, mental health, and other ambulatory care settings. The profession has recently seen significant expansion in nonpatient care settings, with careers in managed care and insurance

companies, electronic health record vendors, consulting services, government agencies, education, and pharmaceutical companies.

The program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education. Upon completion of the degree, graduates of the program are eligible to sit for the RHIA (Registered Health Information Administrator) examination offered by the American Health Information Management Association.

The BSHIM is offered in two formats—the traditional campus-based program and an online program.

- The traditional campus-based program is a two plus two program with completion of general education core curriculum and program prerequisite coursework during the first two years. Following application and acceptance into the program, the final two years consist of the professional coursework reinforced with a professional practice experience assignment in a hospital or health care related organization. Application deadline is March 31st.
- The online program is offered to non-traditional students who have completed the general education core curriculum and program prerequisite coursework and those who have already completed an associate degree in health information or other degree. The courses in this format are offered via web-based instruction, independent study, and a professional practice experience. Application deadline is March 31st.

Immunization Requirements

It is a policy of the College of Health Professions that each student must provide a Health Report form completed by a physician or licensed healthcare provider, providing evidence of specific immunizations before the student can be placed in a professional practice experience assignment. Information on these requirements and forms may be obtained through the Department of Health Information Management.

Background Checks and Drug Screening

As a condition for placement in professional practice experience sites, students may be required to have a background check and/or drug screening and/or meet other specific requirements as set by individual sites. Information on these requirements may be obtained through the Department of Health Information Management.

Bachelor of Science in Health Information Management (B.S.H.I.M.)

- Major in Health Information Management (p. 413)

Minor

- Health Information Management (p. 415)

Courses in Health Information Management (HIM)

HIM 2345. The Language of Healthcare: Spanish.
An introduction of the practical language used in clinical settings to facilitate interaction with Spanish-speaking patients and healthcare professionals. Special emphasis is placed on the use of meaningful medical vocabulary for various healthcare professionals who work with Spanish-speaking patients and their families. Prerequisite: Two semesters of Spanish both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 2360. Medical Terminology.
Recognizing and understanding the vocabulary of the health care professions. Emphasis on medical prefixes, suffixes, and word roots as used in oral and written communications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3301. Principles of Health Information Management.
Exploration of the expanding role of the HIM professional. Emphasis will be on the organizational structure and delivery of healthcare in hospitals and other healthcare agencies and the associated roles of HIM professionals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3310. Fundamentals of Health Information Systems.
An introduction to the information technology aspects of health information management to include hardware components, systems architecture, operating systems, languages, software applications, tools, and related topics and concepts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3311. Health Informatics, Analytics and Data Use.
This course provides an overview and introduction to healthcare data management. Topics in the course will include the system development life cycle, project management, information infrastructure and data analytics. Implementing healthcare information systems, decision making, and consumer informatics will also be examined.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3350. Legal Aspects of HIM.
A study of the legal issues of Health Information Management with focus on statutory and regulatory requirements, case law and practical applications. Special legal problems associated with access to patient information, disposition of records, confidentiality and privacy, reporting requirements and compliance with current state and federal legislation are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3364. Coding and Classification Systems.
This course provides an introduction to ICD, CPT and other classifications and nomenclatures. Emphasis will be placed on the assignment of diagnosis and procedure codes. Management and use of encoding systems is examined. Prerequisite: Instructor approval.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

HIM 3367. Disease and Medical Science.
This course provides an introduction to the general disease process. Stress is placed upon the occurrence of disease, the signs and symptoms of disease, the test values and findings of disease, and the therapeutic treatment of disease.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3380. Quality Improvement Regulations & Procedures for HIM.
Overview of regulatory agency requirements for quality improvement, utilization management and risk management. Methods for integrating these procedures for credentialing and peer review are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3390. Principles of Management in HIM.
This course provides a study of the principles of management in healthcare and related organizations. The course provides the opportunity to apply the fundamentals of management including ethical decision making and human resources in the expanded role of the HIM Professional.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3463. Introduction and Technical Aspects of Health Information Management.
An introduction into principles and procedures used in health records organization, maintenance and retention, numbering and filing systems and procedures, forms control and design, and imaging. Emphasis placed on functions and duties of the HIM administrator, and relationships of the medical record to the health care delivery system.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 4101. Problems in Health Information Management.
Comprehensive study of selected problems related to professional practice issues and changes in the health information management field. Emphasis will be on problem solving and application of management skills. May be repeated with permission of department chair.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIM 4320. Principles of Information Governance.
This course applies the principles of Information Governance to guide the HIM professional's evolving role in the transition from paper to electronic health records and managing the increasing volume of electronic health data. Topics include data architecture, analytics, integrity, quality and decision support; enterprise content management; and consumer informatics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIM 4331. Health Information Management Research and Data Analysis.
An introduction to research methods and experimental inquiry to acquaint the student with skills to critique and conduct studies in the health information management domains. The course will also provide the foundation for compiling, analyzing, and displaying statistics related to the delivery of healthcare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 4363. Comparative Record Systems.
Theory and procedures for the maintenance and regulation of patient health information records in non-hospital medical care facilities to include long term care, ambulatory care, psychiatric care, rehabilitation and prison record keeping systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 4364. Coding and Compliance for HIM.
This course provides a continued study of coding and classification systems including the role of mapping among clinical terminologies. Compliance activities and methods will be covered for HIM topics to include code audits, fraud and abuse, and clinical documentation improvement.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

HIM 4370. Finance and Reimbursement Methodologies for HIM.
Course will address the reimbursement cycle from patient registration to claims billing with an emphasis on federal regulations and the role of HIM regarding payment systems. Topics will include accounting principles, budget processes, cost/benefit analysis, healthcare finance, compliance strategies, charge-master and casemix management, and payment systems and plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 4383. Seminar in Health Information Management.
Problem-solving course designed to assimilate actual internship encounters and theory. Emphasis is on integration of knowledge and making transition to the applications required to function as a health information manager.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIM 4385. Health Information Management Practicum.
Assignments made to promote uniformity and competency levels required of entry-level health information management professionals with practical application of administrative, management, and problem-solving skills required to complete projects and portfolio material. (WI).
3 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIM 4388. Practicum.
Faculty-led administrative training for the associate degree health information progression student. Emphasis is placed on analysis of HIM personnel functions, interdepartmental relations, use of health information technology, and committee assignments. Full-time participation of the student is required.
3 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Lab Required|Time Conflicts Permitted|Writing Intensive
Grade Mode: Credit/No Credit

HIM 4389. Professional Practice Experience.
Supervised management experience and training in a healthcare or related setting. Student will participate in administrative, management, and problem-solving activities in the institutional setting. Full-time participation is required. Option for health information associate degree and post-baccalaureate students. (WI).
3 Credit Hours. 1 Lecture Contact Hour. 40 Lab Contact Hours.
Course Attribute(s): Lab Required|Time Conflicts Permitted|Writing Intensive
Grade Mode: Credit/No Credit

HIM 4390. Contemporary Leadership Principles for HIM.
An analysis of the expanded role of the Health Information Management professional in the healthcare environment and application of the principles involved. Topics include strategic planning and forecasting, marketing, entrepreneurialism, leadership, motivation, consensus building, workforce diversity, change management, work redesign/reengineering, and project management. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIM 4393. Project Management for Health Information Management.
This course provides pragmatic guidance in the management of HIM projects by analyzing critical success factors and skills required to organize, plan, monitor, and control projects in healthcare settings. Cost and schedule estimation techniques are presented together with proposal writing, negotiation, communication, risk management, HIM technology assessment, and quality measurement. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIM 4401. Organizational Management of Health Information Technology.
This course studies the integrated use of health information technology throughout the healthcare organization. Students will evaluate how technology impacts the overall hospital operations from both a clinical and an administrative perspective, and will use planning and assessment tools to simulate health information technology system implementation.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 4501. Professional Practice Experience.
Supervised management experience and training in a healthcare or related setting. Student will participate in administrative, management, and problem-solving activities in the institutional setting. Full-time participation is required in addition to scheduled campus visits. (WI).
5 Credit Hours. 1 Lecture Contact Hour. 40 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Credit/No Credit

Bachelor of Science in Health Information Management (B.S.H.I.M.) Major in Health Information Management

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Science in Health Information Management (B.S.H.I.M.) degree with a major in Health Information Management requires admission to the university and admission to the program. For more information visit: http://www.health.txstate.edu/him/
2. University application deadlines are different than the Health Information Management (H.I.M.) program deadline. Potential program applicants are encouraged to complete the University process early to facilitate review of transcripts during the H.I.M. program application process.
3. Any student may declare Pre-Health Information Management as their major. To declare Pre-HIM as a major, contact the College of Health Professions Advising Center. It is strongly recommended that students present themselves for academic advising as soon as health information management has been selected as a major.
4. Students must have completed the majority of the general education core curriculum and other prerequisite coursework listed below before being allowed to enroll in the H.I.M. program:

Code	Title	Hours
HIM 2360	Medical Terminology	3
BIO 2430	Human Physiology and Anatomy	4
CIS 1323	Introduction to Microcomputer Applications	3
or CS 1308	Computer Literacy and the Internet	
HP 3302	Biostatistics	3
or PSY 2301	Introduction to Statistics	
or MATH 2328	Elementary Statistics	

or SOCI 3307	Statistics for the Behavioral Sciences
or CJ 3347	Statistics For Criminal Justice

5. Students must have a maximum of nine hours of general education core curriculum and prerequisite coursework remaining to be completed in the summer following the application deadline.
6. Students must have a minimum overall GPA of 2.50 to apply.
7. Students must submit H.I.M. program application by March 31st for consideration to begin the HIM coursework in the fall semester.
8. Students will be required to interview with the H.I.M. Program Admissions Committee.
9. Advanced placement in the major coursework due to previous health information or related coursework and/or work experience will require a review of the student's credentials and transcripts. Due to course sequencing and the scheduling of the professional practice experience assignment, students who drop out of the program for one or more semesters will be required to reapply for admission and be re-interviewed by the admissions committee.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language.
5. To graduate with a B.S.H.I.M., students must successfully complete all HIM courses with a "C" or higher. HIM courses are to be taken in a lock-step sequence. Most courses are offered only once each academic year; therefore, progress in the program may be delayed if a student falls out of sequence due to failure to successfully complete the HIM courses with the required "C" or higher. Due to course sequencing and the scheduling of the professional practice experience assignment, students who drop out of the program for one or more semesters will be required to reapply for admission and be re-interviewed by the admissions committee for consideration to be allowed to continue in the program.
6. All students must have attained a 2.0 or higher Texas State University GPA with a minimum of 2.25 GPA in the HIM major courses to graduate.
7. During the second semester of the senior year students are required to take a five-week professional practice experience course. This course requires that the students spend a minimum of five weeks in other institutions (hospitals or healthcare related organizations) away from campus. Or, students who have already completed an associate degree in health information or another bachelor's degree or who have significant healthcare experience are required to complete a two-week professional practice experience course. Students must furnish their own transportation and housing. Due to the time and distances involved, no courses other than those listed can be taken in the final semester of the senior year.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
Mathematic Component Code 020 Select one of the following:	3	HIST 1310 (American History Component Code 060)	3
MATH 1315		Life & Physical Sciences Component Code 030	3
MATH 13		Social & Behavioral Sciences Component Code 080	3
MATH 1329		CIS 1323 or CS 1308	3
MATH 24			
MATH 2471			
POSI 2310 (Governmen Political Science Component Code 070)	3		
COMM 1310 (Component Area Option Code 090/091)	3		
US 1100[1]	1		
	13		15

Sophomore

First Semester	Hours	Second Semester	Hours
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
Life & Physical Sciences Component Code 030	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3

HIM 2360	3	BIO 2430	4		
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	Select one of the following:	3		
ENG Literature (Component Area Option Code 090/094)	3	HP 3302			
		PSY 2301			
		CJ 3347			
		MATH 23			
		SOCI 3307			
	15		13		

First Semester	Hours	Second Semester	Hours	Summer	Junior Hours
HIM 3301	3	HIM 3311	3	HIM 4370	3
HIM 3310	3	HIM 3350	3	HIM 4363	3
HIM 3463	4	HIM 3380	3		
HIM 3367	3	HIM 3364	3		
HIM 3390	3	HIM 4393	3		
	16		15		6

First Semester	Hours	Second Semester	Hours	Senior
HIM 4401	4	HIM 4383	3	
HIM 4331	3	HIM 4385	3	
HIM 4364	3	HIM 4390	3	
HIM 4320	3	HIM 4501	5	
	13		14	

Total Hours: 120

[1] If US 1100 is waived, the student must have a minimum of 120 hours to graduate. See the College Advising Center.

Minor in Health Information Management

The minor in Health Information Management requires 22 semester credit hours. Appropriate sequencing of courses is necessary for progression to subsequent courses. This minor would enhance and broaden the scope of various other fields of study by providing a well-rounded introduction and an opportunity for practical applications of the administrative functions related to the management of health information. Completing this minor does not meet eligibility requirements for the R.H.I.A. (Registered Health Information Administrator) certification examination offered by the American Health Information Management Association. Academic advisement is important prior to enrolling in HIM minor courses due to sequencing requirements.

Code	Title	Hours
Required Courses		
HIM 3350	Legal Aspects of HIM	3
HIM 3380	Quality Improvement Regulations & Procedures for HIM	3
HIM 3390	Principles of Management in HIM	3
HIM 3463	Introduction and Technical Aspects of Health Information Management	4
HIM 4331	Health Information Management Research and Data Analysis	3
HIM 4363	Comparative Record Systems	3
HIM 4385	Health Information Management Practicum	3
Total Hours		22

St. David's School of Nursing

Nursing Building
Round Rock Campus
100 Bobcat Way
Round Rock, TX
T: 512.716.2900 F: 512.716.2911
www.nursing.txstate.edu (http://www.nursing.txstate.edu)

The St. David's School of Nursing, located in Round Rock, educates and prepares graduates, using innovative teaching strategies and state-of-the-art technology. Graduates provide ethical, safe, and effective patient-centered care and contribute to present and emerging research and health management practices. Graduates demonstrate competence in clinical judgement, collaborate as member and leaders of interprofessional healthcare teams, and utilize scientifically-based interventions. As caring professional nurses, graduates manage illness; promote, maintain, and restore health; and provide end-of-life care for diverse individuals, families, populations, and global communities across the lifespan.

The nursing program offers two undergraduate nursing programs. The first is a traditional face-to-face upper division Bachelor of Science in Nursing (BSN). Graduates of the traditional BSN program are prepared to sit for the National Council Licensure Examination for Registered Nurses (NCLEX-RN®) and to meet the minimum competencies for beginning practice as a R.N.

The BSN curriculum is 120 hours, including 61 hours of Texas State core curricular and prerequisite courses; and 59 hours of nursing courses. The traditional degree program in nursing is a face-to-face five semester program beginning at the junior level. Academic study in nursing is combined with clinical experiences in affiliated clinical settings, as well as hours spent in the simulation laboratories in the School of Nursing Building. The curriculum is designed to accommodate the latest teaching technologies and learning strategies to provide students with the skills, knowledge and abilities needed for professional nursing practice in the 21st century.

The second undergraduate nursing program is a hybrid BSN completion program (RN to BSN). This program is for students who hold an associate's nursing degree from an accredited college. The BSN completion curriculum includes 60 hours of nursing courses. The RN to BSN program is hybrid with online didactic components, as well as

strategically placed face-to-face experiences. The curriculum is designed for flexibility with the option of full or part-time study. Students can finish in as little as two semesters or as many as 6 semesters with extension by permission from the undergraduate program director.

Our graduates are prepared to pursue clinical excellence and certification by the American Nurses Credentialing Center (ANCC) and to continue formal education for the Master's Degree and Doctorate in Nursing. Nursing programs offered in the St. David's School of Nursing are accredited by the Commission on Collegiate Nursing Education (CCNE).

Immunizations and Basic Life Support

It is a policy of the College of Health Professions that each student will complete a Health Certificate and Immunization Test Form. These forms must be signed by a physician or licensed healthcare provider. Students must stay current on immunizations. Basic Life Support for Healthcare Professionals is also to be completed and remain current.

Criminal Background Check and Drug Screen

The traditional BSN student will undergo two background checks. The first criminal background check conducted through the Board of Nursing is required prior to admission to the St. David's School of Nursing at Texas State. The second background check, conducted by a third-party vendor, is required by our clinical partners and a valid social security number must be submitted Both traditional and RN to BSN students must complete the third-party background check and drug screen as part of the admission process. All nursing students are subject to random, or for cause, drug and alcohol screens.

Bachelor of Science in Nursing (B.S.N.)

- Major in Nursing (p. 418)
- Major in Nursing (RN to BSN Online Completion Program) (p. 420)

Courses in Nursing (NURS)

NURS 3110. Health Assessment Across the Life Span Practicum.
This course requires demonstrated competency in the performance and documentation of physical assessments of well individuals and nursing care plans using the nursing process, critical thinking, and evidence-based practice. Apply teaching/learning principles in meeting the education needs of patients and demonstrate measures to maintain confidentiality of personal health information.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 3121. Essentials of Nursing Care Practicum.
This course requires the use of nursing process and clinical reasoning principles to provide safe, effective, patient-centered care. Evidence-based practices will be used when performing essential nursing skills and procedures to care for patients experiencing acute and chronic alterations in health status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 3221. Essentials of Nursing Care.
This foundation course focuses on basic concepts related to essential nursing care of patients across the life span. Integration of knowledge of family systems, evidence-based practice, clinical reasoning, and the nursing process to provide safe, effective, patient-centered care will occur.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

NURS 3230. Healthcare Systems.
Access and barriers to healthcare, past and current healthcare policy, and the professional nurse's role in policy and delivery of healthcare, will be emphasized. Qualitative and quantitative research in relation to healthcare systems, evidence based nursing practice, and ethical topics will be discussed.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 3240. Nursing Care Across the Life Span Practicum.
This course uses clinical experiences to apply the nursing process in providing safe, effective, and quality care to patients and families across the life span. Clinical reasoning and judgment will be used to provide ethical, holistic, and patient-centered nursing care, promote health, prevent disease, and manage illness.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 3241. Acute Nursing Care of Adults Practicum.
This course requires students to use evidence-based and collaborative practice principles in providing safe, effective, and quality care to adult patients experiencing acute, rapidly changing, life-threatening alterations in health status. Clinical reasoning and judgment will be used to provide ethical, holistic, patient-centered nursing care, manage illness, and promote health.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 3250. Health Assessment Across the Life Span.
Conducting health histories and physical assessments of well individuals and developing nursing care plans that include patient age-specific health promotion, illness prevention, and risk factors will be emphasized. Assessments will encompass cultural domains, diversity, belief systems, and the implications for traditional as well as complementary and alternative healthcare.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 3260. Psychiatric Mental Health Nursing Practicum.
This course utilizes clinical experiences to promote application of the nursing process in providing quality care to those experiencing mental health issues across the life span. Competency in using evidence-based practices to promote health, prevent disease, and manage illness will be developed.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 3300. Foundations of Professional Nursing Practice.
This course explores the history of nursing in the context of the evolving healthcare system. Laws, regulations, and ethical guidelines impacting nursing licensure and professional practice will be examined. The delivery of patient and family-centered, evidence-based, and safe quality care will be explored. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

NURS 3302. Research and Ethics.
Introduction to critical appraisal of qualitative and quantitative research, and application of research and evidence-based processes used to improve decision-making and patient care outcomes across health settings. Integration of theory, information systems, clinical judgment, interprofessional perspectives and analysis of ethical conduct provide a foundation for learning the research process. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

NURS 3360. Psychiatric Mental Health Nursing.
This course applies theories, concepts, knowledge, and skills for the comprehensive nursing care of those coping with mental health issues. Building on a liberal education, this course integrates theories of mental illness, psychopathology, and current research findings as they relate to the presentation of symptoms and holistic management of care.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 3430. Pathophysiology and Pharmacology for Nurses.
Introduction and overview of pathology, clinical pharmacology and pharmacotherapeutics, including how major drugs are used therapeutically for age-specific clients. Other topics to be covered include drug laws and regulations, patient and nurse safety.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 3440. Nursing Care Across the Life Span.
This foundational course focuses on the use of clinical reasoning and judgment to provide collaborative care to patients across the life span experiencing chronic and acute alterations in health status. Content is presented based on evidence-based practice and the prevalent health needs of patients. Prerequisite: NURS 3430 with a grade of "D" or better.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

NURS 3441. Acute Nursing Care of Adults.
This course focuses on the use of evidence-based practice and clinical reasoning and judgment to provide collaborative care to adult patients experiencing acute, rapidly changing, life-threatening alterations in health status.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 4160. Maternal and Newborn Nursing Practicum.
This course is the clinical companion to NURS 4260. Concepts, knowledge, and skills taught in NURS 4160 will be applied to both simulation lab and clinical settings. Evidence-based, developmentally and culturally appropriate nursing care in a variety of patient-care settings will be emphasized.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 4170. Pediatric Nursing Practicum.
This course is the clinical companion to NURS 4270. Concepts, knowledge, and skills taught in NURS 4270 will be applied in the simulation lab and clinical settings. Evidence-based, developmentally and culturally appropriate nursing care in a variety of patient-care settings will be emphasized.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 4201. Professional Growth and Empowerment.
This course focuses on issues related to professional practice, career planning, personal goal setting, and empowerment of self and others. Factors related to job performance, performance expectations and evaluation, reality orientation, and commitment to lifelong learning will be discussed.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 4204. Policy, Ethics, and Advocacy in Professional Nursing Practice.
This course explores the baccalaureate prepared nurse's role informing the public policy process. Nursing jurisprudence, principles of nursing ethics, patient safety advocacy, standards and scope of nursing practice, professional boundaries, nursing peer review, and whistleblower protections are emphasized to prepare students to influence the U.S. Health Care System and society.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 4205. Healthcare Information Technology in Nursing Practice.
This course emphasizes nursing informatics and technology used in healthcare settings to research, support and implement safe quality patient care. Nursing administrative applications, pre-care and care support, electronic health records, clinical information systems, telehealth, informatics promoting community and consumer health, HIPAA, and technology to enhance collaboration in healthcare are covered.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 4211. Nursing Care in Complex Health Practicum.
This course focuses on providing care to patients with complex health alterations and life situations. Nursing care to patients in a variety of settings will be provided using the concepts of therapeutic communication and collaborative interventions with a focus on the complexity of the patient's or family's needs.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 4260. Maternal and Newborn Nursing.
This course applies the nursing process and evidence-based practice to the care of maternal and newborn patients in a variety of healthcare settings. The course emphasizes the use of the nursing process to provide care to individuals and families that is developmentally and culturally focused.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 4270. Pediatric Nursing.
This course applies the nursing process and evidence-based practice to the care of pediatric patients in acute, outpatient and non-acute care settings. The course emphasizes the use of the nursing process to provide care to individuals and families that is developmentally and culturally appropriate.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 4280. Community and Population Health Nursing Practicum.
Clinical experiences will expose students to a variety of community and public health environments, health programs and policies in order to learn how nursing care is delivered to populations in community settings.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 4302. Role Transition to Professional Nursing.
This didactic course focuses on role responsibility and accountability for transition into baccalaureate nursing practice. Emphasis is given to core professional standards and ethical values fundamental to nursing. Principles of professional communication, critical thinking, and role socialization will be integrated within an organizational context for professional growth. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

NURS 4303. Safety and Quality in an Interprofessional Environment.
This course emphasizes the professional nurses' role in application of evidence based quality improvement and risk reduction strategies that promote safe environments while maximizing resources and opportunities for positive patient outcomes. Participation in highly effective Interprofessional teams is emphasized with concepts applied to local, national and international health issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 4311. Nursing Care in Complex Health.
This course explores traditional and contemporary nursing concepts related to complex health alterations, compensations, and environments across the life span. Therapeutic communication, education, and collaborative interventions with diverse individuals and groups are emphasized including the use of complementary and alternative modalities to meet the needs of patients.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

NURS 4341. Leadership and Management of Nursing Care Practicum.
Leadership and management skills in a variety of nursing care situations will be applied. Nursing unit leadership and staff assignments based on assessment of client needs, resources, priorities, and competencies of staff will be covered. Assessment and evaluation of the provision of evidence-based nursing care will be performed.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 4351. Leadership and Management of Nursing Care.
Students discuss leadership and management theories related to organizational nursing roles, including competencies required for complex change, performance improvement, and transformational leadership. Organizational contexts, structure, processes, and culture, in leading and directing patient centered care are examined, along with relationships between governance structures, practice environments, and positive patient outcomes. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

NURS 4380. Community and Population Health Nursing.
This course explores concepts of Community-Oriented Nursing Practice with an emphasis on using the nursing process to assess the health of communities and diverse populations. Public Health Nursing Practice and Community-Based Nursing Practice are discussed with an emphasis on health promotion and the prevention of disability and disease.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

Bachelor of Science in Nursing (B.S.N.) Major in Nursing

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Science in Nursing (B.S.N.) degree with a major in Nursing requires admission to the university and admission to the program. For more information visit: http://www.nursing.txstate.edu/
2. The application period for the Nursing program begins October 1 and closes January 15.
3. Admission to the undergraduate major in nursing is competitive and selective. Applicants must first be admitted to Texas State University prior to submitting the St. David's School of Nursing application.
4. Applicants must have a prerequisite GPA of 2.90 or higher and a science GPA of 3.00 or higher. However, a 3.0 prerequisite GPA is recommended to be competitive in the application process. The prerequisite GPA is calculated based on grades in all core curriculum and major prerequisite courses, and must include the following courses:

Code	Title	Hours
BIO 1330	Functional Biology	3
BIO 2440	Principles of Microbiology	4
or BIO 2400	Microbiology	
BIO 2451	Human Anatomy and Physiology I	4

BIO 2452	Human Anatomy and Physiology II	4
CHEM 1341	General Chemistry I	3
MATH 1315	College Algebra	3
or MATH 1319	Mathematics for Business and Economics I	
or MATH 1329	Mathematics for Business and Economics II	
PSY 1300	Introduction to Psychology	3

5. Science courses require a minimum grade of "C" for admission. A maximum of 8 attempts (including W) on the 5 science courses listed below, with no more than 2 attempts on any one science course, is permitted. There can be a maximum of 18 remaining prerequisite credit hours, (including no more than 2 of the 5 science courses) left to complete in the spring and summer semesters before final admission to the St. David's School of Nursing. The science GPA is calculated based on grades in the following courses:

Code	Title	Hours
BIO 1330	Functional Biology	3
BIO 2440	Principles of Microbiology	4
or BIO 2400	Microbiology	
BIO 2451	Human Anatomy and Physiology I	4
BIO 2452	Human Anatomy and Physiology II	4
CHEM 1341	General Chemistry I	3

6. An application fee must accompany the St. David's School of Nursing application.
7. Additional criteria include a personal persuasive essay, scores from the Test of Essential Academic Skills (pre-nursing entrance assessment) and 2 professional or academic references.
8. One hundred (100) highly qualified junior level students are admitted each fall.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. For transfer students, 34 semester credit hours may be transferred from a Texas public institution of higher education for the Nursing Field of Study and be applied to the Bachelor of Science in Nursing degree with a major in Nursing at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
BIO 2440	Principles of Microbiology	4
TCCN: BIOL 2421 or 2420		
CHEM 1341	General Chemistry I	3
TCCN: Any 4 SCH course including lab (CHEM 1341 + 1 hour ELNA)		
NUTR 2360	Nutrition Science	3
TCCN: BIOL 1322/HECO 1322		
BIO 2451	Human Anatomy and Physiology I	4
TCCN: BIOL 2401		
BIO 2452	Human Anatomy and Physiology II	4
TCCN: BIOL 2402		
PSY 1300	Introduction to Psychology	3
TCCN: PSYC 2301		
PSY 3300	Lifespan Development	3
TCCN: PSYC 2314		
MATH 2328	Elementary Statistics	3
TCCN: MATH 1342		
ENG 1310	College Writing I	3
TCCN: ENGL 1301		
ENG 1320	College Writing II	3
TCCN: ENGL 1302 or ENGL 2311		
Total hours		34

3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine hours of writing intensive (WI) courses are required for graduation.
5. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language.
6. To graduate with a B.S.N., a student must successfully complete all nursing courses with a "C" or better in addition to completing all prerequisite courses.
7. All students must have attained a 2.0 or higher Texas State University GPA with a minimum of a 2.50 GPA in the Nursing major to graduate.
8. All students must complete the B.S.N. program in three years from the time of first admission.
9. Each nursing course is offered only once each academic year; therefore, progress in the program is delayed if the student fails a course. A student may repeat a nursing course only once. Following a second nursing course failure or withdrawing from nursing courses, the student is dismissed from the nursing program, but not from Texas State University.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
BIO 1330 (Life & Physical Sciences Component Code 030)	3	CHEM 1341 (Life & Physical Sciences Component Code 030)	3
HIST 1310 (American History Component Code 060)	3	HIST 1320 (American History Component Code 060)	3

MATH 1315, 1319, or 1329 (Mathematics Component Code 020)	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
PSY 1300 (Social & Behavioral Sciences Component Code 080)	3	COMM 1310 (Component Area Option Code 090/091)	3
US 1100[1]	1		
	16		15

Sophomore

First Semester	Hours	Second Semester	Hours
BIO 2451	4	BIO 2452	4
ENG Literature (Component Area Option Code 090/094)	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	NUTR 2360	3
BIO 2440	4	FCD 1351 or PSY 3300	3
		POSI 2320 (Government/ Political Science Component Code 070)	3
	14		16

Junior

First Semester	Hours	Second Semester	Hours	Summer	Hours
NURS 3250	2	NURS 3440	4	NURS 3441	4
NURS 3110	1	NURS 3240	2	NURS 3241	2
NURS 3300	3	NURS 3260	2		
NURS 3121	1	NURS 3360	3		
NURS 3221	2	NURS 3302	3		
NURS 3430	4				
	13		14		6

Senior

First Semester	Hours	Second Semester	Hours
NURS 4270	2	NURS 4380	3
NURS 4260	2	NURS 4351	3
NURS 4160	1	NURS 4280	2
NURS 4311	3	NURS 4201	2
NURS 4211	2	NURS 4341	3
NURS 3230	2		
NURS 4170	1		
	13		13

Total Hours: 120

[1] If US 1100 is waived, the student must have 120 hours to graduate. See College Advising Center.

Bachelor of Science in Nursing (B.S.N.) Major in Nursing (RN to BSN Online Completion Program)

Minimum required: 120 semester credit hours

Admission Requirements

1. Application for admission to the registered nurse to Bachelor of Science in Nursing online completion program (RN to BSN) must be made to the School of Nursing in addition to the university admission procedures. Students will be admitted each fall. Admission to the RN to BSN online completion program requires admission to the university and admission to the program. For more information visit: http://www.nursing.txstate.edu/
2. Students must hold unencumbered registered nurse license in a state or region that is approved through the National Council of State Boards of Nursing.
3. All applicants must have a nursing school GPA of 2.5 and an overall GPA of 2.5 to apply.
4. Completion of 42 hours of general education core curriculum requirements. including the following major-specific core requirements or field of study complete:
   - PSY 1300 or SOCI 1310
   - MATH 1315
   - CHEM 1341
5. Completion of 18 hours of support coursework or field of study complete:
   - BIO 2400 or BIO 2440
   - BIO 2451
   - BIO 2452
   - NUTR 2360
   - PSY 3300 or FCD 1351
6. Students who earned an Associate in Applied Science Nursing degree (ADN) from a regionally accredited community college will be awarded 30 semester credit hours toward the BSN online completion.
7. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language.

General Requirements

1. Students have three years to complete the degree requirements.
2. For transfer students, 34 semester credit hours may be transferred from a Texas public institution of higher education for the Nursing Field of Study and be applied to the Bachelor of Science in Nursing degree with a major in Nursing at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
BIO 2440	Principles of Microbiology	4
TCCN: BIOL 2421 or 2420		
CHEM 1341	General Chemistry I	3
TCCN: Any 4 SCH course including lab (CHEM 1341 + 1 hour ELNA)		
NUTR 2360	Nutrition Science	3
TCCN: BIOL 1322/HECO 1322		
BIO 2451	Human Anatomy and Physiology I	4
TCCN: BIOL 2401		
BIO 2452	Human Anatomy and Physiology II	4
TCCN: BIOL 2402		
PSY 1300	Introduction to Psychology	3
TCCN: PSYC 2301		
PSY 3300	Lifespan Development	3
TCCN: PSYC 2314		
MATH 2328	Elementary Statistics	3
TCCN: MATH 1342		
ENG 1310	College Writing I	3
TCCN: ENGL 1301		
ENG 1320	College Writing II	3
TCCN: ENGL 1302 or ENGL 2311		
Total hours		34

3. All upper division courses must be completed with a grade of "C" or better to progress. Students must complete prerequisite courses prior to enrolling in upper division nursing courses.

Course Requirements

Fall Semester	Hours	Spring Semester	Hours
NURS 4302	3	NURS 4380	3
NURS 3430	4	NURS 4280	2
NURS 3110	1	NURS 3230	2
NURS 3250	2	NURS 4303	3
NURS 3302	3	NURS 4351	3
NURS 4204	2	NURS 4205	2
	15		15

Total Hours: 30

Department of Physical Therapy

Willow Hall Room 336

Round Rock Campus

100 Bobcat Way
Round Rock, TX
T: 512-716-2652
www.health.txstate.edu/PT (http://www.health.txstate.edu/PT)

The Department of Physical Therapy, located in Round Rock, is a graduate department offering a Doctor of Physical Therapy (DPT) degree with a major in Physical Therapy. For more information, contact the Department of Physical Therapy or visit http://www.health.txstate.edu/pt.

The requirements for admission to the DPT degree program include:

1. completion of a baccalaureate degree with a minimum 3.0 GPA in the last 60 hours of course work completed for that degree,
2. minimum 3.0 GPA in all science courses,
3. minimum 3.0 GPA in prerequisite courses,
4. preferred minimum GRE of 150 on verbal and 145 quantitative, and
5. completion of all prerequisite courses, including general psychology, abnormal or developmental psychology, statistics, medical terminology, human physiology and anatomy or human structure and function, vertebrate physiology or physiology of exercise, general chemistry I and II, and general physics I and II.

This program is accredited by the Commission on Accreditation in Physical Therapy Education.

Course in Physical Therapy (PT)

PT 3400. Human Structure and Function.
A study of the structure and function of the human body with emphasis on the skeletal, muscular, and nervous systems. Course focuses on anatomy and physiology of body systems of special interest to students preparing to be health professionals. Laboratory study of the human cadaver is included.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

Radiation Therapy Program

Encino Hall Room 220
T: 512-245-9081
F: 512-245-1477
www.health.txstate.edu/rtt (http://www.health.txstate.edu/rtt)

The radiation therapist is a key member of the professional team, which uses various forms of radiation to treat cancer patients. Radiation therapy may be used alone, or in combination with surgery or chemotherapy, and is the treatment of choice for cure of many cancers. Because of sustained contact with patients, the radiation therapist has considerable responsibility in patient care, dietary counseling and treatment evaluation. The radiation therapist must also appreciate the significant psychological impact that cancer has on patients and their families. The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). The curriculum complies with the professional curriculum of the American Society of Radiologic Technologists.

The Bachelor of Science in Radiation Therapy (B.S.R.T.) degree with a major in Radiation Therapy, is a two- and one-half year program beginning in the junior year. The junior and senior years combine clinical

experiences in the affiliated radiation therapy facilities with advanced academic study in the professional disciplines. The program is designed to prepare students for the technical, theoretical, and psychological aspects of this career. Students acquire the technical skills necessary to plan, deliver, and record a prescribed course of radiotherapy. Upon completion of the degree, students are eligible to apply to the ARRT national registry examination.

Any student entering Texas State may declare Pre-Radiation Therapy as their major. Admission to Texas State does not guarantee admission to the program. Admission to the program is competitive and selective. It is recommended that students arrange academic advising at least once prior to making application. The academic sequence begins during the fall semester. Enrollment is limited by student/faculty ratios in the clinical components of the program. The deadline for submission of applications is January 15.

Immunization Requirements

It is a policy of the College of Health Professions that each student must provide a Health Report completed by a physician or licensed healthcare provider, and must take certain immunizations before the student can be placed in a clinical or internship assignment. Information on these requirements and forms to be supplied may be obtained through the program office.

Criminal Background Check/Drug Screening

As a condition for placement in some professional practice sites, students are required to have a background check and/or drug screening and meet other requirements set by individual sites. Information on the process of drug screening will be provided by the program. Previous misdemeanor or felony convictions under various titles of the Texas Penal Code may affect eligibility for state license status following graduation and may affect admission consideration to the Radiation Therapy program.

Bachelor of Science in Radiation Therapy (B.S.R.T.)

- Major in Radiation Therapy (p. 424)

Courses in Radiation Therapy Technology (RTT)

RTT 3120. Clinical Simulation Lab I.
Students are provided instruction and simulated practice in a controlled laboratory setting. This course provides first-year students foundational clinical set-up skills from which to build on during the clinical learning practicum course.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3121. Clinical Simulation Lab II.
Students are provided instruction and simulated practice in a controlled laboratory setting. This course provides instruction, demonstration and participation in immobilization, positioning and simulation with the aid of an anthropomorphic phantom. Students will learn aspects of simulation for basic treatment delivery applications.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3220. Directed Clinical Learning I.
Students will observe the basic operations of the radiation oncology clinic while interacting with the multidisciplinary team involved in providing treatment and care. The student will be introduced to oncology terminology, equipment, and techniques used for treatment. Learning is achieved through direct patient care, with instruction, demonstration and direct supervision.
2 Credit Hours. 1 Lecture Contact Hour. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3221. Directed Clinical Learning II.
Students will gain additional skills in clinical procedures, interaction with patients and professional personnel. Students apply knowledge from previous clinical learning experience under the supervision of a registered radiation therapist. Students are tested on intermediate clinical radiation therapy skills.
2 Credit Hours. 1 Lecture Contact Hour. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3300. Patient Care in Radiation Oncology.
This course will focus on basic nursing concepts involved in providing care for the cancer patient. Topics to be included in the class will be cancer as a chronic health problem, social roles and cancer, multidisciplinary approach to patient care, psychosocial dimension of cancer, in-treatment examinations, follow-up examinations, emergency management, chemotherapy and nutritional aspects of treating patients with cancer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3301. Introduction to Radiation Oncology.
An overview of radiation oncology and the role of the radiation therapist. Presentations will orient the student to the physical and biological basis of radiation equipment, procedures, tumor pathology, and patient interaction. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RTT 3302. Radiologic Science and Medical Imaging.
This course will cover the principles governing production of radiation, interaction of radiation with matter, and protection of the radiation worker and patient from exposure. Basic principles of x-ray equipment, exposure factors, latent image formation, and processing of radiographs are presented. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3310. Physics of Radiation Therapy I.
Students will learn the principles of radiation physics as they apply to the treatment and care of the cancer patient. Course will include a thorough review of x-ray production, fundamental principles, concepts and terminology. Topics studied include measurements, general principles, structure of the atom, structure of the matter, electrostatics, magnetism, electrodynamics, electromagnetism, rectification and production and properties of radiation and radiographic techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3314. Radiation Therapy Sectional Anatomy.
The course provides instruction in identifying cross-sectional anatomy to develop the ability to make anatomic correlations between multiple planes of view. Major organs, lymphatics, vessels are emphasized as related to the clinical significance in the field of radiation therapy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3350. Radiobiology.
This course will cover the principles of cell response to radiation, including tissue sensitivity, survival, repair and the latent effects of irradiated tissue. Topics to be covered include the development of radiation science, cellular targets for radiation action, target theory, physical/ chemical factors affecting radiation response, biological factors, repair and recovery, fractionated doses and dose rate, early/ acute effects of whole body exposure, late/chronic effects of whole body exposure, and radiation protection dose guidelines.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4120. Clinical Simulation Lab III.
Students are provided instruction and simulated practice in a controlled laboratory setting. A continuation of RTT 3121. This course provides instruction, demonstration, and participation in immobilization, positioning and simulation with the aid of an anthropormorphic phantom. Students will learn aspects of simulation for basic intermediate treatment delivery applications.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4121. Clinical Simulation Lab IV.
Students are provided instruction and simluated practice in a controlled laboratory setting. A continuations of RTT 4120. This course provides instruction, demonstration and participantion in immobilization, positioning and treatment simluation. Students will learn aspects of simulation for basic, intermediate, and some advanced treatment delivery applications.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4122. Clinical Simulation Lab V.
Students are provided instruction and simulated practice in a controlled laboratory setting. A continuation of RTT 4121. This course provides instruction, demonstration and participation in immobilization, positioning and treatment simulation. Students will learn aspects of simulation for basic, intermediate, and some advanced treatment delivery applications.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4189. Radiation Therapy Literary Scholarship and Manuscript Writing.
This intensive writing course provides instructions in research strategies, critical review and analysis of peer reviewed publications. An introduction to scholarly resources and professional manuscript development using peer reviewed journal guidelines for the profession of radiation therapy. This course prepares students for RTT 4191 Radiation Therapy Seminar. (WI).
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RTT 4190. Professional Issues in Radiation Therapy.
This capstone course provides a comprehensive review of the program curriculum and clinical practice in the field. Current radiation therapy treatment management techniques and issues are presented for analysis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

RTT 4191. Radiation Therapy Seminar.
This course is a continuation of RTT 4189. The course provides instruction in the completion of a final draft for the student's technical manuscript. The course work builds from the completed manuscript and draws from the material and knowledge gained in RTT 4189 to develop a formal presentation.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4220. Directed Clinical Learning III.
Students will continue to develop skills during this clinical course. Progressive interaction with patients and professional personnel are monitored as students practice radiation therapy in a supervised setting. Additional areas include problem solving, identifying machine components and basic side effect management. Students will demonstrate competence in beginning, and intermediate procedures.
2 Credit Hours. 1 Lecture Contact Hour. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4221. Directed Clinical Learning IV.
The course provides students the opportunity to continue to develop confidence and increased skill in simulation and treatment delivery. Students will demonstrate competence in beginning, intermediate, and some advanced procedures through supervised clinical instruction, progressing through a competency-based educational sequence.
2 Credit Hours. 1 Lecture Contact Hour. 24 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4222. Directed Clinical Learning V.
The students will complete their clinical training by practicing all the skills they have learned in the classroom, lab, and clinical practicum. The students will continue demonstrating proficiency while completing the Skills Competency Checklist.
2 Credit Hours. 1 Lecture Contact Hour. 24 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4291. Professional Issues in Radiation Therapy.
This capstone course provides a comprehensive review of the program curriculum and clinical practice in the field. Current radiation therapy treatment management techniques and issues are presented for analysis.
2 Credit Hours. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4310. Physics of Radiation Therapy II.
Students will continue to learn the principles of cell response to radiation. Topics covered will include properties of x-ray and gamma radiation, radiation units, x-ray production, photon interactions, beam characteristics, radioactivity, treatment units, and particle irradiation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4330. Quality Assurance.
Students will study quality assurance tests related to patient charts, treatment accessories, patient communication devices, machine reading and safety devices. Emphasis on quality control procedures to include Continuous Quality Improvement (CQI), Joint Commission on Accreditation of Healthcare Organizations (JCAHO) and responsibilities of each team member in relation to quality assurance duties.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4331. Operational Issues in Radiation Therapy.
Course content is designed to focus on various radiation therapy operational issues. Accreditation, CQI development and assessment techniques will be presented. Human resource issues and regulations impacting the radiation therapist will be examined. Topics include the role of network information systems within the radiation oncology department. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RTT 4360. Dosimetry I.
This course will cover the basic concepts in treatment planning and clinical dosimetry. Students will learn to identify treatment preparation processes and needs for beam modifying devices. Students will also be taught isodose charts for several treatment arrangements and be able to calculate a variety of external beam treatment formulas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4361. Dosimetry II.
Students will learn additional concepts in treatment planning and clinical dosimetry addressed in Dosimetry I. Computerized treatment planning applications will enhance the understanding of medical dosimetry.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

RTT 4370. Clinical Radiation Oncology I.
The first of a two-part course, this course advances the student's knowledge of neoplastic disease management. Instruction will focus on the regional anatomy and physiology, epidemiology and etiology, detection and diagnosis, diagnostic procedures, histopathology, patterns of spread principles of treatment, staging, and prognosis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4371. Clinical Radiation Oncology II.
The second of a twopart course, this course is a continuation of disease specific instruction. Instruction will focus on the regional anatomy and physiology, epidemiology and etiology, detection and diagnosis, diagnostic procedures, histopathology, patterns of spread, principles of treatment, staging, and prognosis. Prerequisite: RTT 4370 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Bachelor of Science in Radiation Therapy (B.S.R.T.) Major in Radiation Therapy

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Science in Radiation Therapy (B.S.R.T.) degree with a major in Radiation Therapy requires admission to the university and admission to the program. For more information visit: http://www.health.txstate.edu/rtt/
2. Any student may declare Pre-Radiation Therapy as their major. Admission to Texas State does not guarantee admission to the program. Admission to the program is competitive and selective. It is recommended that students arrange academic advising at least once prior to making application.
3. The academic sequence begins during the fall semester. Enrollment is limited by student/faculty ratios in the clinical components of the program.
4. The deadline for submission of applications is January 15.
5. Satisfactory completion of all general education core curriculum and a minimum overall GPA of 2.75 is required for admission.
6. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language.
7. Completion of the application packet is required for admission.
8. Three letters of reference and a career goal statement are required for admission.
9. Successful interview of selected candidates with admission committee.
10. Twenty-four hours of clinical observation with completed evaluation on file by January 15.
11. Students must be able to perform the 13 Technical Standards indicated by the American Disabilities Act (refer to program website or department for more information).

12. Previous misdemeanor or felony convictions will affect admission to the program.
13. Applicants must have a science and support course GPA of 3.0 or higher. No more than 2 attempts on any one science course is permitted. An applicant may repeat only one of the courses on this list. Courses included in the science and support course GPA computation include:

Code	Title	Hours
BIO 1330	Functional Biology	3
BIO 1331	Organismal Biology	3
BIO 2430	Human Physiology and Anatomy	4
AT 3358	Clinical Pathopharmacology	3
or PSY 4390N	Psychopharmacology	
CHEM 1341	General Chemistry I	3
CHEM 1141	General Chemistry Laboratory I	1
PSY 1300	Introduction to Psychology	3
MATH 2417	Pre-Calculus Mathematics	4
or MATH 2471	Calculus I	
PHYS 1320	Elementary Physics	3
or PHYS 1315	General Physics I	
or PHYS 1325	General Physics II	
PHYS 1110	Elementary Physics Laboratory	1
or PHYS 1115	General Physics I Laboratory	
or PHYS 1125	General Physics II Laboratory	
HP 3302	Biostatistics	3
or PSY 2301	Introduction to Statistics	
or SOCI 3307	Statistics for the Behavioral Sciences	
or MATH 2328	Elementary Statistics	
or CJ 3347	Statistics For Criminal Justice	

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language.
5. To graduate with a B.S.R.T., a student must successfully fulfill the general education requirements and complete all RTT courses with a "C" or better. RTT courses are offered in a lock-step sequence. Each course is offered only once each academic year; therefore, progress in the program is affected should a student fall out of the sequence due to failure to successfully complete a course. A student who falls out of sequence (whether due to illness, course failure, or other reasons) will be delayed one year to repeat the course.
6. A student may repeat a RTT course only once. If the student does not earn a grade of at least "C" upon repeating the course, the student cannot continue in the program.
7. The student must meet the requirements for clinical competency as described in the Directed Clinical Learning syllabi.
8. All students must have attained a 2.0 or higher Texas State University GPA with a minimum of a 2.75 GPA in the Radiation Therapy major to graduate.

Course Requirements

First Semester	Hours	Second Semester	Hours	Summer	Hours
Freshman					
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3	ENG Literature (Component Area Option Code 090/094)	3
HIST 1310 (American History Component Code 060)	3	HIST 1320 (American History Component Code 060)	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331	3	PSY 1300 (Social & Behavioral Sciences Component Code 080)	3
COMM 1310 (Component Area Option Code 090/091)	3	CHEM 1341 (Life & Physical Sciences Component Code 030)	3		
US 1100[1]	1	CHEM 1141	1		
	13		13		9
Sophomore					
BIO 2430	4	AT 3358 or PSY 4390N	3		
POSI 2310 (Government Political Science Component Code 070)	3	POSI 2320 (Government Political Science Component Code 070)	3		
MATH 2417 or 2471 (Mathematics Component Code 020)	4	PHYS 1320, 1315, or 1325	3		

ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	PHYS 1110, 1115, or 1125	1
		Select one of the following:	3
		HP 3302	
		PSY 2301	
		SOCI 330	
		MATH 2328	
		CJ 3347	
	14		13

Junior

First Semester	Hours	Second Semester	Hours	Summer	Hours
RTT 3314	3	RTT 3310	3	RTT 4189	1
RTT 3301	3	RTT 3302	3	RTT 4360	3
RTT 3300	3	RTT 3350	3	RTT 4220	2
RTT 3220	2	RTT 4370	3	RTT 4120	1
RTT 3120	1	RTT 3221	2		
		RTT 3121	1		
	12		15		7

Senior

First Semester	Hours	Second Semester	Hours
RTT 4371	3	RTT 4361	3
RTT 4330	3	RTT 4331	3
RTT 4310	3	RTT 4291	2
RTT 4221	2	RTT 4222	2
RTT 4121	1	RTT 4122	1
		RTT 4190	1
	12		12

Total Hours: 120

[1] If US 1100 is waived, the student must have 120 hours to graduate. See College Advising Center.

Department of Respiratory Care

Willow Hall Room 214
Round Rock Campus

100 Bobcat Way
Round Rock, TX
T: 512-716-2682 F: 512-716-2805
www.health.txstate.edu/rc (http://www.health.txstate.edu/rc)

The Bachelor of Science in Respiratory Care (BSRC) degree prepares students to practice as respiratory care professionals and take their place as a key healthcare team member. Skilled in assessing patients with breathing disorders in the emergency room, intensive care units and many other areas in healthcare facilities, respiratory therapists work directly with physicians on newborn, pediatric or adult patients to analyze oxygen levels and breathing difficulty. Therapists administer medications to relieve breathing distress, provide pulmonary/lung therapies, and conduct lung diagnostics for all ages. Graduates find employment in many settings such as hospitals, pulmonary rehabilitation clinics, doctors' offices, sleep labs, homecare, and air-life transport teams working with patients in the emergency room, newborn/pediatric/adult intensive care units, and many other areas.

Respiratory care (RC) majors take lab and lecture classes on the Round Rock campus and gain clinical experience in Austin-area hospitals. Students successfully admitted to the program must complete the sequenced curriculum within the cohort group. Individuals taking core courses prior to applying for admission to the RC program should contact the College of Health Professions' Advising Office. The BSRC Program is accredited by the Commission on Accreditation for Respiratory Care (CoARC) and qualifies graduates to sit for national board credentialing exams to become a Registered Respiratory Therapist (RRT) through the National Board for Respiratory Care immediately upon completion.

Students having already completed an associate degree in Respiratory Care from another university or college are eligible to apply for admission to the BSRC Online Completion Program at Texas State for bachelor degree completion. This 100% online program allows student admission every fall, spring, and summer semester without the need to come to the Texas State campus. The online degree completion program features 8-week courses and has a program completion time of one year for a full-time student. For information on this option, please contact the program chair.

The department also offers a Master of Science in Respiratory Care (MSRC) degree with concentrations in Leadership and Polysomnography Technology (sleep diagnostics). The Polysomnography (PSG) program prepares individuals to sit for national board credentialing exams immediately upon completion. The PSG concentration is comprised of five courses (12 credit hours) with courses offered each fall, spring, and summer. Individuals credentialed in PSG provide diagnostic and therapeutic treatment for those suffering from sleep disorders such as obstructive sleep apnea, insomnia, narcolepsy, and other conditions. Admission to the MSRC program requires the applicant to have previosly earned the RRT credential and completed a bachelor's degree from a regionally accredited institution. Students may be admitted to the MSRC program every fall, spring and summer with completion in four semesters. Please refer to The Graduate catalog for admission requirements and course descriptions.

Immunization Requirements

It is a policy of the College of Health Professions that each student must provide the College Health Report completed by a physician or licensed healthcare provider and must complete specific immunizations before being placed in a clinical or internship assignment. Information on these requirements and forms may be obtained through the departmental office.

Background Checks and Drug Screening

As a condition for placement in some professional practice sites, all students are required to have a background check and/or drug screening to meet requirements of individual sites. Information on the drug screening process will be provided by the department to clinical facilities as required. Previous misdemeanor or felony convictions under various titles of the Texas Penal Code may affect eligibility for state

respiratory care practitioner license status following graduation and future employment in healthcare.

Bachelor of Science in Respiratory Care (B.S.R.C.)

- Major in Respiratory Care (p. 429)
- Major in Respiratory Care (RRT-to-BSRC Online Completion Program) (p. 431)

Courses in Respiratory Care (RC)

RC 2213. Introduction to Respiratory Care.
This course offers an in-depth overview of the respiratory care profession to acquaint the student with the responsibilities of the respiratory therapist as part of healthcare team. Progression of the profession, career opportunities, past and future impact of profession on patient recovery and health maintenance, and medical gas therapy will be covered.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3112. Pharmacology.
A comprehensive study of pharmacology principles. Receptor theory, clinical applications of medications, and historical analysis of first-generation medications will be covered. Current medication trends and recommendations are also examined.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3125. Pulmonary Function Testing.
This course examines the most common pulmonary function tests, their techniques, and the pathohysiology that may be evaluated by each test. Pulmonary function equipment, calibration, and the American Thoracic Society guidelines will be discussed. Laboratory practice of performing the tests will be provided to develop skills for testing patients.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3313. RC Clinical Practice I.
This course provides an introduction to respiratory care clinical skills, including vital signs, chest assessment, infection control, aerosolized medication delivery, oxygen therapy, hyperinflation therapy, and airway clearance. This course prepares the student for direct patient care to be performed in more advanced courses. Direct patient care is performed under close supervision.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3314. Respiratory Care Instrumentation.
Through lectures and lab exercises, students are acquainted with concepts of design, function, and operation of basic respiratory care equipment. Oxygen cylinders, regulators, flowmeters, oxygen analyzers, oximeters, oxygen adjuncts, humidifiers, nebulizers, airways, and pressure cycled ventilators will be covered. The course also covers respiratory pharmacology, decontamination of equipment, and arrhythmia recognition.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3315. Cardiopulmonary - Renal Anatomy & Physiology.
This course provides an in-depth human gross anatomy study of the cardiac, respiratory, and renal systems. Clinical application of pulmonary anatomy and physiology will also be explored.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3316. Fundamentals of Respiratory Care.
This course provides a study of theories and modalities utilized in delivering, monitoring, and evaluating basic respiratory therapeutics to patients with compromised respiratory function in various healthcare settings. Aspects of artificial ventilation, arterial blood gas analysis, lung volume diagnostics, and hyperinflation intervention will be covered in patient scenarios.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3321. Cardiopulmonary Pathology.
As an introduction to the assessment, treatment, and pathophysiology of respiratory diseases, this course focuses on the signs, symptoms, etiology, pathophysiology, diagnosis and treatment of selected diseases. Utilizing clinical simulation software to develop critical thinking regarding assessment, diagnostic data gathering. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RC 3322. Critical Care Concepts.
This course provides students with an in-depth study of selected respiratory care techniques with an emphasis on the care of critically ill patients. Critical skills and knowledge of mechanical ventilation, bedside diagnostic techniques, patient monitoring, and rehabilitation are explored in the critical care setting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3323. RC Clinical Practice II.
Students perform clinical procedures and interact with patients and professional personnel in a healthcare institution under the supervision of a respiratory therapist. Students gain direct patient care experience as presented in medical/surgical and pediatric clinical situations. Preparatory instruction is provided for mechanical ventilation and other critical care procedures.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3324. Critical Care Instrumentation.
A comprehensive study of advanced equipment and technology utilized in the critical care, homecare, pulmonary rehabilitation and blood gas lab settings. Lectures and class activities will detail hardware for hemodynamic monitoring, supplemental oxygen administration, noninvasive monitoring, blood gas measurement, quality control and assurance and mechanical ventilator concepts.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3332. Hemodynamics.
This course is an advanced study of cardiovascular hemodynamic measurements. Normal cardiovascular physiology and measures are examined, as well as variations caused by disease. Current clinical trends and practices in hemodynamic procedures are also explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3333. RC Clinical Practice III.
A supervised clinical education experience in which the student administers advanced respiratory therapeutics to patients in the adult critical care setting. Diagnostic and monitoring procedures, including arterial blood gases, bedside physiologic monitoring, airway care, advanced pulmonary function testing, ventilator management will be performed according to physician orders.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3334. Neonatal Respiratory Care.
An in-depth study of neonatal utero development, fetal lung development, fetal circulation, and cardiovascular changes at birth. Neonatal respiratory emergencies, neonatal respiratory diseases and management, congenital defects, and respiratory care procedures specific to the neonate will be discussed. A specific emphasis on neonatal mechanical ventilation will be included.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3335. RC Clinical Practice IV.
This course provides an advanced clinical education experience in respiratory therapeutics on patients in the adult critical care setting. Appropriate clinical expectations include experience in arterial blood gas procurement and measurement, bedside physiologic monitoring, airway care, and monitoring of mechanical ventilation in the intensive care unit.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4211. Respiratory Care Research.
This course provides an introduction to applied experimental design, research ethics, and data analysis focusing on the respiratory care profession. Students will participate in each step the research process from developing a personal research hypothesis and research design through IRB submission. Prerequisite: HP 3302 or equivalent.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

RC 4216. Disease Management.
The course offers an in-depth description of common therapeutic modalities and treatment protocols used to offset the anatomic alterations and pathophysiologic mechanisms activated by selected disorders. Students will develop an understanding of how therapies work to offset the anatomic alterations of lungs caused by disease. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4221. Leadership and Management for Respiratory Care Professionals.
This course is designed to comprehensively examine the dynamic evolution of respiratory care as a profession. The role of the respiratory care professional in the areas of leadership, management, and professional ethics will be explored with regards to the profession's impact on legislation, regulation, and politics. (WI).
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RC 4223. ICU Internship.
Through affiliations with agencies, hospitals and selected treatment centers, the student interns in the intensive care setting by providing patient care and administering critical care therapeutics. Analysis and clinical application of advanced ventilator care of patients is emphasized along with patient care diagnostics and management in the ICU.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Credit/No Credit

RC 4224. Research Seminar.
A study of the research process from a review of research design to methodology implementation including data collection, statistical analysis, and presentation of a research proposal on a topic in the respiratory care discipline. The course provides direct research experience culminating in a research paper and presentation. Prerequisite: RC 4211 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

RC 4225. Specialization Internship.
This course provides the student with an internship opportunity to gain clinical experience in sub-specialty areas including pediatrics, adult intensive care, neonatal intensive care, pulmonary function testing, home care/durable medical equipment, subacute care, pulmonary rehabilitation, polysomnography, education, and research. Specific specialty offerings will be based on clinical availability.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

RC 4309. Pulmonary Diagnostics.
The course examines various pulmonary diagnostic techniques and the pathophysiology associated with each diagnostic measurement in disease management and clinical research. The course will provide an in-depth presentation of clinical indications for various diagnostic analyses including the ethical responsibilities associated with clinical research. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4311. Interdisciplinary Healthcare.
This course introduces the respiratory care student to the role that respiratory therapists play within the interdisciplinary healthcare team. The course will allow students to gain experience in developing and applying strategies to improve patient outcomes through the inclusion of the respiratory therapist with various appropriate healthcare disciplines. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RC 4312. Critical Care Clinical Simulation.
Students will analyze concept review in preparation for national board examinations and evidence-based care. Classroom and laboratory instruction will demonstrate cumulative review of the Therapist Multiple Choice and the Clinical Simulation Examination national board exams. Clinical simulation case studies will be assessed reflecting real-life patient scenarios.
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4314. Advanced Ventilator Concepts.
This course provides an in-depth study of specific adult mechanical ventilators addressing traditional and proposed ventilator classification, various methods of operation, parameter interrelationships and ventilator patient monitoring. Lectures and class activities will focus on ventilator analysis of several contemporary volume-, time-, pressure- and flow-cycled ventilators with advanced graphics interpretation required.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4316. RC Clinical Practice IV.
This course provides an advanced intensive care clinical education requiring students to monitor and administer critical care therapeutics on assigned patients in the adult and neonatal critical care setting. Cardiopulmonary diagnostic experience will be gained through arterial blood gas and co-oximetry assessment with ventilator graphic analysis.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4317. Pulmonary Rehabilitation.
This course is designed to introduce students to the medical, ethical, and insurance reimbursement issues of pulmonary rehabilitation, homecare, and sleep diagnostic facilities. The role of therapists in case management, treatment requirements, and discharge planning along with the impact of legislation, regulations, and politics will be explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4318. Independent Study in Respiratory Care.
This course provides the student an in-depth study on a topic or healthcare problem impacting respiratory care. The course may be repeated for credit with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

RC 4322. RC Practitioner Seminar.
Students will research and present selected case studies by students to physicians, therapists, and colleagues. Presentations will emphasize total patient management with etiology, symptoms, pathophysiology, diagnosis, and treatment of specific diseases including asthma, pulmonary embolism, CHF, COPD, ARDS, neurologic diseases, inhalational injury, pneumonia, sleep disordered breathing, AIDS, and drug overdose. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RC 4324. Sleep Medicine and Polysomnography.
This course introduces the respiratory care student to sleep medicine and polysomnography. The course will present topics on sleep stages, sleep architecture, and sleep disorders. Basic and advanced treatment options of selected sleep disorders will be discussed. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4333. Neonatal Critical Care.
This course will provide the Respiratory Care student with advanced knowledge on the management of the neonatal patient in the critical care environment. The course will expose the student to advanced therapeutics and mechanical ventilation strategies. Course content will prepare the student for the role of neonatal specialist. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4334. Adult Critical Care.
This course provides professional enrichment for practitioners with a conceptual foundation for adult critical care medicine. The course will provide an in-depth presentation of advanced respiratory therapy therapeutics and procedures caring for adults in the intensive care unit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

Bachelor of Science in Respiratory Care (B.S.R.C.) Major in Respiratory Care

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Science in Respiratory Care (B.S.R.C.) degree with a major in Respiratory Care requires admission to the university and admission to the program. For more information visit: http://www.health.txstate.edu/rc/
2. Application for admission to the Respiratory Care (R.C.) undergraduate program must be made to the R.C. department in addition to regular university admission procedures.
3. All applicants must have an overall GPA of 2.50 to apply.

4. It is highly recommended that individuals interested in applying for the R.C. program complete RC 2213 prior to application.
5. Admission is competitive and enrollment is limited depending on student/faculty ratios in the clinical phase of the program.
6. Due to performance standards of the profession, students must meet specific ADA standards in accordance with physical and emotional requirements of the academic program in order to qualify for admission.
7. The deadline for submission of applications is May 1.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language.
5. All RC courses must be taken in a lock-step sequence and completed with a grade of "C" or higher in order to progress to the next semester in the curriculum. Students with a grade of less than a "C" in a RC course will be ineligible to continue the program and must reapply to the program the following year. To be considered for program readmission, all original program admission criteria must be met. If readmitted, an assessment of clinical skills will be required to determine appropriate clinical placement in the curriculum sequence.
6. Requirements for B.S.R.C. completion and graduation include a Texas State GPA of 2.0 with a RC major GPA of 2.25.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
US 1100[1]	1	BIO 2430	4
ENG 1310 (Communica Component Code 010)	3	ENG 1320 (Communica Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	COMM 1310 (Component Area Option Code 090/091)	3
PSY 1300 or SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3	HIST 1310 (American History Component Code 060)	3
BIO 1330 (Life & Physical Sciences Component Code 030)	3	Select one of the following (Mathematics Component Code 020):	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	MATH 13	
		MATH 1319	
		MATH 13	
		MATH 2417	
		MATH 24	
	16		16

Sophomore

First Semester	Hours	Second Semester	Hours
HIST 1320 (American History Component Code 060)	3	BIO 2400 or 2440	4
ENG Literature (Component Area Option Code 090/094)	3	POSI 2320 (Governmen Political Science Component Code 070)	3
HIM 2360	3	Select one of the following Statistics courses:	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	HP 3302	
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	HP 3325	
		SOCI 330	
		PSY 2301	
		MATH 23	
		CJ 3347	

	Select one of the following:	3
	PHYS 1310	
	PHYS 13[illegible]	
	PHYS 1320	
	PHYS 13[illegible]	
	15	13

Junior

First Semester	Hours	Second Semester	Hours	Summer	Hours
RC 3112	1	RC 3321	3	RC 3332	3
RC 3313	3	RC 3323	3	RC 3333	3
RC 3315	3	RC 3322	3	RC 3334	3
RC 3314	3	RC 3324	3		
RC 3316	3	RC 3125	1		
	13		13		9

Senior

First Semester	Hours	Second Semester	Hours
RC 4211	2	RC 4221	2
RC 4312	3	RC 4223	2
RC 4314	3	RC 4224	2
RC 4316	3	RC 4225	2
RC 4317	3	RC 4322	3
	14		11

Total Hours: 120

[1] If US 1100 is waived, the student must have a minimum of 120 hours to graduate. See College Advising Center.

Bachelor of Science in Respiratory Care (B.S.R.C.) Major in Respiratory Care (RRT-to-BSRC Online Completion Program)

Minimum required: 121 semester credit hours

Admission Requirements

1. The Bachelor of Science in Respiratory Care (B.S.R.C.) degree with a major in Respiratory Care requires admission to the university and admission to the program. For more information visit: http://www.health.txstate.edu/rc/
2. Application for admission to the RRT-to-BSRC online completion program must be made to the Respiratory Care department in addition to regular university admission procedures. Students will be admitted each fall, spring, and summer semester.
3. Students must hold the RRT credential from a CoARC accredited community college with regional accreditation.
4. All applicants must have an overall GPA of 2.50 to apply.
5. Admission is competitive and enrollment is limited.
6. Completion of 42 hours of general education core curriculum requirements, including the following major-specific core requirements:
   - PSY 1300 or SOCI 1310 for the Social and Behavioral Sciences Component Code 080
   - MATH 1315, MATH 1319, MATH 1329, MATH 2417, or MATH 2471 for the Mathematics Component Code 020
   - CHEM 1341 for the Life and Physical Sciences Component Code 030
   - PHYS 1310, PHYS 1315, PHYS 1320, or PHYS 1325 for the Life and Physical Sciences Component Code 030
7. Completion of 11 hours of support coursework:
   - BIO 2400 or BIO 2440
   - BIO 2430
   - HP 3302, HP 3325, SOCI 3307, PSY 2301, MATH 2328, or CJ 3347
8. Students who earned the RRT credential at a CoARC and and regionally accredited community college will be awarded 35 semester credit hours toward the BSRC completion.
9. Any student who did not complete at least two years of the same foreign language in high school is required to take 6-8 hours of the same foreign language.

General Requirements

1. All courses must be taken in sequence and completed with a grade of "C" or better in order to progress to the next semester in the curriculum.

Course Requirements

Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
RC 4314	3	RC 3332	3	RC 4224	2
RC 4317	3	RC 4311	3	RC 4333	3
RC 4309	3	RC 4211	2	RC 4334	3
RC 4221	2	RC 4216	2		
		RC 4324	3		
	11		13		8

Total Hours: 32

College of Liberal Arts

Dean
Mary C. Brennan, Ph.D.
Flowers Hall Room 313
Telephone: 512-245-2317 Fax: 512-245-8291
http://www.txstate.edu/liberalarts

Associate Dean
Susan B. Day, Ph.D.
Associate Dean
Lucy D. Harney, Ph.D.
Associate Dean
Aimee K. Roundtree, Ph.D.

Center Directors/Department Chairs/Program Directors
International Studies–Paul Hart, Ph.D.
Diversity and Gender Studies–Audwin Anderson, Ph.D.
Study of the Southwest–John Mckiernan-Gonzalez, Ph.D.
Anthropology–Elizabeth Erhart, Ph.D.

English–Victoria L. Smith, Ph.D.
Geography–Yongmei Lu, Ph.D.
History–Angela F. Murphy, Ph.D.
Philosophy–Craig Hanks, Ph.D.
Political Science–Kenneth L. Grasso, Ph.D.
Psychology–William L. Kelemen, Ph.D.
Sociology–Chad L. Smith, Ph.D.
World Languages and Literatures–Lucy Ditto Harney, Ph.D.

The College of Liberal Arts provides students with the foundation for a liberal education, preparing graduates to think independently, to choose freely, to base personal and professional decisions on a broad understanding of history and culture, and to live full, rewarding lives. Recognizing the central importance of liberal education, the university requires that more than fifty percent of the general education core curriculum be taken in the College of Liberal Arts, and students increasingly declare majors or minors in one of the college's nine departments or special programs.

The College of Liberal Arts offers the Bachelor of Arts in each of its nine departments: Anthropology, English, Geography, History, Modern Languages, Philosophy, Political Science, Psychology, and Sociology. The Bachelor of Science is awarded in Anthropology, Geography, Psychology, and Sociology. The college also offers two special degrees: the Bachelor of Arts in International Studies (B.A.I.S.), and the Bachelor of Public Administration (B.P.A.). The college houses twelve interdisciplinary minors: Aging and the Life Course, Diversity Studies, International Studies, Latina/o Studies, Media Studies, Medieval and Renaissance Studies, Nature and Heritage Tourism, Religious Studies, Southwestern Studies, Studies in Popular Culture, Value Studies, and Women's Studies. The college provides education not only in the traditional humanities but also in the practical application of the humanities to professional careers.

Specific Requirements of the College of Liberal Arts

The following requirements apply to all degree programs within the College of Liberal Arts. Students transferring in more than 15 hours will not be required to complete US 1100 – University Seminar. Bachelor of Arts degrees require two semesters of literature and one additional science course. Transferring in a core-coded 040 course from another institution does not waive this requirement. See your academic advisor for questions related to these requirements.

Academic Advising Center

Flowers Hall Room 322
Telephone: 512-245-1852 Fax: 512-245-7949
www.txstate.edu/liberalarts/advisingcenter (http://www.txstate.edu/liberalarts/advisingcenter)

The College of Liberal Arts Academic Advising Center provides effective guidance to a diverse community with integrity and commitment. In a supportive and collaborative environment, we motivate our students to take an active role in achieving their educational goals. The advising center works in cooperation with each department and center to provide quality academic advising and information to majors and minors within the College of Liberal Arts. The advising center is a resource for students, as advisors offer counseling on academic and administrative issues. Students can find information on core curriculum requirements, majors and minors, semester course selection, transfer credit, academic probation and suspension, progress toward degree completion, study abroad opportunities, and career options.

As students progress toward the completion of a degree, academic advisors recommend they follow a major checklist and a degree audit to guide them in course selection. Our advisors are available to offer explanations of these documents and assist in the process of applying for graduation. From new student orientation to graduation, academic advisors work closely with departments and centers in the college and throughout the university to ensure that each of our students has a successful academic career.

In an effort to prepare our Liberal Arts students for careers that offers them the opportunity to use their broad range of skills and abilities, the advising center has partnered with Career Services to bring special events and programs to the students in the college. In addition to meeting the individual needs of students, Career Services and the College of Liberal Arts frequently host programs and panels for specific majors where students can network with professionals.

Center for International Studies

Derrick Hall Room 101
T: 512.245.2339 F: 512.245.7857
www.txstate.edu/internationalstudies (http://www.txstate.edu/internationalstudies)

In Texas and throughout the United States, demand for graduates with knowledge of international business, cultural and area studies, and language skills continues to increase. The growing movement toward intercontinental and international trade blocs, such as NAFTA and the European Union, has created a need for persons who are not only skilled in business and communications technology, but also cultural understanding and international business practices. The Bachelor of Arts in International Studies (B.A.I.S.) degree offered by the Center addresses this need and prepares students for work in multinational corporations, state and federal governmental agencies with international divisions, and nonprofit corporations.

In addition to its academic programs, the Center gives its students several opportunities to develop global awareness and intercultural sensitivity during their undergraduate years, including internships and study abroad.

Peace Corps Prep

Peace Corps Prep is a certificate program awarded by the Peace Corps for undergraduates that allows students to build on the four competencies (training/experience in a work sector, foreign language skills, intercultural competence, and professional and leadership development) that Peace Corps looks for in its applicants. The certificate also gives students a competitive edge when applying for Peace Corps service. The program is open to all majors but housed in the Center for International Studies. While the program does not guarantee acceptance into the Peace Corps, undergraduates will gain skills that are an advantage in the competitive application process and in other international development work. Being part of the program is a powerful way to demonstrate to any future employer that participating students can think and act with global understanding and cultural awareness.

Academic Advising

Both pre-majors and declared majors will receive advising assistance from the College of Liberal Arts Academic Advising Center. The Center for

International Studies employs a full time academic program coordinator who provides information on graduate study, internships, and planning for study abroad. The Center works closely with the Office of Career Services to prepare students for internationally-focused careers in various fields, and with the College of Liberal Arts Academic Advising Center to ensure our students' timely graduation.

Graduation Requirements

For graduation, all majors are required to maintain a TXST GPA of 2.75, a major GPA of 3.00, complete the Texas State general education core curriculum (including the additional special requirements for the B.A.I.S.), the International Studies Core, and the International Studies major courses. Additionally, all undergraduate students pursuing the B.A.I.S. degree are required to complete a global academic experience. The requirement can be fulfilled by a study abroad course or the IS 4387, International Studies Internship, if it entails international work, service, or group research. The Center's director and academic program coordinator will work closely with IS majors to find the best options for faculty-led or independent international study. International Studies majors are not required to complete a minor. Students must meet all course prerequisites. Please see the College of Liberal Arts, and Degrees and Programs sections of this catalog for specific information on the general education core curriculum, and special requirements for the B.A.I.S.

International Studies majors are required to complete the special requirements in science, modern language, and English Literature. For International Studies majors, the list of approved additional science courses under that section is expanded to include statistics. Approved statistics courses are:

Code	Title	Hours
QMST 2333	Business Statistics	3
SOCI 3307	Statistics for the Behavioral Sciences	3
GEO 3301	Research Methods in Geography	3
PS 3315	Quantitative Research in Political Science	3
CJ 3347	Statistics For Criminal Justice	3
HP 3302	Biostatistics	3
MATH 2358	Discrete Mathematics I	3
MATH 3305	Introduction to Probability and Statistics	3

International Studies Core

All majors in International Studies are required to complete 27 hours of core courses:

Code	Title	Hours
ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
GEO 1310	World Geography	3
GEO 3303	Economic Geography	3
HIST 2310	Western Civilization to 1715	3
or HIST 2311	History of World Civilization to the 17th Century	
HIST 2312	History of World Civilization from the 17th Century	3
or HIST 2320	Western Civilization, 1715 to Date	
IS 4380	International Studies Seminar	3
PS 3351	Introduction to International Studies	3
Modern Language of one advanced (3000- or 4000-level) course in the same language that was completed for the additional BA requirements		3
MODL 2310		
MODL 2320		
Total Hours		27

Bachelor of Arts in International Studies (B.A.I.S.)

- Major in International Relations (p. 434)
- Major in International Studies (Asian Studies Concentration) (p. 435)
- Major in International Studies (European Studies Concentration) (p. 436)
- Major in International Studies (Interamerican Studies Concentration) (p. 437)
- Major in International Studies (International Business Concentration) (p. 438)
- Major in International Studies (Middle East/African Studies Concentration) (p. 439)
- Major in International Studies (Russian/East European Studies Concentration) (p. 440)
- Major in International Studies (Travel and Tourism Concentration) (p. 441)

Minor

- International Studies (p. 442)

Courses in International Studies (IS)

IS 4380. International Studies Seminar.
A senior-level seminar that explores international topics through reading, writing, research and group discussion. Students will be expected to produce a significant research paper. This course is required for all International Studies majors and should be taken in the senior year of undergraduate study. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

IS 4387. International Studies Internship.
A semester-long work and study experience in a local, national, or foreign setting. Internships must be approved by the director of the Center for International Studies. May be repeated for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

IS 4687. International Studies Internship.
A semester long work and study experience in a local, national, or foreign setting. Internships must be approved by the director of the Center for International Studies. Repeatable once for credit. Prerequisite: Minimum 3.0 Texas State GPA.
6 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Bachelor of Arts in International Studies (B.A.I.S.) Major in International Relations

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Arts in International Studies (B.A.I.S.) degree with a major in International Relations requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/liberal-arts/international-studies/#admissionstext
2. All B.A.I.S. degree programs in the Center for International Studies are required to have at least a sophomore standing.
3. Students must have successfully completed ENG 1310, ENG 1320, HIST 1310, HIST 1320, POSI 2310 and P or approved equivalents.
4. Students will generally be accepted under pre-major status. To gain acceptance into the International Relations major, students are required to have completed at least 30 hours, have a 2.75 Texas State GPA and a 3.00 major GPA, which must be maintained through graduation.
5. Eligible students should schedule an advising appointment with the Liberal Arts Advising Center to declare the major in International Relations.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts in International Studies (B.A.I.S.) degree requires three additional hours of English literature, three hours of math/science/logic/computer science courses, and six hours of 2000-level modern language courses.
3. Students are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, if it entails international work, service, or group research. Consult with the academic program coordinator in the Center for International Studies for options.
4. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. Students choose 2 courses (6 hours) from the list of prescribed electives for the International Relations major. The list of electives is available on the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	ENG 1320 (Communication Component Code 010)	3
Modern Language 1410	4	POSI 2320 (Government/ Political Science Component Code 070)	3
MATH 1315 (Mathematics Component Code 020)	3	Modern Language 1420	4
GEO 1310 (Social & Behavioral Sciences Component Code 080)	3	COMM 1310 (Component Area Option Code 090/091)	3
US 1100	1		
	17		16

Sophomore

First Semester	Hours	Second Semester	Hours
HIST 1320 (American History Component Code 060)	3	ECO 2315	3
ENG Literature (Component Area Option Code 090/094)	3	Life & Physical Sciences Component Code 030	3
PS 3351	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Modern Language 2310[1]	3	HIST 2310 or 2311	3
ECO 2314	3	Modern Language 2320[1]	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
HIST 2312 or 2320	3	BAIS ENG Literature	3
Modern Language Advanced[1]	3	BAIS Computer Science, Logic, Mathematics or science	3
International Relations Elective[2]	3	GEO 3303	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	International Relations Electives[2]	6
Life & Physical Sciences Component Code 030	3		
	15		15

Senior

First Semester	Hours	Second Semester	Hours
International Relations Electives[2]	12	IS 4380	3
Elective	3	International Relations Electives[2]	6

Elective	3
15	12

Total Hours: 120

1 The 3-hour advanced language course requirement must be completed from the same language that was completed for the additional B.A.I.S. requirements (2310 and 2320).

2 Students are required to select courses from a list of prescribed (pre-approved) electives specific to the International Relations major. For a complete list of course options that will satisfy the International Relations major, see the list of electives available on the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html
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Bachelor of Arts in International Studies (B.A.I.S.) Major in International Studies (Asian Studies Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Arts in International Studies (B.A.I.S.) degree with a major in International Studies requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/liberal-arts/international-studies/#admissionstext
2. All degree programs in the Center for International Studies are required to have at least a sophomore standing.
3. Students must have successfully completed ENG 1310, ENG 1320, HIST 1310, HIST 1320, POSI 2310 and POSI 2320, or approved equivalents.
4. Students will generally be accepted under pre-major status. To gain acceptance into the International Studies major, students are required to have completed at least 30 hours, have a 2.75 Texas State GPA and a 3.00 major GPA, which must be maintained through graduation.
5. Eligible students should schedule an advising appointment with the Liberal Arts Advising Center to declare the major in International Studies.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts in International Studies (B.A.I.S.) degree requires three additional hours of English literature, three hours of math/science/logic/computer science courses, and six hours of 2000-level modern language courses.
3. Students are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, if it entails international work, service, or group research. Consult with the academic program coordinator in the Center for International Studies for options.
4. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. Students choose 9 courses (27 hours) from the list of prescribed electives for the Asian Studies Concentration. No more than 3 courses (9 hours) can be taken from a single discipline. The list of electives is available on the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	ENG 1320 (Communication Component Code 010)	3
Modern Language 1410	4	POSI 2320 (Government/ Political Science Component Code 070)	3
MATH 1315 (Mathematics Component Code 020)	3	Modern Language 1420	4
GEO 1310 (Social & Behavioral Sciences Component Code 080)	3	COMM 1310 (Component Area Option Code 090/091)	3
US 1100	1		
	17		16

Sophomore

First Semester	Hours	Second Semester	Hours
HIST 1320 (American History Component Code 060)	3	ECO 2315	3
ENG Literature (Component Area Option Code 090/094)	3	Life & Physical Sciences Component Code 030	3
PS 3351	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Modern Language 2310[1]	3	HIST 2310 or 2311	3
ECO 2314	3	Modern Language 2320[1]	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
HIST 2312 or 2320	3	BAIS ENG Literature	3
Modern Language Advanced[1]	3	BAIS Computer Science, Logic, Mathematics or science	3
Asian Studies Elective[2]	3	GEO 3303	3

ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	Asian Studies Elective[2]	6
Life & Physical Sciences Component Code 030	3		
	15		15

Senior

First Semester	Hours	Second Semester	Hours
Asian Studies Elective[2]	12	IS 4380	3
Elective	3	Asian Studies Elective[2]	6
		Elective	3
	15		12

Total Hours: 120

1 The 3 hour advanced language course requirement must be completed in one of the main Asian Languages.

2 Students are required to select courses from a list of prescribed (pre-approved) electives specific to each International Studies concentration. For a complete list of course options that will satisfy the Asian Studies Concentration, please visit the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Bachelor of Arts in International Studies (B.A.I.S.) Major in International Studies (European Studies Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Arts in International Studies (B.A.I.S.) degree with a major in International Studies requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/liberal-arts/international-studies/#admissionstext
2. All degree programs in the Center for International Studies are required to have at least a sophomore standing.
3. Students must have successfully completed ENG 1310, ENG 1320, HIST 1310, HIST 1320, POSI 2310 and POSI 2320, or approved equivalents.
4. Students will generally be accepted under pre-major status. To gain acceptance into the International Studies major, students are required to have completed at least 30 hours, have a 2.75 Texas State GPA and a 3.00 major GPA, which must be maintained through graduation.
5. Eligible students should schedule an advising appointment with the Liberal Arts Advising Center to declare the major in International Studies.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts in International Studies (B.A.I.S.) degree requires three additional hours of English literature, three hours of math/science/logic/computer science courses, and six hours of 2000-level modern language courses.
3. Students are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, if it entails international work, service, or group research. Consult with the academic program coordinator in the Center for International Studies for options.
4. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. Students choose 9 courses (27 hours) from the list of prescribed electives for the European Studies Concentration. No more than 3 courses (9 hours) can be taken from a single discipline. The list of electives is available on the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/Political Science Component Code 070)	3	ENG 1320 (Communication Component Code 010)	3
Modern Language 1410	4	POSI 2320 (Government/Political Science Component Code 070)	3
MATH 1315 (Mathematics Component Code 020)	3	Modern Language 1420	4
GEO 1310 (Social & Behavioral Sciences Component Code 080)	3	COMM 1310 (Component Area Option Code 090/091)	3
US 1100	1		
	17		16

Sophomore

First Semester	Hours	Second Semester	Hours
HIST 1320 (American History Component Code 060)	3	ECO 2315	3
ENG Literature (Component Area Option Code 090/094)	3	Life & Physical Sciences Component Code 030	3
PS 3351	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Modern Language 2310[1]	3	HIST 2310 or 2311	3
ECO 2314	3	Modern Language 2320[1]	3
	15		15

First Semester	Hours	Junior Second Semester	Hours
HIST 2312 or 2320	3	BAIS ENG Literature	3
Modern Language Advanced[1]	3	BAIS Computer Science, Logic, Mathematics or science	3
Life & Physical Sciences Component Code 030	3	GEO 3303	3
European Studies Elective[2]	3	European Studies Elective[2]	6
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		
	15		15

First Semester	Hours	Senior Second Semester	Hours
European Studies Elective[2]	12	IS 4380	3
Elective	3	European Studies Elective[2]	6
		Elective	3
	15		12

Total Hours: 120

1 The 3 hour advanced language course requirement must be completed in one of the main European languages, and should be from the same language that was completed for the additional B.A.I.S. requirements (2310 and 2320).

2 Students are required to select courses from a list of prescribed (pre-approved) electives specific to each International Studies concentration. For a complete list of course options that will satisfy the European Studies Concentration, please visit the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Bachelor of Arts in International Studies (B.A.I.S.) Major in International Studies (Interamerican Studies Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Arts in International Studies (B.A.I.S.) degree with a major in International Studies requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/liberal-arts/international-studies/#admissionstext
2. All degree programs in the Center for International Studies are required to have at least a sophomore standing.
3. Students must have successfully completed ENG 1310, ENG 1320, HIST 1310, HIST 1320, POSI 2310 and POSI 2320, or approved equivalents.
4. Students will generally be accepted under pre-major status. To gain acceptance into the International Studies major, students are required to have completed at least 30 hours, have a 2.75 Texas State GPA and a 3.00 major GPA, which must be maintained through graduation.
5. Eligible students should schedule an advising appointment with the Liberal Arts Advising Center to declare the major in International Studies.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts in International Studies (B.A.I.S.) degree requires three additional hours of English literature, three hours of math/science/logic/computer science courses, and six hours of 2000-level modern language courses.
3. Students are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, if it entails international work, service, or group research. Consult with the academic program coordinator in the Center for International Studies for options.
4. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. Students choose 9 courses (27 hours) from the list of prescribed electives for the Inter-american Studies Concentration. No more than 3 courses (9 hours) can be taken from a single discipline. The list of electives is available on the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Course Requirements

First Semester	Hours	Freshman Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/Political Science Component Code 070)	3	ENG 1320 (Communication Component Code 010)	3
Modern Language 1410	4	POSI 2320 (Government/Political Science Component Code 070)	3
MATH 1315 (Mathematics Component Code 020)	3	Modern Language 1420	4
GEO 1310 (Social & Behavioral Sciences Component Code 080)	3	COMM 1310 (Component Area Option Code 090/091)	3
US 1100	1		
	17		16

Sophomore

First Semester	Hours	Second Semester	Hours
HIST 1320 (American History Component Code 060)	3	ECO 2315	3
ENG Literature (Component Area Option Code 090/094)	3	Life & Physical Sciences Component Code 030	3
PS 3351	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Modern Language 2310[1]	3	HIST 2310 or 2311	3
ECO 2314	3	Modern Language 2320[1]	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
HIST 2312 or 2320	3	BAIS ENG Literature	3
Modern Language Advanced[1]	3	BAIS Computer Science, Logic, Mathematics or science	3
Life & Physical Sciences Component Code 030	3	GEO 3303	3
Inter-american Studies Elective[2]	3	Inter-american Studies Elective[2]	6
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		
	15		15

Senior

First Semester	Hours	Second Semester	Hours
Inter-american Studies Elective[2]	12	IS 4380	3
Elective	3	Inter-american Studies Elective[2]	6
		Elective	3
	15		12

Total Hours: 120

1 The 3 hour advanced language course requirement must be completed in French, Portuguese, or Spanish, and should be from the same language that was completed for the additional B.A.I.S. requirements (2310 and 2320).

2 Students are required to select courses from a list of prescribed (pre-approved) electives specific to each International Studies concentration. For a complete list of course options that will satisfy the Interamerican Studies Concentration, please visit the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Bachelor of Arts in International Studies (B.A.I.S.) Major in International Studies (International Business Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Arts in International Studies (B.A.I.S.) degree with a major in International Studies requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/liberal-arts/international-studies/#admissionstext
2. All degree programs in the Center for International Studies are required to have at least a sophomore standing.
3. Students must have successfully completed ENG 1310, ENG 1320, HIST 1310, HIST 1320, POSI 2310 and POSI 232 or approved equivalents.
4. Students will generally be accepted under pre-major status. To gain acceptance into the International Studies major, students are required to have completed at least 30 hours, have a 2.75 Texas State GPA and a 3.00 major GPA, which must be maintained through graduation.
5. Eligible students should schedule an advising appointment with the Liberal Arts Advising Center to declare the major in International Studies.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts in International Studies (B.A.I.S.) degree requires three additional hours of English literature, three hours of math/science/logic/computer science courses, and six hours of 2000-level modern language courses.
3. Students are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, if it entails international work, service, or group research. Consult with the academic program coordinator in the Center for International Studies for options.
4. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. Students choose 9 courses (27 hours) from the list of prescribed electives for the International Business Concentration. No more than 3 courses (9 hours) can be taken from a single discipline. The list of electives is available on the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Course Requirements

Freshman			
First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	ENG 1320 (Communication Component Code 010)	3
Modern Language 1410	4	POSI 2320 (Government/ Political Science Component Code 070)	3
MATH 1315 (Mathematics Component Code 020)	3	Modern Language 1420	4
GEO 1310 (Social & Behavioral Sciences Component Code 080)	3	COMM 1310 (Component Area Option Code 090/091)	3
US 1100	1		
	17		16

Sophomore			
First Semester	Hours	Second Semester	Hours
HIST 1320 (American History Component Code 060)	3	ECO 2315	3
ENG Literature (Component Area Option Code 090/094)	3	Life & Physical Sciences Component Code 030	3
PS 3351	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Modern Language 2310[1]	3	HIST 2310 or 2320	3
ECO 2314	3	Modern Language 2320[1]	3
	15		15

Junior			
First Semester	Hours	Second Semester	Hours
HIST 2312 or 2320	3	BAIS ENG Literature	3
Modern Language Advanced[1]	3	BAIS Computer Science, Logic, Mathematics or science	3
Life & Physical Sciences Component Code 030	3	GEO 3303	3
International Business Elective[2]	3	International Business Elective[2]	6
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		
	15		15

Senior			
First Semester	Hours	Second Semester	Hours
International Business Elective[2]	12	IS 4380	3
Elective	3	International Business Elective[2]	9
	15		12

Total Hours: 120

1. The 3 hour advanced language course requirement must be completed from the same language that was completed for the additional B.A.I.S. requirements (2310 and 2320).
2. Students are required to select courses from a list of prescribed (pre-approved) electives specific to each International Studies concentration. For a complete list of course options that will satisfy the International Business Concentration, please visit the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Bachelor of Arts in International Studies (B.A.I.S.) Major in International Studies (Middle East/ African Studies Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Arts in International Studies (B.A.I.S.) degree with a major in International Studies requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/liberal-arts/international-studies/#admissionstext
2. All degree programs in the Center for International Studies are required to have at least a sophomore standing.
3. Students must have successfully completed ENG 1310, ENG 1320, HIST 1310, HIST 1320, POSI 2310 and POSI 232 or approved equivalents.
4. Students will generally be accepted under pre-major status. To gain acceptance into the International Studies major, students are required to have completed at least 30 hours, have a 2.75 Texas State GPA and a 3.00 major GPA, which must be maintained through graduation.
5. Eligible students should schedule an advising appointment with the Liberal Arts Advising Center to declare the major in International Studies.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts in International Studies (B.A.I.S.) degree requires three additional hours of English literature, three hours of math/science/logic/computer science courses, and six hours of 2000-level modern language courses.

3. Students are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, if it entails international work, service, or group research. Consult with the academic program coordinator in the Center for International Studies for options.
4. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. Students choose 9 courses (27 hours) from the list of prescribed electives for the Middle East/African Studies Concentration. No more than 3 courses (9 hours) can be taken from a single discipline. The list of electives is available on the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Course Requirements

			Freshman	
First Semester	**Hours**		**Second Semester**	**Hours**
ENG 1310 (Communication Component Code 010)	3		HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3		ENG 1320 (Communication Component Code 010)	3
Modern Language 1410	4		POSI 2320 (Government/ Political Science Component Code 070)	3
MATH 1315 (Mathematics Component Code 020)	3		Modern Language 1420	4
GEO 1310 (Social & Behavioral Sciences Component Code 080)	3		COMM 1310 (Component Area Option Code 090/091)	3
US 1100	1			
	17			16
			Sophomore	
First Semester	**Hours**		**Second Semester**	**Hours**
HIST 1320 (American History Component Code 060)	3		ECO 2315	3
ENG Literature (Component Area Option Code 090/094)	3		Life & Physical Sciences Component Code 030	3
PS 3351	3		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Modern Language 2310[1]	3		HIST 2310 or 2311	3
ECO 2314	3		Modern Language 2320[1]	3
	15			15
			Junior	
First Semester	**Hours**		**Second Semester**	**Hours**
HIST 2312 or 2320	3		BAIS ENG Literature	3
Modern Language Advanced[1]	3		BAIS Computer Science, Logic, Mathematics or science	3
Life & Physical Sciences Component Code 030	3		GEO 3303	3
Middle East/African Studies Elective[2]	3		Middle East/African Studies Elective[2]	6
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3			
	15			15
			Senior	
First Semester	**Hours**		**Second Semester**	**Hours**
Middle East/African Studies Elective[2]	12		IS 4380	3
Elective	3		Middle East/African Studies Elective[2]	6
			Elective	3
	15			12

Total Hours: 120

1 The 3 hour advanced language course requirement must be completed from the same language that was completed for the additional B.A.I.S. requirements (2310 and 2320) and must be completed in French, Spanish, or Arabic.

2 Students are required to select courses from a list of prescribed (pre-approved) electives specific to each International Studies concentration. For a complete list of course options that will satisfy the Middle East/African Studies Concentration, please visit the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Bachelor of Arts in International Studies (B.A.I.S.) Major in International Studies (Russian/East European Studies Focus)

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Arts in International Studies (B.A.I.S.) degree with a major in International Studies requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/liberal-arts/international-studies/#admissionstext
2. All degree programs in the Center for International Studies are required to have at least a sophomore standing.
3. Students must have successfully completed ENG 1310, ENG 1320, HIST 1310, HIST 1320, POSI 2310 and POSI 232 or approved equivalents.
4. Students will generally be accepted under pre-major status. To gain acceptance into the International Studies major, students are required to have completed at least 30 hours, have a 2.75 Texas State GPA and a 3.00 major GPA, which must be maintained through graduation.
5. Eligible students should schedule an advising appointment with the Liberal Arts Advising Center to declare the major in International Studies.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts in International Studies (B.A.I.S.) degree requires three additional hours of English literature, three hours of math/science/logic/computer science courses, and six hours of 2000-level modern language courses.
3. Students are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, if it entails international work, service, or group research. Consult with the academic program coordinator in the Center for International Studies for options.
4. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. Students choose 9 courses (27 hours); no more than 3 courses (9 hours) from the list of prescribed electives for the Russian/East European Studies Concentration. No more than 3 courses (9 hours) can be taken from a single discipline. The list of electives is available on the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/Political Science Component Code 070)	3	ENG 1320 (Communication Component Code 010)	3
Modern Language 1410	4	POSI 2320 (Government/Political Science Component Code 070)	3
MATH 1315 (Mathematics Component Code 020)	3	Modern Language 1420	4
GEO 1310 (Social & Behavioral Sciences Component Code 080)	3	COMM 1310 (Component Area Option Code 090/091)	3
US 1100	1		
	17		16

Sophomore

First Semester	Hours	Second Semester	Hours
HIST 1320 (American History Component Code 060)	3	ECO 2315	3
ENG Literature (Component Area Option Code 090/094)	3	Life & Physical Sciences Component Code 030	3
PS 3351	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Modern Language 2310[1]	3	HIST 2310 or 2311	3
ECO 2314	3	Modern Language 2320[1]	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
HIST 2312 or 2320	3	BAIS ENG Literature	3
Modern Language Advanced[1]	3	BAIS Computer Science, Logic, Mathematics or science	3
Life & Physical Sciences Component Code 030	3	GEO 3303	3
Russian/East European Studies Elective[2]	3	Russian/East European Studies Elective[2]	6
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		
	15		15

Senior

First Semester	Hours	Second Semester	Hours
Russian/East European Studies Elective[2]	12	IS 4380	3
Elective	3	Russian/East European Studies Elective[2]	6
		Elective	3
	15		12

Total Hours: 120

1 The 3 hour advanced language course requirement must be completed in an appropriate language and should be from the same language that was completed for the additional B.A.I.S. requirements (2310 and 2320).

2 Students are required to select courses from a list of prescribed (pre-approved) electives specific to each International Studies concentration. For a complete list of course options that will satisfy the Russian/East European Studies Concentration, please visit the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Bachelor of Arts in International Studies (B.A.I.S.) Major in International Studies (Travel and Tourism Concentration)

Minimum required: 120 semester credit hours

Admission Requirements

1. The Bachelor of Arts in International Studies (B.A.I.S.) degree with a major in International Studies requires admission to the university and admission to the program. Information about the

program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/liberal-arts/international-studies/#admissionstext

2. All degree programs in the Center for International Studies are required to have at least a sophomore standing.
3. Students must have successfully completed ENG 1310, ENG 1320, HIST 1310, HIST 1320, POSI 2310 and POSI 2320, or approved equivalents.
4. Students will generally be accepted under pre-major status. To gain acceptance into the International Studies major, students are required to have completed at least 30 hours, have a 2.75 Texas State GPA and a 3.00 major GPA, which must be maintained through graduation.
5. Eligible students should schedule an advising appointment with the Liberal Arts Advising Center to declare the major in International Studies.

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts in International Studies (B.A.I.S.) degree requires three additional hours of English literature, three hours of math/science/logic/computer science courses, and six hours of 2000-level modern language courses.
3. Students are required to complete a global academic experience that can be fulfilled by a study abroad course or the IS 4387, if it entails international work, service, or group research. Consult with the academic program coordinator in the Center for International Studies for options.
4. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. Students choose 2 courses (6 hours) from the list of prescribed electives for the Travel and Tourism Concentration. The list of electives is available on the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	ENG 1320 (Communication Component Code 010)	3
Modern Language 1410	4	POSI 2320 (Government/ Political Science Component Code 070)	3
MATH 1315 (Mathematics Component Code 020)	3	Modern Language 1420	4
GEO 1310 (Social & Behavioral Sciences Component Code 080)	3	COMM 1310 (Component Area Option Code 090/091)	3
US 1100	1		
	17		16

Sophomore

First Semester	Hours	Second Semester	Hours
HIST 1320 (American History Component Code 060)	3	ECO 2315	3
ENG Literature (Component Area Option Code 090/094)	3	Life & Physical Sciences Component Code 030	3
PS 3351	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Modern Language 2310[1]	3	HIST 2310 or 2320	3
ECO 2314	3	Modern Language 2320[1]	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
HIST 2312 or 2320	3	BAIS ENG Literature	3
Modern Language Advanced[1]	3	BAIS Computer Science, Logic, Mathematics or science	3
Life & Physical Sciences Component Code 030	3	GEO 3303	3
Travel & Tourism Elective[2]	3	Travel & Tourism Elective[2]	6
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		
	15		15

Senior

First Semester	Hours	Second Semester	Hours
Travel & Tourism Elective[2]	6	IS 4380	3
IS 4687	6	Travel & Tourism Elective[2]	9
Elective	3		
	15		12

Total Hours: 120

[1] The 3 hour advanced language course requirement must be completed from the same language that was completed for the additional B.A.I.S. requirements (2310 and 2320).

[2] Students are required to select courses from a list of prescribed (pre-approved) electives specific to each International Studies concentration. For a complete list of course options that will satisfy the Travel and Tourism Concentration, please visit the Center for International Studies website at http://www.txstate.edu/internationalstudies/Degrees-and-Programs/undergraduatedegrees.html

Minor in International Studies

The minor in International Studies requires 21 semester credit hours.

Code	Title	Hours
Required Courses		
GEO 1310	World Geography	3
GEO 3303	Economic Geography	3
PS 3351	Introduction to International Studies	3
Choose 3 hours from the following:		3
ECO 3317	International Economics	
PS 3353	Issues in World Politics	
PS 3352	Theories of International Politics	
PS 4352	International Law	
PS 4353	International Organizations	
PS 4354	Politics of International Economic Relations	
PS 4351	International Conflict and Security	
Electives		
Choose 9 hours of advanced courses [1]		9
Total Hours		21

[1] The nine hours of advanced electives are to be selected from an approved list that is available in the Center for International Studies. Please contact an advisor for this list. All courses attempted toward the minor must be completed with a minimum grade of "C" or better.

Students wishing to satisfy coursework in the minor through participation in Texas State Affiliated programs through the Study Abroad Office must complete all of the following steps:

1. Declare International Studies as a minor before going abroad.
2. Attend a General Information Session through the Study Abroad Office.
3. Complete the Transfer Credit Agreement Form.
4. Complete the Texas State Affiliated Program Application.
5. Submit the Transfer Credit Agreement Form to the Center for International Studies (Center) and meet with the Director, Associate Director, or Academic Advisor of the Center to review the completed Transfer Credit Agreement Form. A completed Transfer Credit Agreement form should include prospective courses from the affiliated institution and the Texas State equivalency. All courses evaluated via Transfer Credit Agreement Form must be approved by the Director or Associate Director of the Center. The Center will review courses with the following prefixes (pending evaluation as an Elective Advanced course - ELADV) – ANTH, ECO, FIN, GEO, HIST, IS, MC, MGT, MKT, PA, PHIL, POSI, PS, and SOCI. Additional courses outside of approved prefixes will be evaluated on a case-by-case basis.
6. Submit the Texas State Affiliated Program Application to the Study Abroad Office with a copy to the Center.
7. Apply through your respective Affiliated Provider.

Enrolling in courses not indicated on Transfer Credit Agreement may result in courses not being counted towards degree program. Such courses may be ineligible for financial aid. Any new course selection will require an updated Transfer Credit Agreement form that must be reviewed and approved by the Center.

Center for Diversity and Gender Studies

Undergraduate Academic Center Room 478
Telephone: 512-245-2361 Fax: 512-245-1414

www.txstate.edu/cdgs (http://www.txstate.edu/cdgs)

The Center for Diversity and Gender Studies in the College of Liberal Arts administers the Diversity Studies minor and the Women's Studies minors at the undergraduate and graduate levels. The Center helps prepare students to work and live in a pluralistic society through curricular and co-curricular activities — symposia, workshops, exhibits, and research projects. In addition, it assists faculty with resources and professional development activities to encourage the infusion of multiculturalism in the curriculum through a Multicultural Curriculum Transformation and Research Institute. It houses a resource area with more than 500 books, articles, and syllabi. The Center is home to its own online professional peer reviewed *Journal of Research on Women and Gender*. Through private donations, Diversity and Gender Studies offers annual scholarships to students. The director of the Center works in collaboration with an advisory council of faculty and staff representing several Texas State colleges and departments.

Key issues for prospective minors to consider:

- Tomorrow's graduates will be entering a work force dominated by technological, service, and communication industries with an increasingly diverse workplace and clientele.
- Employer demand is increasing for diversity knowledge and skills among today's college students.
- Well-rounded graduates have included in their liberal arts education a greater-knowledge of their cultural history and traditions.

Minors

- African American Studies (p. 444)
- Diversity Studies (p. 444)
- Women's Studies (p. 446)

Subjects in this center include: DVST (p. 443), WS (p. 444)

Courses in Diversity Studies (DVST)

DVST 3301. Introduction to Diversity Studies.
The course is a general, multi-disciplinary and comparative survey of U.S diversity issues. It highlights the traditional minorities, such as African, Latino/a American, Native, and Asian Americas, as well as European American ethnic groups. It also explores issues related to religion, age, sexual orientation, gender identity, and physical ability/disability. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

DVST 3320. Introduction to Global Diversity Issues.
This course provides an understanding of relationship between U.S and other nations in terms of economics, politics, and culture. Students will examine how colonialism shaped developed and underdeveloped nations, investigate grassroots activism in response to globalization and will examine how policies formulation by one country has consequences for other countries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Courses in Women's Studies (WS)

WS 3376. Images of Women.
This course, one of two multidisciplinary team-taught women's studies courses, is a survey of the changing images of women in the U.S. since 1800 through the eyes of historians, writers, artists, orators, the media, and educators. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

WS 3377. Realities of Women.
This course, one of two multidisciplinary team-taught women's studies courses, is the study of realities faced by women in the U.S. today--including biological and psychological differences in males and females, politics and the law, the work force, and the home. Gender roles in societies outside the U.S. will also be examined. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

WS 4388. Independent Research in Women's Studies.
Independent study course open to advanced students on an individual or small group basis. The research area in Women's Studies, bibliography, and study paper outline are to be approved by the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

Minor in African American Studies

The minor in African American Studies requires 18 semester credit hours.

Code	Title	Hours
Required Courses		
AAS 2310	Introduction to African American Studies	3
AAS 4320	Global Perspectives on the African Diaspora	3
Prescribed Electives		
Choose 12 hours from the following:		12
ANTH 3314	Latin American Cultures	
ANTH 3322	Peoples and Cultures of Africa	
ANTH 3343	Human Variation and Adaptation	
ARTH 4310	Race and Representation	
CI 3310	Public Education in a Multicultural Society	
CJ 3322	Race, Ethnicity and Criminal Justice	
COMM 3329	Intercultural Communication	
COMM 3336	Diversity and Communication	
COMM 4321	American Speeches	
COMM 4322	Rhetoric of Protest Movements	
COMM 4341	Intercultural Communication in the Americas	
DAN 2368	World Dance and Cultures	
DVST 3301	Introduction to Diversity Studies	
DVST 3320	Introduction to Global Diversity Issues	
ENG 3331	Literature of Black America	
ENG 3321	The Short Story	
ENG 3338	The American Novel	
ENG 3341	Studies in World Literature	
ENG 3343	The Interdisciplinary Approach to Literature	
ENG 4323	Studies in Autobiography and Biography	
FCD 4351	Cultural Diversity of Families	
GEO 3328	Geography of North Africa and the Middle East	
GEO 3340	Political Geography	
GEO 3353	American Ethnic Geography	
HIST 3346	The Civil War and Reconstruction	
HIST 3359	African American History	
HIST 3368S	History of Music and Race in the American South	
HIST 3369Y	Black Women and Black Protest in America	
HIST 3369Z	Immigration and US History	
HIST 3378	History of the Blues	
HIST 4350A	Slavery and Emancipation in the Americas	
HIST 4375B	African-American Experience in Texas	
HON 2305A	African American Popular Music: Society, Politics, and Culture	
HON 2306C	America in the 1960s: A History of Movements and Ideas	
HON 3392X	The Nature of the Human Experience: The Contemporary African Novel in English	
HON 2309M	From Jay-Z to Kendrick Lamar: Politics, Power, and Identity in Hip Hop Literature	
HON 3394Z	The Black Image in Postwar America	
MC 4308	Women and Minorities in the Media	
MKT 3385	Ethnic and Niche Marketing	
MU 3375	History of Jazz	
MU 3380D	History of Blues	
PHIL 4373	Themes in Africana Philosophy	
PS 3342	African Politics	
PS 4322	African American Politics	
PS 4331	Islamic Law and Politics	
PS 4351	International Conflict and Security	
PSY 3334	Psychology of Human Diversity	
PSY 3337	Psychology of Prejudice, Discrimination, and Hate	
SOCI 3327	Sociology of Racial and Ethnic Relations	
SOWK 4302	Hip Hop and Social Justice for Individual and Community Change	
SOWK 4310	Diversity and Social Justice in Social Work	
TH 4303	Multicultural Perspectives in American Theatre	
Total Hours		18

Minor in Diversity Studies

The minor in Diversity Studies requires 18 semester credit hours. The minor provides for an interdisciplinary approach to Diversity Studies with conceptual frameworks for exploring new perspectives which recover the history and creative expressions previously excluded by the traditional approaches to higher education. The minor fosters students' development of self, voice, and moral vision to prepare students to live and work effectively in a pluralistic society and a global world. Students will explore issues related to race, ethnicity, gender, religion, age, sexual orientation, and physical ability and disability. Using the courses available students may design a special focus based on their interest or career path. Relevant courses may be substituted with approval from the director of the Center for Diversity and Gender Studies. The two

required core courses (6 hours) are DVST 3301, which offers a general, multidisciplinary and comparative survey of diversity, and DVST 3320, which provides students with a global view of diversity issues.

Code	Title	Hours
Required Courses		6
DVST 3301	Introduction to Diversity Studies	
DVST 3320	Introduction to Global Diversity Issues	
Electives		
Choose 12 hours from the following:		12
AG 3319	International Food and Fiber Systems	
ANTH 1312	Cultural Anthropology	
ANTH 3301	Principles of Cultural Anthropology	
ANTH 3309	Cultures Through Film	
ANTH 3314	Latin American Cultures	
ANTH 3322	Peoples and Cultures of Africa	
ANTH 3324	Mexican American Culture	
ANTH 3332	Myths and Moundbuilders	
ANTH 3345	Archaeology of Mexico	
ANTH 3350	Gender and Sexuality in Cross-cultural Perspective	
ARTH 3307	Issues in Contemporary Art	
ARTH 4310	Race and Representation	
CJ 3322	Race, Ethnicity and Criminal Justice	
CJ 4326	Women and Criminal Justice	
COMM 3329	Intercultural Communication	
COMM 4341	Intercultural Communication in the Americas	
COMM 4322	Rhetoric of Protest Movements	
ENG 2310	British Literature before 1785	
ENG 2320	British Literature since 1785	
ENG 3309	The Southwest in Film	
ENG 3325	Russian Literature in Translation	
ENG 3327	Types of World Drama in English	
ENG 3331	Literature of Black America	
ENG 3344	Chicano/a Narrative and Social History	
ENG 3345	Southwestern Studies I: Defining the Region	
ENG 3346	Southwestern Studies II: Consequences of Region	
ENG 3388	Women and Literature	
ENG 4325	Literature of the Southwest	
GEO 3308	Latin America	
GEO 3328	Geography of North Africa and the Middle East	
GEO 3329	Geography of Texas	
GEO 3332	Geography of South and Southeast Asia	
GEO 3333	Geography of China and Japan	
GEO 3353	American Ethnic Geography	
HIST 3310	History of Europe, 1815-1919	
HIST 3311	History of Europe Since 1919	
HIST 3320	History of Mexico	
HIST 3329	Spanish Borderlands, 1521-1821	
HIST 3359	African American History	
HIST 3369Y	Black Women and Black Protest in America	
HIST 3369Z	Immigration and US History	
HIST 3372	Texas History: A Survey	
HIST 3375A	Topics in Working Class History	
HIST 3380	The Desegregation of the South from 1944-1970	
HIST 4325	Islamic History to 1798	
HIST 4350N	The 20th Century Middle East: Syria, Iraq, and Palestine	
HIST 4371	Introduction to American Indian History	
HIST 4372	Mexican American History	
HIST 4375B	African-American Experience in Texas	
HIST 4376	The History of Texas Music	
HON 2306C	America in the 1960s: A History of Movements and Ideas	
HON 2309M	From Jay-Z to Kendrick Lamar: Politics, Power, and Identity in Hip Hop Literature	
HON 2390K	An Introduction to Arab Culture	
HON 2390L	An Introduction to to Islam	
HON 3391W	Service Learning: A Study Abroad Course	
HON 3393Y	Ethics of Care - East and West	
HON 3394C	Japanese Urban Experience	
LATS 2300	Introduction to Latina/o Studies	
LATS 4325	Latina/o Identities, Communities and Social Change	
MC 3355	Mass Media and Society	
MC 4303	International Advertising	
MC 4308	Women and Minorities in the Media	
MC 4310	International Communication	
MC 4319	Latinas/Latinos and the Media	
MGT 3375	International Business	
MKT 3385	Ethnic and Niche Marketing	
MKT 4310	International Marketing	
MU 3375	History of Jazz	
PHIL 4371	Asian Philosophy	
PHIL 4372	Latin American Philosophy	
PHIL 4373	Themes in Africana Philosophy	
PA 3316	Metropolitan Politics	
PS 3341	Comparative Politics	
PS 3342	African Politics	
PS 3343	Government and Politics of Latin America	
PS 3346	Government and Politics of Asia	
PS 3347	Politics of Modern Southeast Asia	
PS 4313	The Holocaust	
PS 4322	African American Politics	
PS 4323	Latina/o Politics	
PS 4331	Islamic Law and Politics	
PS 4342	Economic Development in Latin America	
PSY 3334	Psychology of Human Diversity	
PSY 3337	Psychology of Prejudice, Discrimination, and Hate	
REL 1300	World Religions	
REL 2310	Introduction to the Hebrew Bible	
REL 2360	Asian Religious Traditions	
REL 3361C	Philosophical Issues in Judaism, Christianity, and Islam	
REL 3381	The Philosophical and Spiritual Heritage of India	
REL 3385	Buddhism	
SOCI 3322	Sociology of Latinos and Immigration	

SOCI 3327	Multicultural Relations	
SOCI 3330	Globalization and Development	
SOCI 3350	Men, Women, and Societies	
SOCI 3375M	Latinos and Aging	
SOWK 4310	Diversity and Social Justice in Social Work	
SPAN 3305	Latin American Literatures I	
SPAN 3306	Latin American Literatures II	
SPAN 3371	Latin American Civilization	
SPAN 4330	The Latin American Novel	
SPAN 4370	Hispanic Literature of the Southwest	
WS 3376	Images of Women	
Total Hours		18

Minor in Women's Studies

The minor in Women's Studies requires 18 semester credit hours. The minor offers an interdisciplinary program that concentrates on the images and realities of women. Drawing on recent scholarship on women and gender, the Women's Studies minor provides a flexible, coherent program that enables students to consider the significance of gender.

On a personal level, courses in this program enhance the human potential of both men and women, because knowledge about how societies construct gender relations can encourage students to examine their own attitudes and behavior. On an academic level, a minor in Women's Studies provides study of the ongoing scholarship about women and gender and offers students the opportunity for exciting intellectual growth. On a professional level, the minor provides a valuable specialty to prepare students for opportunities in a variety of fields, including business, counseling, education, government, health and medicine, human resources, law, politics, psychology, social work, and graduate studies. The Women's Studies minor helps students recognize their opportunities in a rapidly changing society and flexibly complements any major.

The two required core courses examine the images of women that are prevalent in Western culture (with examples being drawn from films, literature, visual arts, and popular music) as well as those topics and issues related to the realities of women's lives. Topics courses, offered on a selective basis, may also count toward the minor with permission from the Women's Studies Program Director.

Code	Title	Hours
Required Courses		
WS 3376	Images of Women	3
WS 3377	Realities of Women	3
Electives		
Choose 12 hours from the following:		12
ANTH 3324	Mexican American Culture	
ANTH 3350	Gender and Sexuality in Cross-cultural Perspective	
ANTH 4309	Culture, Medicine and the Body	
CJ 4326	Women and Criminal Justice	
COMM 3328	Communication and Gender	
DVST 3301	Introduction to Diversity Studies	
DVST 3320	Introduction to Global Diversity Issues	
ENG 3388	Women and Literature	
ENG 3392	Women Writers of the Middle Ages	
FCD 3350	Sexuality Across the Lifespan	
FM 2335	Gender, Appearance, and Society	
H ED 3360	Sexuality Education	
HIST 3369Y	Black Women and Black Protest in America	
HIST 3373A	U.S. Women's History to 1877	
HIST 3373B	U.S. Women's History since 1877	
HIST 3373C	The History of Rural Women	
HIST 4350E	Gender in Latin American History	
HIST 4350K	Gender & Militarization in the Arab World	
HON 2305B	Women and Texas Music	
HON 3392P	The Nature of the Human Experience: Technology & Gender in Film	
HON 3396U	From White Slavery to Sex Trafficking	
MC 4308	Women and Minorities in the Media	
MC 4319	Latinas/Latinos and the Media	
MU 3380A	Women in Jazz	
PHIL 3325	Philosophy of Sex and Love	
PHIL 3333	Feminist Theory	
PS 4324	Women in Politics	
PSY 2311	Psychology of Human Sexuality	
PSY 3332	Psychology of Women	
SOCI 3350	Men, Women, and Societies	
SOCI 3395	Sociology of Sexuality	
SPAN 4380G	Women, Minorities and Marginal Groups in Medieval Spanish Literature	
WS 4388	Independent Research in Women's Studies	
Total Hours		18

Center for the Study of the Southwest

Brazos Hall Room 212
T: 512.245.2224 F: 512.245.7462
www.txstate.edu/cssw (http://www.txstate.edu/cssw)

The Center for the Study of the Southwest in the College of Liberal Arts, established in February 1990, has a threefold mission: curriculum development, public outreach, and research. Its 18-hour interdisciplinary minor, administered jointly with the Department of English, was approved in 1992. The Center draws faculty from varied disciplines (Art, Biology, English, Geography, History, and others); it disseminates information about its programs and research through *Southwestern American Literature*, a biannual journal devoted to the literature and culture of the Greater Southwest, and *Texas Books in Review*, a journal that monitors publications from or about Texas.

The Center for the Study of the Southwest, funded in part by grants from the National Endowment for the Humanities and the Houston Endowment, promotes the exchange of knowledge about regional issues among individuals, communities, and institutions across the region and northern Mexico. The Center encourages students, teachers, and the general public to understand the power of place to build identity, honor diversity, strengthen community, and celebrate the human spirit.

Minor

- Southwestern Studies (p. 447)

Minor in Southwestern Studies

The minor in Southwestern Studies requires 18 semester credit hours. No more than three courses, including the required courses, in a single department may count toward this minor. A course may not be used to satisfy both a major and a minor requirement. Relevant Honors and topics courses may be substituted with permission from the Director of the Center for the Study of the Southwest.

Code	Title	Hours
Required Courses		
ENG 3345	Southwestern Studies I: Defining the Region	3
ENG 3346	Southwestern Studies II: Consequences of Region	3
Electives		
Choose 12 hours from the following:		12
ANTH 3314	Latin American Cultures	
ANTH 3315	Archaeology of the Southwest	
ANTH 3324	Mexican American Culture	
ARTH 4303	Pre-Columbian Art	
BIO 3460	Aquatic Biology	
BIO 4410	Field Biology of Plants	
BIO 4421	Ornithology	
BIO 4422	Mammalogy	
CI 3332	Foundations of Bilingual and ESL Education	
ENG 3309	The Southwest in Film	
ENG 3344	Chicano/a Narrative and Social History	
ENG 4325	Literature of the Southwest	
GEO 3308	Latin America	
GEO 3329	Geography of Texas	
HIST 3320	History of Mexico	
HIST 3327	History of Mexico to 1848	
HIST 3329	Spanish Borderlands, 1521-1821	
HIST 3353	Southwestern History	
HIST 3372	Texas History: A Survey	
HIST 4372	Mexican American History	
NHT 4301	Planning and Development of Nature and Heritage Tourism	
NHT 4302	Internship in Nature and Heritage Tourism	
PS 3343	Government and Politics of Latin America	
PS 3354	United States-Latin America Relations	
PS 4323	Latina/o Politics	
SOCI 3327	Multicultural Relations	
SOWK 4310	Diversity and Social Justice in Social Work	
SPAN 3305	Latin American Literatures I	
SPAN 3306	Latin American Literatures II	
SPAN 3371	Latin American Civilization	
SPAN 4330	The Latin American Novel	
SPAN 4370	Hispanic Literature of the Southwest	
Total Hours		18

Department of Anthropology

Evans Liberal Arts Building Room 266
Telephone: 512-245-8272 Fax: 512-245-8076
www.txstate.edu/anthropology (http://www.txstate.edu/anthropology)

Anthropology is the study of human cultural and biological variation and evolution. It is a holistic discipline taking into consideration all aspects of human existence. In a general sense, anthropology is concerned with determining what humans are, how they evolved, and how they differ from one another. Anthropology is divided into four major sub-fields: cultural anthropology, biological anthropology, and archaeology. The anthropology program at Texas State offers coursework and training in each of these areas.

Undergraduate Anthropology majors choose between two degrees: The Bachelor of Arts and the Bachelor of Science. The undergraduate curriculum for students seeking the BA and BS degrees in Anthropology is structured to ensure that all students receive the knowledge to achieve the educational outcomes prescribed by the faculty, as well as allow for flexibility in training so that the personal goals of each student is achieved. Students pursuing either degree have the opportunity to participate in department field schools and/or internship program.

Graduates can be found in a surprising array of fields and careers, such as corporations, all levels of government, educational institutions and non-profit associations. Post-graduate employment includes Education/Outreach, Archeology, Cultural Resource Management (CRM), Historic Preservation, Museum/Curation/Project Design, Community Development, Advocacy (human rights/social justice), Human/Social Services, Management Consulting/Organizational Development/Training, Computers/Software Development/Information Technology, Design (products and/or services), International Development/Affairs, Forensics, Mass Communication, Law/Criminal Justice/Law Enforcement, Administration/Management, Ethnography, Evaluation/Assessment, Health (international/public health), Environment and Natural Resources, Healthcare Management/Services/Deliver, Social Impact Assessment, Market Research, and Humanitarian Efforts.

Bachelor of Arts (B.A.)

- Major in Anthropology (p. 454)

Bachelor of Science (B.S.)

- Major in Anthropology (p. 455)

Minor

- Anthropology (p. 456)

Courses in Anthropology (ANTH)

ANTH 1312. Cultural Anthropology.
In this course students examine the nature of cultural variation of populations in the present and recent past. Its subjects include social, political, economic, and ideological aspects of human cultures. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080|Multicultural Content
Grade Mode: Standard Letter
TCCN: ANTH 2351

ANTH 2414. Biological Anthropology.
This lecture and accompanying laboratory course examine fundamental aspects of the biological nature of humans using evolutionary theory. Course content is divided into topics devoted to the process of evolution, genetics, the primate order, osteology, human evolution, and variability and adaptation.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: ANTH 2401

ANTH 2415. Introduction to Archaeology.
This course covers the basic principles of archaeology. It includes a study of the kinds of sites; classification of stone artifacts; methods of archaeological survey and excavation; methods of dating by geological, faunal, and radiometric means; and the theoretical approach to archaeology. This course includes a weekly laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

ANTH 3101. Writing Anthropology.
This course offers tutelage in professional scholarly writing, word processing software, library research, scientific and ethnographic writing styles, and effective use of anthropological literature. Because it provides core skills presupposed by advanced anthropology courses, students should enroll in it alongside their first writing-intensive anthropology electives.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3201. Professionalization in Anthropology.
This course surveys the breadth of careers open to people holding anthropology degrees. Issues discussed include professional ethics, specialized skill sets, the transferable skills of liberal arts degrees, broad trends in the labor market, and steps toward pursuing relevant careers.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3301. Principles of Cultural Anthropology.
This course is an ethnographically-based analysis of major theoretical positions and debates in contemporary anthropology. (WI) Prerequisites: ANTH 1312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3302. Introduction to Linguistic Anthropology.
This course provides an introduction to the study of linguistic anthropology. We will focus on the origin of language and its evolution and diversity, the interactions between language, culture and society, and modes of communication. This course will enhance a student's awareness of the complex interrelationships between language and other aspects of culture. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 3303. Applied Cultural Anthropology.
In this course students learn the methods applied cultural anthropologists use to address social problems such as poverty, sustainable development, conflict, climate change, community health, workplace and product design, education, and cultural heritage, as well as the value "thinking anthropologically" has for a wide range of careers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3304. Bioarchaeology.
Bioarchaeology is the study of human skeletal remains in relation to the archaeological record. In this course students will study theories and methods used in the analysis of human skeletal remains in bioarchaeology to reconstruct patterns of subsistence, diet, disease, demography, biological relatedness, and physical activity of past populations. Prerequisite: ANTH 3381 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 3305. Magic, Ritual and Religion.
An examination of magic and religion in cultures of the world with an emphasis on recent works dealing with mysticism and the occult. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 3306. World Prehistory.
This course presents a survey of the prehistoric human record throughout the world. It focuses upon the achievements of early and modern humans, world colonization events, and the development of complex societies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3307. History of Evolutionary Thought.
This course discusses the impact of evolutionary discourse within the context of its history. Students will develop a thorough understanding of evolution and its importance to anthropology, as well as to other scientific disciplines. (WI) Prerequisites: ANTH 2414 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3308. Cultural Resource Management and Archaeology.
This course surveys Cultural Resource Management (CRM) archaeology, the conservation and investigation of archaeological remains as mandated by federal and state laws. The course covers the history of CRM and its legal and regulatory framework, organization, methods, funding, employment prospects, and ethical and practical dilemmas. Prerequisite: ANTH 2415 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3309. Cultures Through Film.
Through films, lectures, and discussions, students explore the various ways that ethnographic film interprets the cultural environment and social interactions of small-scale cultures around the world. We will also discuss anthropological interpretations of how historically U.S. (American) culture has dealt with concepts of the "other" and supernatural phenomena through film. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 3311. Disease and Society.
In this course students examine infectious diseases and the effect they have on human societies. The course is organized into case studies of specific infectious diseases, which focus on the biology and epidemiology of a disease as well its social impact.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3313. Aztec: Native Americans and Empire.
This course presents an understanding of Aztec culture through archaeology, the interpretation of art, religion, and architecture, and the formation of a highly specialized and stratified society with an imperial administration. The course will emphasize an intellectual and religious outlook in intimate contact with the earth, sky, and the seasons.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3314. Latin American Cultures.
This course examines different aspects of Latin American indigenous cultures from a variety of theoretical perspectives in anthropology. Emphasis is on the Maya, and different theoretical perspectives provide different interpretations of data. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ANTH 3315. Archaeology of the Southwest.
An examination of the prehistory and early cultures of the Greater Southwest from the first arrival of humans as early as 20,000 years ago to the coming of the Spaniards in the 16th century. The course covers several mammoth kill sites at the end of the Pleistocene; the emergence of Archaic hunters and gatherers and the appearance of agriculture about two thousand years ago, leading to the three major cultures in the southwest-the Mogollon, the Hohokam and the Anasazi, the last in multistoried pueblos and cliff dwellings. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 3316. The Origin and Evolution of Human Behavior.
This course presents our current understanding of Old World Paleolithic Archaeology. The origin and evolution of hominid behavior, the initial colonization of the Old World, and the development of modern human behavior will be discussed for each continent. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ANTH 3317. Rock Art Field Methods.
This course will train students in rock art field methods. They will gain first-hand experience recording rock art sites through photography, field sketches, mapping, and written inventories. Students will generate a visual and written description of the art, which they will use to infer and explain past human behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3318. Texas Archaeology.
This course will present our current understanding of Texas archaeology. The environmental and social contexts of prehistoric, protohistoric, and historic records of Native American and Spanish occupations in Texas are discussed. (MULT) (WI). Prerequisites: ANTH 2415 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ANTH 3319. Human Growth and Development.
In this course students focus on the life history of humans from birth to death, and consider how humans grow and change both biologically and psychologically over the course of their lives. Topics include life stages, sex differences, nutrition, environment, growth disorders, and the evolution of human growth.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3322. Peoples and Cultures of Africa.
This course is a general introduction to the contemporary peoples and cultures of Africa. Students will examine the social structure, economy, political systems, and religions of African cultures in the context of the radical economic and social transformations affecting the area. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 3324. Mexican American Culture.
An examination of the history and culture of Mexican Americans with an emphasis on the analytical concepts of culture, race, class, and gender. Lectures, films, and selected readings (including chapters from anthropological and literary books and journals) will be used to portray the diversity of Mexican American experiences in this country. Topics include religion, politics, economy, identity politics, popular culture, sexuality, marriage and the family. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 3325. Medical Anthropology.
This course focuses on how illness identities are culturally constructed, how adaptations or maladaptations to local environments affect health, how political and economic forces influence health and health behaviors, and how the practice of medical anthropology can contribute to solving urgent health issues around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3327. Anthropology of Religion and Fundamentalism.
This course provides students with current and historical approaches to the anthropology of religion with a particular emphasis on fundamentalism. It focuses on the development of religious fundamentalism in different cultural contexts, geopolitical situations, and religious traditions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3328. Primate Cognition.
In this course students investigate historical and current views regarding the cognitive capacities of nonhuman primates, and the extent to which these abilities are shared with humans. Topics include social cognition, numerical cognition, problem solving, tool use, culture, communication, theory of mind, deception, selfrecognition, and imitation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3329. Comparative Juvenile Behavior.
This course will give students a thorough understanding of the comparative method through examples from the development of juvenile animals. It will introduce students to socioecology, neurobiology, and life history markers, with information that they can apply across disciplines. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3330. Curation of Archaeological Materials.
This course provides students with the skills to prepare archaeological materials for curation, which includes the processes and techniques used to stabilize and preserve organic and inorganic materials. This training can be used to gain certification in the field of archaeological curation. Prerequisite: ANTH 2415 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 3331B. Anthropology in Practice.
This course introduces students to the application of anthropological ideas, methods, and skills in multiple employment sectors. Students will develop key job skills in communication, team work, networking, professional development, and project management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 3331D. Dental Anthropology and Oral Biology.
The biological development of the cranio-facial structures will be presented with emphasis on hard tissue anatomy and diseases. Dental traits will be discussed in relation to human evolutionary concepts. Forensic methods that support identification of human remains are emphasized. This course is appropriate for anthropology students and pre-professional dentistry. Prerequisite: ANTH 2414 or ANTH 3381 or [BIO 1130 and BIO 1330] any with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 3331E. Anthropology and the Law.
This course explores the role of law as an instrument of social change, justice, and human rights. Topics include law as a social system, understanding legal reasoning, identifying key actors, how law influences change, how law is depicted in popular culture, and how law influences anthropological research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 3331F. Nonverbal Communication-Gestures.
Communication involves the use of 'invisible' words and gestures, or 'visible actions.' This course focuses on gestures, what they are, how they are used, what role they play in communication and in thinking, and their cultural underpinning. Students will learn the theoretical and methodological issues involved in studying different gestures across societies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 3332. Myths and Moundbuilders.
This course presents an anthropological approach to Native Americans of the Southeastern United States, their culture and beliefs. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ANTH 3335. The Anthropology of Native American Belief Systems.
In this course students use anthropological approaches to investigate past and present Native American belief systems in order to determine the temporal range and evolving complexity of Native American religious and ritual expression.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3336. Community Research Project.
This course gives students the opportunity to conduct hands-on anthropological research on a variety of topics in local or other communities. Students will undertake individualized research projects designed in conjunction with the professor. Students must consult with the professor prior to enrollment to design the research project and receive approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3337. Language and Linguistics.
This course is concerned with the theoretical and methodological study of language, what constitutes the knowledge of a language, how this knowledge is acquired, and how it is used. Other areas of interest include the properties of human language, its representation in the mind, learnability, origin, and change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3338. Geoarchaeology.
This course will teach students how to interpret sediments and the nature of sediment accumulation at archeological sites. Course topics include sedimentology, natural depositional environments, weathering processes and soil development, stratigraphic analysis, and archaeological site formation processes. (WI) Prerequisites: ANTH 2415 or GEOL 1410 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3339. Contemporary Film and Global Culture.
This course examines the relationship of recent film to both national culture and our increasingly globalized world culture. It focuses on the relationship between the creators of film, their intended audiences and the cultural context of both of these. It explores the way that film relates to current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3340. Human and Primate Origins.
An examination of the long and diverse record of human and nonhuman biological adaptations as viewed from the fossil record. It examines the functional and ecological challenges that may have been responsible for the path of human development.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3342. Primate Behavior.
In this course, students will learn about the behavior, ecology and conservation of nonhuman primates (lemurs, lorises, monkeys, and apes).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3343. Human Variation and Adaptation.
This course examines the physical variation observable within and between human populations. It emphasizes a functional approach whereby variation is examined in relation to biological adaptation. It explores the biological mechanisms responsible for change and evaluates the potential of biological components in human behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3345. Archaeology of Mexico.
This course examines the development of culture from early hunters and gatherers through the appearance of agriculture to the rise of civilization. The focus of the course is on the emergence of complex society among groups such as the Olmec, Aztec, and Maya. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ANTH 3347. Archaeology of North America.
This course describes human settlement of North America from the end of the Pleistocene to European discovery. It considers early occupation of arctic, plains, and forested regions and development during archaic times of Adena, Hopewell, and Mississippian societies in the Southeast and Mogollon, Hohokam, and Anasazi in the Southwest. Prerequisite: ANTH 2415 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3348. Rainforest Ecology.
In this course, students will learn about the ecology and conservation of rainforest flora and fauna, with particular emphasis on primates.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3349. The Incas.
The Incas were the largest Pre-Columbian empire in the Americas and this course will explore the origins of this civilization and how they conquered such a large area of South America. Using archaeological and historic information the class will examine various aspects of Inca society including religion, economics, and kingship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3350. Gender and Sexuality in Cross-cultural Perspective.
This course examines historical and contemporary issues related to gender and sexuality from a global, cross-cultural perspective. It will focus on cultural constructions of gender and sexuality, including gender stratifications, biology and evolution, families and kinship, work, sex work, diverse sexualities, media representations, and domestic and sexual violence. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 3351. Anthropology of Peace and Violence.
This class explores anthropological perspectives on peace and violence. It focuses on understanding violent practices within both traditional and current day societies including everyday violence and warfare. It explores the contributions of social structure, gender, religion, race, and ethnicity to violence. It examines efforts to build peace and reconciliation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 3352. Language and the Body.
This class focuses on how language shapes our identities and deeply held beliefs about our bodies. Students will have an opportunity to engage in discourse analysis of media representations as well as collect and analyze their own conversational data using the methods of linguistic and cultural anthropology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3353. Human Structure and Function.
Students study the structure and basic function of the human body with emphasis on the skeletal, muscular, and nervous systems. This course provides a basis for other courses in biological anthropology.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 3356. Archaeology of Andean Civilizations.
This course examines the cultures of the Andes Region of South America with an emphasis on pre-Columbian and contemporary peoples of the area.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3358. Human Evolutionary Anatomy.
This course is designed to give students an anatomical background to the study of human evolution with a focus on the comparative anatomy of apes, living humans, and fossil hominins.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 3360. Economic Anthropology.
Reviews central issues in economic anthropology, using both case studies and theoretical writings. Analyzes production, exchange, distribution, consumption,property, economic surplus, inheritance, and types of economic structure. Materials will cover huntergatherer societies, simple agricultural societies, pre-capitalist complex state societies, and issues of development in nonindustrialized countries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3361. Archaeological Field Methodology.
In this course students will learn about planning, organizing, and carrying out archaeological field investigations from survey to excavation to specialized data recovery. The focus is on the research strategies, techniques and logistics necessary to design and accomplish successful field research. (WI) Prerequisite: ANTH 2415 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3363. The Art and Archaeology of the Olmec.
This course will present our current understanding of the art and archaeology of the Olmec culture, the earliest known civilization in North America. The Olmec culture is considered the influential foundation for later Mesoamerican civilizations such as the Maya and the Aztec.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3364. Biological Basis of Human Behavior.
Students in this course evaluate studies on the biological basis of human behavior and explore the question of whether behavioral patterns are genetically fixed. It includes popular and scientific approaches to themes such as the evolution of human behavior, biology and behavior, race and racism, biological determinism, and human universals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3375C. Historical Archaeology.
This course is a survey of historical archaeology methods and theories that will intensively examine current trends in historical archaeology. Students will also be exposed to the material culture from historic period archaeological sites in Texas and North America.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 3377. Anthropology of Youth.
This class will provide an overview of issues in adolescent and emerging adult health and development in national and international contexts. Drawing from several disciplines including anthropology, education, public health, psychology, and sociology, we will critically examine existing research on youth and discuss underlying assumptions, research methodologies, and findings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3380. Forensic Anthropology.
Forensic Anthropology is the recovery and analysis of human skeletal remains for modern legal inquiry. This course is an overview of the field of Forensic Anthropology illustrated with real forensic cases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3381. Human Osteology.
The foundation of biological anthropology is the study of the human skeleton. This is a lab-intensive course in which students will learn how to identify skeletal elements, both whole and fragmentary.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3382. Archaeology of the Earliest Americans.
Precisely when the first people arrived in the Americas, where they came from, and how they got here are the subjects of longstanding debate. In this class we will draw upon archaeological, biological, linguistic, and environmental evidence to reconstruct the earliest human prehistory of the New World.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 4303. Human Speech Sounds.
This course is an introductory overview of human speech production and perception from an anthropological perspective. It describes speech anatomy and pays particular attention to the description of the acoustic and articulatory properties of speech as it occurs in real time. Students will study articulatory, acoustic, and auditory phonetics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 4304. Language, Culture and Society.
This course seeks to introduce students to the fundamentals of linguistic anthropology, and the use of linguistics in anthropological fieldwork through lecture, discussion, and "hands on" class exercises.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 4309. Culture, Medicine and the Body.
This course explores how the human body, functions of the body, and the practices of medicine and healing are situated and contextualized within cultural frameworks. Case studies cover body and health-related topics over the life course, from birth to death. (WI) Prerequisite: ANTH 3325 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 4310. Theories and Issues in Anthropology.
This course explores major theoretical and historical developments in anthropology, highlighting the discipline's unique four-field perspective that includes archaeology, biological and cultural anthropology, and anthropological linguistics. Topics stress the importance of anthropological thought in key scientific discoveries and cultural debates. Prerequisites: ANTH 1312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 4315. Archaeological Artifact Identification and Analysis.
This course will train students to describe and analyze artifacts commonly recovered from archaeological sites. Current theories covering the production and analysis of chipped and ground stone tools, ceramics, bone and other materials will be presented, and scientific analytical methods discussed. Prerequisites: ANTH 2415 with a grade of "D" or better and one additional archaeology course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 4320. Rise of Civilization.
This course consists of a definition of civilization and its components, its geographic setting, and the roles of religion, art, and the institution of the "Divine King" in the development of dynamic state societies in Egypt, Sumeria, the Indus Valley, and China in the Old World and that of the Olmec in Mexico and Chavin in Peru. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ANTH 4326. Field Methods in Forensic Anthropology.
In this course students will learn how to locate, excavate and recover human remains, associated personal effects, and other materials in order to ensure legal credibility for all recoveries. Prerequisite: ANTH 4382 with a grade of "D" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 4337. Theory in Linguistic Anthropology.
In this course students will be introduced to the major theories of linguistics through reading and discussing classic and contemporary literatures. Particular attention will be given to how the various theories have influenced linguistic anthropology. (WI) Prerequisites: ANTH 1312 or ANTH 3302 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 4339. Theoretical Concepts in Archaeology.
This course provides a broad survey of theory in archaeology as it is practiced throughout the world. It includes both historical perspectives and contemporary usage. (WI) Prerequisites: ANTH 2415 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 4360. Directed Study.
A one-semester course of independent reading, tutorial sessions, and individual research projects. Open to superior students by invitation of the professor and with the consent of the chair of the department. May be repeated for credit with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ANTH 4361. Field Methods in Cultural Anthropology.
This course teaches students how to conduct field research in cultural anthropology. Topics include research ethics, problem formulation, participant observation, interviewing, and other techniques for data collection and analysis. Students will conduct their own field research project under the instructor's supervision. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 4363. Methods in Primate Research.
In this course, students will learn about the methods used to study primates in captive and field settings.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 4381. Paleopathology.
This course focuses on the study of diseases and maladies of ancient populations, and will survey the range of pathology on human skeletons from trauma, infection, syphilis, tuberculosis, leprosy, anemia, metabolic disturbances, arthritis, and tumors. (WI) Prerequisite: ANTH 3381 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 4382. Methods in Skeletal Biology.
This course is for students who wish to advance their osteological skills. Students will learn how to identify isolated and fragmentary skeletal remains to estimate age, sex, ancestry, stature, and health of an individual in past and present contexts. Prerequisite: ANTH 3381 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 4390. Internship in Anthropology.
This course provides students with professional development through work or research-related experience. After consulting the internship coordinator, students choose placements matching their interests and develop individualized internship contracts. Interns meet to discuss career preparation and anthropological topics related to each intern's activities, keep a journal, and submit a final report. Prerequisites: Minimum 2.5 Major GPA and instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ANTH 4600. Bioarchaeology Field and Laboratory Methods.
In this course students will be trained in the documentation, contextual assessment, and recordation of human skeletal remains in bioarchaeological settings. Students will engage in research projects, gaining practical laboratory and field experience. Prerequisite: ANTH 3381 with a grade of "D" or better or instructor approval.
6 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 4630. Archaeological Field School.
This course is designed to train students in the skills and techniques of modern archaeological survey and excavation of prehistoric sites. May be repeated for credit, but only six hours may be applied toward the major.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in Anthropology

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses. Life and Physical Sciences component courses may not include ANTH 2414.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses (not to include ANTH 2414), six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required for graduation, which can be completed by courses in the major, minor, or general education core curriculum (not including ENG 1310, ENG 1320).
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. This major requires 32 semester credit hours of Anthropology courses which 18 hours must be advanced courses. Majors may not receive more than six hours of credit in ANTH 4630 to satisfy Anthropology major requirements. Majors must complete one of the following theory-based Anthropology courses:

Code	Title	Hours
ANTH 3301	Principles of Cultural Anthropology	3
ANTH 3307	History of Evolutionary Thought	3
ANTH 4310	Theories and Issues in Anthropology	3
ANTH 4337	Theory in Linguistic Anthropology	3
ANTH 4339	Theoretical Concepts in Archaeology	3

7. Majors are required to achieve the following minimum grade point averages for graduation: Texas State GPA 2.00, major GPA 2.50, and minor GPA 2.00.
8. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ANTH 1312	3	HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	Modern Language 1420[2]	4
Modern Language 1410[2]	4	Life & Physical Sciences Component Code 030 (not to include ANTH 2414)	3
US 1100	1		
	14		13

Sophomore

First Semester	Hours	Second Semester	Hours
ANTH 2414[1]	4	ANTH 2415[1]	4
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
Life & Physical Sciences Component Code 030 (not to include ANTH 2414)	3	Mathematics Component Code 020	3
Modern Language 2310[2]	3	Modern Language 2320[2]	3
COMM 1310 (Component Area Option Code 090/091)	3	ANTH 3201	2
		ANTH 3101	1
	16		16

Junior

First Semester	Hours	Second Semester	Hours
ANTH Advanced Elective	3	ANTH Advanced Elective	3
ENG Literature (Component Area Option Code 090/094)	3	BA Computer Science, Logic, Mathematics or science (not to include ANTH 2414)	3

PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Minor	6	ECO 2301, 2314, GEO 1310, PFW 1301, PSY 1300, or SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3
		Minor	3
	15		15

Senior

First Semester	Hours	Second Semester	Hours
ANTH Advanced Elective	3	ANTH Advanced Electives	6
Select one of the following:	3	Minor	6
ANTH 3301		Free Electives (as needed)	7
ANTH 3307			
ANTH 4310			
ANTH 4337			
ANTH 4339			
BA ENG Literature	3		
Minor	3		
	12		19

Total Hours: 120

[1] Students who complete a four-hour biological anthropology and/or archeology course at another institution may have the course(s) evaluated by the Chair of the Department to determine if credit for ANTH 2414 and/or ANTH 2415 can be assigned.

[2] Students must complete 6 hours of the same foreign language (2310 and 2320). Most students complete 1410 and 1420 as prerequisites before attempting 2310.

Bachelor of Science (B.S.) Major in Anthropology

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Twelve hours of writing intensive (WI) courses are required for graduation, which can be completed by courses in the major, minor, or general education core curriculum (not including ENG 1310, ENG 1320).
3. Majors must select a minor from the following list of lab-based science minors: biology, chemistry, physics, geology, geography, computer science, or mathematics.
4. All students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. This major consists of 35 semester credit hours of Anthropology courses, 18 of which must be advanced. Majors may not receive more than six hours of credit for ANTH 4630 to satisfy Anthropology major requirements. Majors must complete one of the following Anthropology theory-based courses:

Code	Title	Hours
ANTH 3301	Principles of Cultural Anthropology	3
ANTH 3307	History of Evolutionary Thought	3
ANTH 4310	Theories and Issues in Anthropology	3
ANTH 4337	Theory in Linguistic Anthropology	3
ANTH 4339	Theoretical Concepts in Archaeology	3

6. Majors must complete 6 hours of Anthropology techniques courses to be selected from:

Code	Title	Hours
ANTH 3317	Rock Art Field Methods	3
ANTH 3330	Curation of Archaeological Materials	3
ANTH 3361	Archaeological Field Methodology	3
ANTH 4326	Field Methods in Forensic Anthropology	3
ANTH 4361	Field Methods in Cultural Anthropology	3
ANTH 4363	Field Methods in Primate Behavior	3
ANTH 4382	Methods in Skeletal Biology	3
ANTH 4390	Internship in Anthropology	3
ANTH 4630	Archaeological Field School	6

7. Majors must complete one of the following statistics courses: CJ 3347, GEO 3301, PSY 2301, or SOCI 3307.
8. Majors are required to achieve the following minimum grade point averages for graduation: Texas State GPA 2.00, major GPA 2.50, and minor GPA 2.00.
9. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ANTH 1312	3	HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	BIO 1320 or 1330 (Life & Physical Sciences Component Code 030)	3
US 1100	1	Modern Language 1420[2]	4
Modern Language 1410[2]	4		
	14		13

Sophomore

First Semester	Hours	Second Semester	Hours
ANTH 2414[1]	4	ANTH 2415[1]	4
ENG Literature (Component Area Option Code 090/094)	3	ANTH 3101	1
Mathematics Component Code 020 selected from one of the following:	3-4	ANTH 3201	2

MATH 1315		COMM 1310 (Component Area Option Code 090/091)	3
MATH 1317		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MATH 1329		POSI 2320 (Government/ Political Science Component Code 070)	3
MATH 2321			
MATH 2417			
MATH 2471			
HIST 1320 (American History Component Code 060)	3		
BIO 1321 or 1331 (Life & Physical Sciences Component Code 030)	3		
	16		16

Junior

First Semester	Hours	Second Semester	Hours
ANTH Advanced Elective	3	ANTH Advanced Elective	3
CJ 3347, GEO 3301, PSY 2301, or SOCI 3307	3	Select one of the following:	3
Minor	3	ANTH 3317	
PHIL 4355 or ENG 3303	3	ANTH 3330	
ECO 2301, 2314, GEO 1310, PFW 1301, PSY 1300, or SOCI 1310 (Social & Behavioral Sciences Component Code 080)	3	ANTH 3361	
		ANTH 4326	
		ANTH 4363	
		ANTH 4361	
		ANTH 4382	
		ANTH 4390	
		ANTH 4630[2]	
		ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
		Minor	6
	15		15

Senior

First Semester	Hours	Second Semester	Hours
ANTH Advanced Elective	3	ANTH Advanced Elective	3
Select one of the folllowing:	3	Minor	3
ANTH 3301		Free Electives (as needed)	10
ANTH 3307			
ANTH 4310			
ANTH 4337			
ANTH 4339			
Select one of the following:	3		
ANTH 3317			
ANTH 3330			
ANTH 3361			
ANTH 4326			
ANTH 4363			
ANTH 4361			
ANTH 4382			
ANTH 4390			
ANTH 4630[2]			
Minor	6		
	15		16

Total Hours: 120

1 Students who complete four-hour introductory biological anthropology and/or archeology course at another institution may have course(s) evaluated by the Chair of the Department to determine if credit for ANTH 2414 and/or ANTH 2415 can be assigned.

2 Students must complete 8 hours of the same foreign language (1410 and 1420) at the college level.

Minor in Anthropology

The minor in Anthropology requires 20 semester credit hours.

Code	Title	Hours
Required Courses		
ANTH 1312	Cultural Anthropology	3
ANTH 2414	Biological Anthropology	4
ANTH 2415	Introduction to Archaeology	4
Electives		
Choose 9 hours of advanced ANTH electives		9
Total Hours		20

Department of English

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Faculty in the Department of English teach, conduct research in, and advance the discipline of English Studies, including rhetoric and composition, creative writing, technical communication, film and media studies, literature and language. They prepare undergraduate students to pursue further education and/or careers; to think, write, and speak clearly; to produce authoritative scholarship and inspiring creative work; to read with pleasure, skill, and understanding; and to appreciate the power and subtlety of discourse in various media.

While gaining a broad liberal education, English majors also learn practical skills that provide a base for almost any career. Graduates traditionally enter the fields of education, journalism, publishing, or communications. They also work for computer, engineering, and public relations firms or pursue careers in politics and government. An English background provides excellent training for law school and other graduate programs.

Bachelor of Arts (B.A.)

- Major in English (p. 462)
- Major in English (Creative Writing Emphasis) (p. 464)
- Major in English (Film Emphasis) (p. 466)

- Major in English (Single Field Teacher Certification in English Language Arts and Reading, Grades 7-12) (p. 468)
- Major in English (Two Fields Teacher Certification in English Language Arts and Reading, Grades 7-12) (p. 470)
- Major in English (Writing and Rhetoric Emphasis) (p. 472)

Minor

- English (p. 474)
- Media Studies (p. 474)
- Medieval and Renaissance Studies (p. 475)
- Southwestern Studies (p. 475)
- Writing (p. 475)
- Second Teaching Field in English (Grades 7-12) (p. 476)

English (ENG)

Requirements in first-year English must be completed before a student takes any other English course.

ENG 1300. Developmental Writing.
Basic composition skills. For students who have not satisfied TSIP requirements or for those who need developmental work before taking English 1310. Credit earned for this course does not count toward any degree offered by the university.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Developmental/Remedial
Grade Mode: Developmental

ENG 1310. College Writing I.
Expository writing as a means of exploring and shaping ideas. Emphasis on critical reading and the improvement of essays through revision.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Communication Core 010
Grade Mode: Standard Letter
TCCN: ENGL 1301

ENG 1320. College Writing II.
Continuation of English 1310. Expository writing as a means of analyzing and understanding texts. Research paper required. Requirements in sophomore English must be completed before a student takes any advanced work in English.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Communication Core 010
Grade Mode: Standard Letter
TCCN: ENGL 1302

ENG 2310. British Literature before 1785.
Representative authors and works of British literature from the beginnings through the Neoclassical Period.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Writing Intensive
Grade Mode: Standard Letter
TCCN: ENGL 2322

ENG 2320. British Literature since 1785.
Representative authors and works of British literature from the Romantic Period to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Writing Intensive
Grade Mode: Standard Letter
TCCN: ENGL 2323

ENG 2330. World Literature before 1600.
Representative authors and works of literature from the ancient world to the early modern world. Readings may come exclusively from the Western tradition or from various literary traditions, such as those of Africa and Asia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Writing Intensive
Grade Mode: Standard Letter
TCCN: ENGL 2332

ENG 2340. World Literature since 1600.
Representative authors and works of literature from the modern world. Readings may come exclusively from the Western tradition or from various literary traditions, such as those of Africa and Asia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Writing Intensive
Grade Mode: Standard Letter
TCCN: ENGL 2333

ENG 2359. US Literature before 1865.
Course surveys representative authors and works of US literature from the beginnings to the Civil War.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Writing Intensive
Grade Mode: Standard Letter
TCCN: ENGL 2327

ENG 2360. US Literature since 1865.
Course surveys representative authors and works of US literature from the Civil War to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Writing Intensive
Grade Mode: Standard Letter
TCCN: ENGL 2328

ENG 3301. Critical Theory and Practice for English Majors.
Course introduces the critical theories underpinning rhetorical and literary analysis within various branches of English Studies and develops the skills of reading, writing, and research. Required for majors and open to minors; must be taken in the first semester of upper division classes. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3302. Film and Video Theory and Production.
The study of film and narrative theory combined with the practice of videography and video editing. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3303. Technical Writing.
This course concerns writing in technical professions. It emphasizes planning, writing, revising, editing, and proofreading proposals, reports, instructions, and other forms of professional communication for a variety of audiences. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3304. Professional Writing.
The principles of expository writing adapted for the workplace. Prepares students in non-technical fields to write documents commonly used in professional settings. Students compile a writing portfolio suitable for a job search or for application to professional school. Computer technology included. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3306. Writing for Film.
This course is an introduction to screenwriting that combines the study of published film texts with workshop practice in writing for film. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3307. Introduction to the Study of Film.
An introduction to various theoretical approaches to the study of film and to important debates within film theory. Focus will include, but is not limited to, (1) theories of spectatorship, (2) the debate between formalism and realism, (3) psychoanalytic and feminist theories, and (4) cultural approaches to film. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3308. Advanced Topics in Film.
Course offers a focused examination of film as text, with an emphasis on critical, theoretical, cultural, historical, and stylistic aspects. Topics may include history of classical Hollywood cinema; silent film; world, European, or national cinemas; or the documentary. Repeatable once when topic varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 3309. The Southwest in Film.
A survey of films of the Southwest, emphasizing the history and cultural diversity of the region as represented on screen. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3311. Practices in Writing and Rhetoric.
Study and practice of advanced expository writing, with focus on achieving clarity and readability. Recent emphases have included The Essay, Nature Writing, Argument, Writing for the Government, Online Communication. May be repeated once for credit when emphasis varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 3312. Internship in English Studies.
Course offers a supervised work experience related to students' career interests. Prerequisites: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 3313. Scientific Writing.
The course teaches composition techniques that include planning, organization, revision, usage, and audience identification necessary for writing in science and/or social science fields. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3315. Introduction to Creative Writing.
A critical seminar for writers of fiction, poetry, and articles. Creativity, criticism, and revision are emphasized. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3316. Film Studies.
Comparative study of films and/or novels adapted to films. Repeatable once when topic varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 3318. Approaches to Writing and Rhetoric.
This course focuses on approaches central to the study and practice of writing and rhetoric. Emphases vary but might include Composition Theory, Theories of Technical Communication, Chicano/a Rhetorics, Literacy Studies. Repeatable with different emphases for up to 9 hours of English credit. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 3319. The Development of English.
Origin and growth of the English language with particular attention to phonological, morphological, and grammatical changes; history of dialects, spelling, and dictionaries; sources of vocabulary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 3320. Theory and Criticism.
A study of theoretical and critical approaches, from Aristotle to the present, applied to literary and visual texts. Repeatable once when topic varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3321. The Short Story.
The short story throughout the world since Poe and Gogol. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3322. The European Novel.
Major continental novelists from Cervantes to the present, read in translation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3323. Modern Poetry.
Modern poetry in English and English translation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3325. Russian Literature in Translation.
An examination of major 19th and 20th century works of Russian literature, in translation, from three points of view: their literary value (use of language, style, characterization, theme, structure, techniques); their relation to and influence on European literature; and their illumination of Russian culture and history. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3326. American Drama on Film.
Masterpieces of American drama and the films which have been made from them.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 3327. Types of World Drama in English.
Examples of world drama and film adaptations from Aeschylus to Ibsen. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3328. Types of World Drama in English (Modern).
Significant examples of world drama in English from Ibsen to O'Neill, Williams, and Miller. (MC) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3329. Mythology.
Study of myths in ancient cultures, mythic patterns in modern literature, and Hollywood as mythmaker. Repeatable once, in special situations, when topic varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 3331. Literature of Black America.
African-American poetry, drama, and fiction. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3333. Early US Literature.
Course surveys US literature from its colonial beginnings to 1865. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3335. US Literature 1865-1930: The Rise of Realism, Naturalism, and Modernism.
Course surveys US literature from the Civil War to 1930. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3336. US Literature, 1930 to the Present: From Modernism to Contemporary Forms.
Course surveys US literature from 1930 to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3338. The American Novel.
A study of the novels and pertinent criticism from the beginnings in America. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3340. Special Topics in Language and Literature.
Courses proposed and taught occasionally by different English faculty members. Past emphases have included Nature Writing and Literature and Art. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header|Writing Intensive
Grade Mode: Standard Letter

ENG 3341. Studies in World Literature.
Selections from ancient and modern literature in western and/or non-western cultures. Repeatable once, in special situations, when topic varies. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3342. Editing.
A study of editing, to include instruction in making editorial changes, preparing MSS for typesetter, marking galley and page proof; fundamentals of layout and design (typeface, paper, headlines, etc.); problems and possibilities in desktop publishing; and the current status of electronic publications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 3343. The Interdisciplinary Approach to Literature.
The study of a single author, e.g. Saul Bellow, Charles Dickens, Flannery O'Connor, or Virginia Woolf, from an interdisciplinary perspective. Repeatable once, in special situations, when topic varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 3344. Chicano/a Narrative and Social History.
A survey of narrative written by U.S. citizens of Mexican descent. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3345. Southwestern Studies I: Defining the Region.
The first of two courses in a broad interdisciplinary survey of geophysical, cultural, social, literary, and political history of the Southwest that emphasizes regional and ethnic expressions of culture in architecture, art, economics, law, literature, philosophy and politics. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3346. Southwestern Studies II: Consequences of Region.
The second of a two-course sequence in a broad interdisciplinary survey of geophysical, cultural, social, literary, and political history of the Southwest, emphasizing regional and ethnic expressions of culture in architecture, art, economics, law, literature, philosophy, politics, popular culture, religion, social science, and technology. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3347. American Poetry.
Study of American poetry from its beginnings to present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3348. Creative Writing: Fiction.
A seminar for writers of fiction, with emphasis on creativity, criticism, and revision. (WI) Prerequisite: ENG 3315 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3349. Creative Writing: Poetry.
A seminar for writers of poetry, with emphasis on creativity, criticism, and revision. (WI) Prerequisites: ENG 3315 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3350. Medieval European Literature.
Studies of Medieval contexts, genres, and writings across Europe. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3351. Anglo-Saxon Language, Literature, and Culture.
An introduction to Old English life and writings from early culture through Beowulf (texts in modern translation). (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3352. Medieval English Literature.
Studies of important non-Chaucerian writings in the Middle Ages, some in modern translations. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3353. British Poetry and Prose of the Sixteenth Century.
Major poets and prose writers from More to Spenser. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3354. Shakespeare.
Selected plays from the earliest through Hamlet. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3356. British Poetry and Prose of the Seventeenth Century.
Prose and poetry from Donne and Bacon to Milton and Dryden. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3357. British Literature of the Restoration and Augustan Periods, 1660-1750.
Course explores development of classicism through Pope and Swift. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3359. British Literature, 1750-1800.
Course explores the decline of classicism and the Romantic beginning. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3362. The British Romantics.
Course explores British poetry and prose of the Romantic Age. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3365. The British Victorian Period.
British poetry and prose of the Victorian period, 1837-1900. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3368. The British Novel.
Course explores British prose fiction. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3370. Twentieth-Century British Literature.
Selected poetry, fiction, and drama since 1900. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3385. Children's Literature.
A survey of traditional and contemporary literature for children with attention to literary history, aesthetic qualities, and critical approaches. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3386. Adolescent Literature.
A survey designed to provide a critical philosophy and working repertoire of literature for adolescents. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3388. Women and Literature.
A survey of women's writing in English, in various genres, over a period of some 600 years (14th century to the present). (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3389. The Discipline of English.
The nature of English studies as a formal field, its components and their relationships. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3390. Problems in Language and Literature.
Independent study with individualized reading list, research project, and tutorial sessions, focused on a special problem in language and/or literature. (WI) Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 3392. Women Writers of the Middle Ages.
Religious and secular writings by women from the early Church through the 15th century. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3393. Introduction to Canadian Literature.
An introduction to Canadian literature with discussion of aesthetic, cultural, and political issues surrounding it. Texts will be Anglophone and Francophone in translation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 4310. Modern English Syntax.
A study of English syntax as described by traditional, structural, and transformational grammarians, with major emphasis on transformationalgenerative syntax.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 4323. Studies in Autobiography and Biography.
Selected works in autobiography and biography. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 4325. Literature of the Southwest.
The literature of Texas and the surrounding territory; various types of non-fiction prose, fiction, and poetry. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 4334. US Romanticism.
Course explores the US Romantic movement of the 19th century, with consideration of important authors, intellectual backgrounds, and literary relationships. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 4348. Senior Seminar in Fiction Writing.
Workshop in writing fiction and evaluating manuscripts. Students produce portfolio of creative work. (WI) Prerequisite: ENG 3348 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 4349. Senior Seminar in Poetry Writing.
Workshop in writing poetry and evaluating manuscripts. Students produce portfolio of creative work. (WI) Prerequisite: ENG 3349 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 4350. Senior Seminar in Film.
Course integrates perspectives from English film and media studies, including film criticism, history, theory, screenwriting, and practical video skills. Each student will choose a focus, and all students will critique scholarly research, screenplays, and video projects that demonstrate concepts learned. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 4351. Chaucer and His Time.
The works of Chaucer and their significance in an important literary and social era. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 4355. The Later Shakespeare.
The problem comedies, through the tragedies, to the plays of the final years; emphasis on reading in depth the plays, significant critical materials, and selected plays by Shakespeare's contemporaries. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 4358. Milton.
Milton's longer poems and most important prose writing. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 4385. Advanced Studies in Children's or Adolescent Literature.
This course studies children's or adolescent literature. Possible topics include a historical period, a geographical area, a genre, a single author, or a theoretical approach, with attention to developing critical and research skills. Repeatable with different emphases for up to six hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in English

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. This major requires 36 semester credit hours of English courses. ENG 1310 and ENG 1320 are prerequisites to all other English courses.
7. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
8. For transfer students, 12 semester credit hours in English (or equivalents) may be transferred from a Texas public institution of higher education for the English Language and Literature Field of Study and be applied to the Bachelor of Arts degree with a major in English at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
ENG 1310	College Writing I	3
TCCN: ENGL 1301		
ENG 1320	College Writing II	3
TCCN: ENGL 1302		
Choose 6 semester credit hours from the following: ENG 2310, ENG 2320, ENG 2330, ENG 2340, ENG 2359 and ENG 2360		6
TCCN: 6 semester credit hours from the following: ENGL 2321, ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2327, ENGL 2328, ENGL 2331, ENGL 2332, ENGL 2333, ENGL 2341 and ENGL 2351		
Total Hours		12

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
US 1100	1	Modern Language 1420	4
Modern Language 1410	4	Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3	POSI 2310 (Government/ Political Science Component Code 070)	3
	14		16

Sophomore			
First Semester	Hours	Second Semester	Hours
ENG Literature (Component Area Option Code 090/094)[1]	3	POSI 2320 (Government/ Political Science Component Code 070)	3
HIST 1320 (American History Component Code 060)	3	BA ENG Literature[1]	3
Modern Language 2310	3	BA Computer Science, Logic, Mathematics or science	3
Mathematics Component Code 020	3	Social & Behavioral Sciences Component Code 080	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	Modern Language 2320	3
		Minor	3
	15		18

Junior			
First Semester	Hours	Second Semester	Hours
ENG 3301[3]	3	ENG Advanced Electives	6
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	Free Electives (as needed)	6
Minor	6	Minor	3
	12		15

Senior			
First Semester	Hours	Second Semester	Hours
ENG Advanced Electives	6	ENG Advanced Electives	9
Free Electives (as needed)	6	Minor	6
Minor	3		
	15		15

Total Hours: 120

1 Students who earn a grade of "B" or higher in the first sophomore course may elect to take an advanced literature course in lieu of the second sophomore course. No more than six hours of sophomore literature may count toward the major.

2 Meets the requirement that students must take at least 6 hours of Literature before 1800.

3 ENG 3301 is required, and students should take it immediately after completing the sophomore literature requirement.

Advanced English Courses

In addition to ENG 3301, students must complete seven advanced courses. Students must take at least one advanced course from each of the four groups listed below. They also select nine hours of electives from one or more groups. In selecting from groups or in choosing electives, students are encouraged to take at least two courses that center on genre, theme, or theory. One of the advanced courses must focus on the works of a single author and is recommended to be taken at the end of the major.

Code	Title	Hours
ENG 3343	The Interdisciplinary Approach to Literature	3
ENG 3354	Shakespeare [1]	3
ENG 4351	Chaucer and His Time [1]	3
ENG 4355	The Later Shakespeare [1]	3
ENG 4358	Milton [1]	3

Code	Title	Hours
GROUP A - BRITISH LITERATURE		
ENG 3351	Anglo-Saxon Language, Literature, and Culture [1]	3
ENG 3352	Medieval English Literature [1]	3
ENG 3353	British Poetry and Prose of the Sixteenth Century [1]	3
ENG 3354	Shakespeare [1]	3
ENG 3356	British Poetry and Prose of the Seventeenth Century [1]	3
ENG 3357	British Literature of the Restoration and Augustan Periods, 1660-1750 [1]	3
ENG 3359	British Literature, 1750-1800 [1]	3
ENG 3362	The British Romantics	3
ENG 3365	Victorian Literature	3
ENG 3368	The British Novel	3
ENG 3370	Twentieth-Century British Literature	3
ENG 4351	Chaucer and His Time [1]	3
ENG 4355	The Later Shakespeare [1]	3
ENG 4358	Milton [1]	3

Code	Title	Hours
GROUP B - AMERICAN LITERATURE		
ENG 3309	The Southwest in Film	3
ENG 3326	American Drama on Film	3
ENG 3331	Literature of Black America	3
ENG 3333	Early US Literature [1]	3
ENG 3335	US Literature 1865-1930: The Rise of Realism, Naturalism, and Modernism	3
ENG 3336	US Literature, 1930 to the Present: From Modernism to Comtemporary Forms	3
ENG 3338	The American Novel	3
ENG 3344	Chicano/a Narrative and Social History	3
ENG 3345	Southwestern Studies I: Defining the Region	3
ENG 3346	Southwestern Studies II: Consequences of Region	3
ENG 3347	American Poetry	3
ENG 4325	Literature of the Southwest	3
ENG 4334	US Romanticism	3

Code	Title	Hours
GROUP C - WORLD LITERATURE		
ENG 3321	The Short Story	3
ENG 3322	The European Novel	3
ENG 3323	Modern Poetry	3
ENG 3325	Russian Literature in Translation	3
ENG 3327	Types of World Drama in English [1]	3
ENG 3328	Types of World Drama in English (Modern)	3
ENG 3329	Studies in Mythology	3
ENG 3341	Studies in World Literature	3
ENG 3350	Medieval Europen Literature [1]	3
ENG 3385	Children's Literature	3
ENG 3386	Adolescent Literature	3
ENG 3388	Women and Literature	3

ENG 3392	Women Writers of the Middle Ages [1]	3
ENG 3393	Introduction to Canadian Literature	3
ENG 4385	Advanced Studies in Children's or Adolescent Literature	3

Code	Title	Hours
GROUP D - FORMS, LANGUAGE, AND WRITING		
ENG 3302	Film and Video Theory and Production	3
ENG 3303	Technical Writing	3
ENG 3304	Professional Writing	3
ENG 3306	Writing for Film	3
ENG 3307	Introduction to the Study of Film	3
ENG 3308	Advanced Topics in Film	3
ENG 3311	Practices in Writing and Rhetoric	3
ENG 3315	Introduction to Creative Writing	3
ENG 3316	Film Studies	3
ENG 3318	Approaches to Writing and Rhetoric	3
ENG 3319	The Development of English	3
ENG 3320	Theory and Criticism	3
ENG 3340	Special Topics in Language and Literature	3
ENG 3342	Editing	3
ENG 3343	The Interdisciplinary Approach to Literature	3
ENG 3348	Creative Writing: Fiction	3
ENG 3349	Creative Writing: Poetry	3
ENG 3389	The Discipline of English	3
ENG 4310	Modern English Syntax	3
ENG 4323	Studies in Autobiography and Biography	3
ENG 4348	Senior Seminar in Fiction Writing	3
ENG 4349	Senior Seminar in Poetry Writing	3
ENG 4350	Senior Seminar in Film	3

Bachelor of Arts (B.A.) Major in English (Creative Writing Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. This major requires 36 semester credit hours of English courses. ENG 1310 and ENG 1320 are prerequisites to all other English courses.
7. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
8. For transfer students, 12 semester credit hours in English (or equivalents) may be transferred from a Texas public institution of higher education for the English Language and Literature Field of Study and be applied to the Bachelor of Arts degree with a major in English at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
ENG 1310	College Writing I	3
TCCN: ENGL 1301		
ENG 1320	College Writing II	3
TCCN: ENGL 1302		
Choose 6 semester credit hours from the following: ENG 2310, ENG 2320, ENG 2330, ENG 2340, ENG 2359 and ENG 2360		6
TCCN: 6 semester credit hours from the following: ENGL 2321, ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2327, ENGL 2328, ENGL 2331, ENGL 2332, ENGL 2333, ENGL 2341 and ENGL 2351		
Total Hours		12

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
US 1100	1	Modern Language 1420	4
Modern Language 1410	4	Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3	POSI 2310 (Government/ Political Science Component Code 070)	3
	14		16

Sophomore

First Semester	Hours	Second Semester	Hours
ENG Literature (Component Area Option Code 090/094) [1]	3	POSI 2320 (Government/ Political Science Component Code 070)	3
HIST 1320 (American History Component Code 060)	3	BA ENG Literature [1]	3

Modern Language 2310	3	BA Computer Science, Logic, Mathematics or science	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	Social & Behavioral Sciences Component Code 080	3
Mathematics Component Code 020	3	Modern Language 2320	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
ENG 3301[3]	3	ENG 3348 or 3349	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	ENG Advanced Elective	3
ENG 3315	3	Free Electives (as needed)	6
Minor	6	Minor	3
	15		15

Senior

First Semester	Hours	Second Semester	Hours
ENG Advanced Electives	9	ENG 4348 or 4349	3
Minor	6	Minor	6
		Free Electives (as needed)	6
	15		15

Total Hours: 120

1 Students who earn a grade of "B" or higher in the first sophomore course may elect to take an advanced literature course in lieu of the second sophomore course. No more than six hours of sophomore literature may count toward the major.

2 Meets the requirement that students must take at least 6 hours of Literature before 1800.

3 ENG 3301 is required, and students should take it immediately after completing the sophomore literature requirement.

Advanced English Courses

In addition to ENG 3301, students must complete seven advanced courses. Students must take one advanced course from Groups A, B, and C, and three specified courses from Group D: ENG 3315 and either ENG 3348 and ENG 4348 (fiction track) or ENG 3349 and ENG 4349 (poetry track). They also select one three-hour elective from one or more groups. In selecting from groups or in choosing electives, students are encouraged to take at least two courses that center on genre, theme, or theory. One of the advanced courses must focus on the works of a single author and is recommended to be taken at the end of the major.

Code	Title	Hours
ENG 3343	The Interdisciplinary Approach to Literature	3
ENG 3354	Shakespeare [1]	3
ENG 4351	Chaucer and His Time [1]	3
ENG 4355	The Later Shakespeare [1]	3
ENG 4358	Milton [1]	3

Code	Title	Hours
GROUP A - BRITISH LITERATURE		
ENG 3351	Anglo-Saxon Language, Literature, and Culture [1]	3
ENG 3352	Medieval English Literature [1]	3
ENG 3353	British Poetry and Prose of the Sixteenth Century [1]	3
ENG 3354	Shakespeare [1]	3
ENG 3356	British Poetry and Prose of the Seventeenth Century [1]	3
ENG 3357	British Literature of the Restoration and Augustan Periods, 1660-1750 [1]	3
ENG 3359	British Literature, 1750-1800 [1]	3
ENG 3362	The British Romantics	3
ENG 3365	Victorian Literature	3
ENG 3368	The British Novel	3
ENG 3370	Twentieth-Century British Literature	3
ENG 4351	Chaucer and His Time [1]	3
ENG 4355	The Later Shakespeare [1]	3
ENG 4358	Milton [1]	3

Code	Title	Hours
GROUP B - AMERICAN LITERATURE		
ENG 3309	The Southwest in Film	3
ENG 3326	American Drama on Film	3
ENG 3331	Literature of Black America	3
ENG 3333	Early US Literature [1]	3
ENG 3335	US Literature 1865-1930: The Rise of Realism, Naturalism, and Modernism	3
ENG 3336	US Literature, 1930 to the Present: From Modernism to Comtemporary Forms	3
ENG 3338	The American Novel	3
ENG 3344	Chicano/a Narrative and Social History	3
ENG 3345	Southwestern Studies I: Defining the Region	3
ENG 3346	Southwestern Studies II: Consequences of Region	3
ENG 3347	American Poetry	3
ENG 4325	Literature of the Southwest	3
ENG 4334	US Romanticism	3

Code	Title	Hours
GROUP C - WORLD LITERATURE		
ENG 3321	The Short Story	3
ENG 3322	The European Novel	3
ENG 3323	Modern Poetry	3
ENG 3325	Russian Literature in Translation	3
ENG 3327	Types of World Drama in English [1]	3
ENG 3328	Types of World Drama in English (Modern)	3
ENG 3329	Studies in Mythology	3
ENG 3341	Studies in World Literature	3
ENG 3350	Medieval Europen Literature [1]	3
ENG 3385	Children's Literature	3
ENG 3386	Adolescent Literature	3
ENG 3388	Women and Literature	3
ENG 3392	Women Writers of the Middle Ages [1]	3
ENG 3393	Introduction to Canadian Literature	3
ENG 4385	Advanced Studies in Children's or Adolescent Literature	3

Code	Title	Hours
GROUP D - FORMS, LANGUAGE, AND WRITING		
ENG 3302	Film and Video Theory and Production	3
ENG 3303	Technical Writing	3
ENG 3304	Professional Writing	3
ENG 3306	Writing for Film	3
ENG 3307	Introduction to the Study of Film	3
ENG 3308	Advanced Topics in Film	3
ENG 3311	Practices in Writing and Rhetoric	3
ENG 3315	Introduction to Creative Writing	3
ENG 3316	Film Studies	3
ENG 3318	Approaches to Writing and Rhetoric	3
ENG 3319	The Development of English	3
ENG 3320	Theory and Criticism	3
ENG 3340	Special Topics in Language and Literature	3
ENG 3342	Editing	3
ENG 3343	The Interdisciplinary Approach to Literature	3
ENG 3348	Creative Writing: Fiction	3
ENG 3349	Creative Writing: Poetry	3
ENG 3389	The Discipline of English	3
ENG 4310	Modern English Syntax	3
ENG 4323	Studies in Autobiography and Biography	3
ENG 4348	Senior Seminar in Fiction Writing	3
ENG 4349	Senior Seminar in Poetry Writing	3
ENG 4350	Senior Seminar in Film	3

Bachelor of Arts (B.A.) Major in English (Film Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. This major requires 36 semester credit hours of English courses. ENG 1310 and ENG 1320 are prerequisites to all other English courses.
7. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
8. For transfer students, 12 semester credit hours in English (or equivalents) may be transferred from a Texas public institution of higher education for the English Language and Literature Field of Study and be applied to the Bachelor of Arts degree with a major in English at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
ENG 1310	College Writing I	3
TCCN: ENGL 1301		
ENG 1320	College Writing II	3
TCCN: ENGL 1302		
Choose 6 semester credit hours from the following: ENG 2310, ENG 2320, ENG 2330, ENG 2340, ENG 2359 and ENG 2360		6
TCCN: 6 semester credit hours from the following: ENGL 2321, ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2327, ENGL 2328, ENGL 2331, ENGL 2332, ENGL 2333, ENGL 2341 and ENGL 2351		
Total Hours		12

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
US 1100	1	Modern Language 1420	4
POSI 2310 (Government/ Political Science Component Code 070)	3	Life & Physical Sciences Component Code 030	3
Modern Language 1410	4		
Life & Physical Sciences Component Code 030	3		
	17		13

Sophomore

First Semester	Hours	Second Semester	Hours
ENG Literature (Component Area Option Code 090/094)[1]	3	POSI 2320 (Government/ Political Science Component Code 070)	3
HIST 1320 (American History Component Code 060)	3	BA ENG Literature[1]	3
Modern Language 2310	3	BA Computer Science, Logic, Mathematics or science	3
Mathematics Component Code 020	3	Social & Behavioral Sciences Component Code 080	3

PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	Modern Language 2320	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
ENG 3301[3]	3	ENG Film Concentration	6
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	Free Electives (as needed)	3
Minor	3	Minor	6
ENG 3307	3		
Free Electives (as needed)	3		
	15		15

Senior

First Semester	Hours	Second Semester	Hours
ENG Advanced Electives	6	ENG Advanced Electives	6
Free Electives (as needed)	3	Free Electives (as needed)	6
Minor	6	Minor	3
	15		15

Total Hours: 120

1 Students who earn a grade of "B" or higher in the first sophomore course may elect to take an advanced literature course in lieu of the second sophomore course. No more than six hours of sophomore literature may count toward the major.

2 Meets the requirement that students must take at least 6 hours of Literature before 1800.

3 ENG 3301 is required, and students should take it immediately after completing the sophomore literature requirement.

Advanced English Courses

In addition to ENG 3301, students must complete seven advanced courses. Students must take one advanced course from Groups A, B, and C plus nine hours of electives in film. In choosing their nine hours of electives in film, students with the Emphasis in Film must take three hours of ENG 3307 and 6 hours from other film courses:

Code	Title	Hours
ENG 3302	Film and Video Theory and Production	3
ENG 3306	Writing for Film	3
ENG 3308	Advanced Topics in Film	3
ENG 3309	The Southwest in Film	3
ENG 3316	Film Studies	3
ENG 3320	Theory and Criticism	3
ENG 4350	Senior Seminar in Film	3

Students also select one three-hour elective from one or more groups. In selecting their advanced courses, students are encouraged to take at least two courses that center on genre, theme, or theory. One of the advanced courses must focus on the works of a single author and is recommended to be taken at the end of the major.

Code	Title	Hours
ENG 3343	The Interdisciplinary Approach to Literature	3
ENG 3354	Shakespeare [1]	3
ENG 4351	Chaucer and His Time [1]	3
ENG 4355	The Later Shakespeare [1]	3
ENG 4358	Milton [1]	3

Code	Title	Hours
GROUP A - BRITISH LITERATURE		
ENG 3351	Anglo-Saxon Language, Literature, and Culture [1]	3
ENG 3352	Medieval English Literature [1]	3
ENG 3353	British Poetry and Prose of the Sixteenth Century [1]	3
ENG 3354	Shakespeare [1]	3
ENG 3356	British Poetry and Prose of the Seventeenth Century [1]	3
ENG 3357	British Literature of the Restoration and Augustan Periods, 1660-1750 [1]	3
ENG 3359	British Literature, 1750-1800 [1]	3
ENG 3362	The British Romantics	3
ENG 3365	Victorian Literature	3
ENG 3368	The British Novel	3
ENG 3370	Twentieth-Century British Literature	3
ENG 4351	Chaucer and His Time [1]	3
ENG 4355	The Later Shakespeare [1]	3
ENG 4358	Milton [1]	3

Code	Title	Hours
GROUP B - AMERICAN LITERATURE		
ENG 3309	The Southwest in Film	3
ENG 3326	American Drama on Film	3
ENG 3331	Literature of Black America	3
ENG 3333	Early US Literature [1]	3
ENG 3335	US Literature 1865-1930: The Rise of Realism, Naturalism, and Modernism	3
ENG 3336	US Literature, 1930 to the Present: From Modernism to Comtemporary Forms	3
ENG 3338	The American Novel	3
ENG 3344	Chicano/a Narrative and Social History	3
ENG 3345	Southwestern Studies I: Defining the Region	3
ENG 3346	Southwestern Studies II: Consequences of Region	3
ENG 3347	American Poetry	3
ENG 4325	Literature of the Southwest	3
ENG 4334	US Romanticism	3

Code	Title	Hours
GROUP C - WORLD LITERATURE		
ENG 3321	The Short Story	3
ENG 3322	The European Novel	3
ENG 3323	Modern Poetry	3
ENG 3325	Russian Literature in Translation	3
ENG 3327	Types of World Drama in English [1]	3
ENG 3328	Types of World Drama in English (Modern)	3
ENG 3329	Studies in Mythology	3
ENG 3341	Studies in World Literature	3
ENG 3350	Medieval Europen Literature [1]	3
ENG 3385	Children's Literature	3
ENG 3386	Adolescent Literature	3

ENG 3388	Women and Literature	3
ENG 3392	Women Writers of the Middle Ages [1]	3
ENG 3393	Introduction to Canadian Literature	3
ENG 4385	Advanced Studies in Children's or Adolescent Literature	3

Code	Title	Hours
GROUP D - FORMS, LANGUAGE, AND WRITING		
ENG 3302	Film and Video Theory and Production	3
ENG 3303	Technical Writing	3
ENG 3304	Professional Writing	3
ENG 3306	Writing for Film	3
ENG 3307	Introduction to the Study of Film	3
ENG 3308	Advanced Topics in Film	3
ENG 3311	Practices in Writing and Rhetoric	3
ENG 3315	Introduction to Creative Writing	3
ENG 3316	Film Studies	3
ENG 3318	Approaches to Writing and Rhetoric	3
ENG 3319	The Development of English	3
ENG 3320	Theory and Criticism	3
ENG 3340	Special Topics in Language and Literature	3
ENG 3342	Editing	3
ENG 3343	The Interdisciplinary Approach to Literature	3
ENG 3348	Creative Writing: Fiction	3
ENG 3349	Creative Writing: Poetry	3
ENG 3389	The Discipline of English	3
ENG 4310	Modern English Syntax	3
ENG 4323	Studies in Autobiography and Biography	3
ENG 4348	Senior Seminar in Fiction Writing	3
ENG 4349	Senior Seminar in Poetry Writing	3
ENG 4350	Senior Seminar in Film	3

Bachelor of Arts (B.A.) Major in English (Single Field Teacher Certification in English Language Arts and Reading, Grades 7-12)

Minimum required: 126 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. This major requires 36 semester credit hours of English courses. ENG 1310 and ENG 1320 are prerequisites to all other English courses.
7. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
8. In addition to the major and minor requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to EDST 4681.
9. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.
10. For transfer students, 12 semester credit hours in English (or equivalents) may be transferred from a Texas public institution of higher education for the English Language and Literature Field of Study and be applied to the Bachelor of Arts degree with a major in English at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
ENG 1310	College Writing I	3
TCCN: ENGL 1301		
ENG 1320	College Writing II	3
TCCN: ENGL 1302		
Choose 6 semester credit hours from the following: ENG 2310, ENG 2320, ENG 2330, ENG 2340, ENG 2359 and ENG 2360		6
TCCN: 6 semester credit hours from the following: ENGL 2321, ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2327, ENGL 2328, ENGL 2331, ENGL 2332, ENGL 2333, ENGL 2341 and ENGL 2351		
Total Hours		12

Course Requirements

Freshman			
First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
US 1100	1	Modern Language 1420	4
POSI 2310 (Government/ Political Science Component Code 070)	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Modern Language 1410	4	Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3		
	17		16

Sophomore			
First Semester	Hours	Second Semester	Hours
ENG Literature (Component Area Option Code 090/094)[1]	3	POSI 2320 (Government/ Political Science Component Code 070)	3
HIST 1320 (American History Component Code 060)	3	BA ENG Literature[1]	3
Modern Language 2310	3	BA Computer Science, Logic, Mathematics or science	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	Social & Behavioral Sciences Component Code 080	3
Mathematics Component Code 020	3	Modern Language 2320	3
		ENG 3301[3]	3
	15		18

Junior			
First Semester	Hours	Second Semester	Hours
CI 4332	3	Minor	9
CI 3325	3	ENG Advanced Electives	9
Minor	3		
ENG Advanced Electives	9		
	18		18

Senior			
First Semester	Hours	Second Semester	Hours
ENG 3389	3	EDST 4681	6
CI 4370	3		
CI 4343	3		
RDG 3323	3		
Minor	6		
	18		6

Total Hours: 126

1 Students who earn a grade of "B" or higher in the first sophomore course may elect to take an advanced literature course in lieu of the second sophomore course. No more than six hours of sophomore literature may count toward the major.

2 Meets the requirement that students must take at least 6 hours of Literature before 1800.

3 ENG 3301 is required, and students should take it immediately after completing the sophomore literature requirement.

Advanced English Electives

In addition to ENG 3301, students must complete seven advanced courses. Students must take at least one advanced course from Group A and one from Group C, two courses from Group B, and two specified courses from Group D: ENG 3319 or ENG 4310, and ENG 3389. They also select a three-hour elective from one group. In selecting their advanced courses, students are encouraged to take at least two courses that center on genre, theme, or theory. One of the advanced courses must focus on the works of a single author and is recommended to be taken at the end of the major.

Code	Title	Hours
ENG 3343	The Interdisciplinary Approach to Literature	3
ENG 3354	Shakespeare [1]	3
ENG 4351	Chaucer and His Time [1]	3
ENG 4355	The Later Shakespeare [1]	3
ENG 4358	Milton [1]	3

Code	Title	Hours
GROUP A - BRITISH LITERATURE		
ENG 3351	Anglo-Saxon Language, Literature, and Culture [1]	3
ENG 3352	Medieval English Literature [1]	3
ENG 3353	British Poetry and Prose of the Sixteenth Century [1]	3
ENG 3354	Shakespeare [1]	3
ENG 3356	British Poetry and Prose of the Seventeenth Century [1]	3
ENG 3357	British Literature of the Restoration and Augustan Periods, 1660-1750 [1]	3
ENG 3359	British Literature, 1750-1800 [1]	3
ENG 3362	The British Romantics	3
ENG 3365	Victorian Literature	3
ENG 3368	The British Novel	3
ENG 3370	Twentieth-Century British Literature	3
ENG 4351	Chaucer and His Time [1]	3
ENG 4355	The Later Shakespeare [1]	3
ENG 4358	Milton [1]	3

Code	Title	Hours
GROUP B - AMERICAN LITERATURE		
ENG 3309	The Southwest in Film	3
ENG 3326	American Drama on Film	3
ENG 3331	Literature of Black America	3
ENG 3333	Early US Literature [1]	3
ENG 3335	US Literature 1865-1930: The Rise of Realism, Naturalism, and Modernism	3
ENG 3336	US Literature, 1930 to the Present: From Modernism to Comtemporary Forms	3
ENG 3338	The American Novel	3

ENG 3344	Chicano/a Narrative and Social History	3
ENG 3345	Southwestern Studies I: Defining the Region	3
ENG 3346	Southwestern Studies II: Consequences of Region	3
ENG 3347	American Poetry	3
ENG 4325	Literature of the Southwest	3
ENG 4334	US Romanticism	3

Code	Title	Hours
GROUP C - WORLD LITERATURE		
ENG 3321	The Short Story	3
ENG 3322	The European Novel	3
ENG 3323	Modern Poetry	3
ENG 3325	Russian Literature in Translation	3
ENG 3327	Types of World Drama in English [1]	3
ENG 3328	Types of World Drama in English (Modern)	3
ENG 3329	Studies in Mythology	3
ENG 3341	Studies in World Literature	3
ENG 3350	Medieval Europen Literature [1]	3
ENG 3385	Children's Literature	3
ENG 3386	Adolescent Literature	3
ENG 3388	Women and Literature	3
ENG 3392	Women Writers of the Middle Ages [1]	3
ENG 3393	Introduction to Canadian Literature	3
ENG 4385	Advanced Studies in Children's or Adolescent Literature	3

Code	Title	Hours
GROUP D - FORMS, LANGUAGE, AND WRITING		
ENG 3302	Film and Video Theory and Production	3
ENG 3303	Technical Writing	3
ENG 3304	Professional Writing	3
ENG 3306	Writing for Film	3
ENG 3307	Introduction to the Study of Film	3
ENG 3308	Advanced Topics in Film	3
ENG 3311	Practices in Writing and Rhetoric	3
ENG 3315	Introduction to Creative Writing	3
ENG 3316	Film Studies	3
ENG 3318	Approaches to Writing and Rhetoric	3
ENG 3319	The Development of English	3
ENG 3320	Theory and Criticism	3
ENG 3340	Special Topics in Language and Literature	3
ENG 3342	Editing	3
ENG 3343	The Interdisciplinary Approach to Literature	3
ENG 3348	Creative Writing: Fiction	3
ENG 3349	Creative Writing: Poetry	3
ENG 3389	The Discipline of English	3
ENG 4310	Modern English Syntax	3
ENG 4323	Studies in Autobiography and Biography	3
ENG 4348	Senior Seminar in Fiction Writing	3
ENG 4349	Senior Seminar in Poetry Writing	3
ENG 4350	Senior Seminar in Film	3

Bachelor of Arts (B.A.) Major in English (Two Fields Teacher Certification in English Language Arts and Reading, Grades 7-12)

Minimum required: 126 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. This major requires 36 semester credit hours of English courses. ENG 1310 and ENG 1320 are prerequisites to all other English courses.
7. Students must complete a second teaching field.
8. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
9. In addition to the major, minor, and second field requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to EDST 4681.
10. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.
11. For transfer students, 12 semester credit hours in English (or equivalents) may be transferred from a Texas public institution of higher education for the English Language and Literature Field of Study and be applied to the Bachelor of Arts degree with a major

in English at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
ENG 1310	College Writing I	3
TCCN: ENGL 1301		
ENG 1320	College Writing II	3
TCCN: ENGL 1302		
Choose 6 semester credit hours from the following: ENG 2310, ENG 2320, ENG 2330, ENG 2340, ENG 2359 and ENG 2360		6
TCCN: 6 semester credit hours from the following: ENGL 2321, ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2327, ENGL 2328, ENGL 2331, ENGL 2332, ENGL 2333, ENGL 2341 and ENGL 2351		
Total Hours		12

Course Requirements

				Freshman
First Semester	Hours		Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3		HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3		ENG 1320 (Communication Component Code 010)	3
US 1100	1		Modern Language 1420	4
POSI 2310 (Government/ Political Science Component Code 070)	3		Life & Physical Sciences Component Code 030	3
Modern Language 1410	4		ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Life & Physical Sciences Component Code 030	3			
	17			16

				Sophomore
First Semester	Hours		Second Semester	Hours
ENG Literature (Component Area Option Code 090/094)[1]	3		POSI 2320 (Government/ Political Science Component Code 070)	3
HIST 1320 (American History Component Code 060)	3		BA ENG Literature[1]	3
Modern Language 2310	3		BA Computer Science, Logic, Mathematics or science	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3		Social & Behavioral Sciences Component Code 080	3
Mathematics Component Code 020	3		Modern Language 2320	3
			ENG 3301[3]	3
	15			18

				Junior
First Semester	Hours		Second Semester	Hours
CI 4332	3		Minor	9
CI 3325	3		ENG Advanced Electives	9
ENG Advanced Electives	9			
Minor	3			
	18			18

				Senior
First Semester	Hours		Second Semester	Hours
ENG 3389	3		EDST 4681	6
CI 4370	3			
CI 4343	3			
RDG 3323	3			
Minor	6			
	18			6

Total Hours: 126

1 Students who earn a grade of "B" or higher in the first sophomore course may elect to take an advanced literature course in lieu of the second sophomore course. No more than six hours of sophomore literature may count toward the major.

2 Meets the requirement that students must take at least 6 hours of Literature before 1800.

3 ENG 3301 is required, and students should take it immediately after completing the sophomore literature requirement.

Advanced English Courses

In addition to ENG 3301, students must complete seven advanced courses. Students must take at least one advanced course from Group A and one from Group C, two courses from Group B, and two specified courses from Group D: ENG 3319 or ENG 4310, and ENG 3389. They also select a three-hour elective from one group. In selecting their advanced courses, students are encouraged to take at least two courses that center on genre, theme, or theory. One of the advanced courses must focus on the works of a single author and is recommended to be taken at the end of the major.

Code	Title	Hours
ENG 3343	The Interdisciplinary Approach to Literature	3
ENG 3354	Shakespeare [1]	3
ENG 4351	Chaucer and His Time [1]	3
ENG 4355	The Later Shakespeare [1]	3
ENG 4358	Milton [1]	3

Code	Title	Hours
GROUP A - BRITISH LITERATURE		
ENG 3351	Anglo-Saxon Language, Literature, and Culture [1]	3
ENG 3352	Medieval English Literature [1]	3
ENG 3353	British Poetry and Prose of the Sixteenth Century [1]	3
ENG 3354	Shakespeare [1]	3
ENG 3356	British Poetry and Prose of the Seventeenth Century [1]	3
ENG 3357	British Literature of the Restoration and Augustan Periods, 1660-1750 [1]	3
ENG 3359	British Literature, 1750-1800 [1]	3
ENG 3362	The British Romantics	3

ENG 3365	Victorian Literature	3
ENG 3368	The British Novel	3
ENG 3370	Twentieth-Century British Literature	3
ENG 4351	Chaucer and His Time [1]	3
ENG 4355	The Later Shakespeare [1]	3
ENG 4358	Milton [1]	3

Code	Title	Hours
GROUP B - AMERICAN LITERATURE		
ENG 3309	The Southwest in Film	3
ENG 3326	American Drama on Film	3
ENG 3331	Literature of Black America	3
ENG 3333	Early US Literature [1]	3
ENG 3335	US Literature 1865-1930: The Rise of Realism, Naturalism, and Modernism	3
ENG 3336	US Literature, 1930 to the Present: From Modernism to Comtemporary Forms	3
ENG 3338	The American Novel	3
ENG 3344	Chicano/a Narrative and Social History	3
ENG 3345	Southwestern Studies I: Defining the Region	3
ENG 3346	Southwestern Studies II: Consequences of Region	3
ENG 3347	American Poetry	3
ENG 4325	Literature of the Southwest	3
ENG 4334	US Romanticism	3

Code	Title	Hours
GROUP C - WORLD LITERATURE		
ENG 3321	The Short Story	3
ENG 3322	The European Novel	3
ENG 3323	Modern Poetry	3
ENG 3325	Russian Literature in Translation	3
ENG 3327	Types of World Drama in English [1]	3
ENG 3328	Types of World Drama in English (Modern)	3
ENG 3329	Studies in Mythology	3
ENG 3341	Studies in World Literature	3
ENG 3350	Medieval Europen Literature [1]	3
ENG 3385	Children's Literature	3
ENG 3386	Adolescent Literature	3
ENG 3388	Women and Literature	3
ENG 3392	Women Writers of the Middle Ages [1]	3
ENG 3393	Introduction to Canadian Literature	3
ENG 4385	Advanced Studies in Children's or Adolescent Literature	3

Code	Title	Hours
GROUP D - FORM, LANGUAGE, AND WRITING		
ENG 3302	Film and Video Theory and Production	3
ENG 3303	Technical Writing	3
ENG 3304	Professional Writing	3
ENG 3306	Writing for Film	3
ENG 3307	Introduction to the Study of Film	3
ENG 3308	Advanced Topics in Film	3
ENG 3311	Practices in Writing and Rhetoric	3
ENG 3315	Introduction to Creative Writing	3
ENG 3316	Film Studies	3
ENG 3318	Approaches to Writing and Rhetoric	3
ENG 3319	The Development of English	3
ENG 3320	Theory and Criticism	3
ENG 3340	Special Topics in Language and Literature	3
ENG 3342	Editing	3
ENG 3343	The Interdisciplinary Approach to Literature	3
ENG 3348	Creative Writing: Fiction	3
ENG 3349	Creative Writing: Poetry	3
ENG 3389	The Discipline of English	3
ENG 4310	Modern English Syntax	3
ENG 4323	Studies in Autobiography and Biography	3
ENG 4348	Senior Seminar in Fiction Writing	3
ENG 4349	Senior Seminar in Poetry Writing	3
ENG 4350	Senior Seminar in Film	3

Bachelor of Arts (B.A.) Major in English (Writing and Rhetoric Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. This major requires 36 semester credit hours of English courses. ENG 1310 and ENG 1320 are prerequisites to all other English courses.
7. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
8. For transfer students, 12 semester credit hours in English (or equivalents) may be transferred from a Texas public institution of higher education for the English Language and Literature Field of Study and be applied to the Bachelor of Arts degree with a major in English at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements)

is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
ENG 1310	College Writing I	3
TCCN: ENGL 1301		
ENG 1320	College Writing II	3
TCCN: ENGL 1302		
Choose 6 semester credit hours from the following: ENG 2310, ENG 2320, ENG 2330, ENG 2340, ENG 2359 and ENG 2360		6
TCCN: 6 semester credit hours from the following: ENGL 2321, ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2327, ENGL 2328, ENGL 2331, ENGL 2332, ENGL 2333, ENGL 2341 and ENGL 2351		
Total Hours		12

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
US 1100	1	Modern Language 1420	4
Modern Language 1410	4	Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3	POSI 2310 (Government/ Political Science Component Code 070)	3
	14		16

Sophomore

First Semester	Hours	Second Semester	Hours
ENG Literature (Component Area Option Code 090/094)[1]	3	POSI 2320 (Government/ Political Science Component Code 070)	3
HIST 1320 (American History Component Code 060)	3	BA ENG Literature[1]	3
Modern Language 2310	3	BA Computer Science, Logic, Mathematics or science	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	Social & Behavioral Sciences Component Code 080	3
Mathematics Component Code 020	3	Modern Language 2320	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
ENG 3301[3]	3	ENG Writing & Rhetoric Concentration	6
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	Free Electives (as needed)	3
Minor	3	Minor	6
ENG Writing & Rhetoric Concentration	3		
Free Electives (as needed)	3		
	15		15

Senior

First Semester	Hours	Second Semester	Hours
ENG Advanced Electives	6	ENG Advanced Electives	6
Free Electives (as needed)	6	Free Electives (as needed)	3
Minor	6	Minor	3
	18		12

Total Hours: 120

1. Students who earn a grade of "B" or higher in the first sophomore course may elect to take an advanced literature course in lieu of the second sophomore course. No more than six hours of sophomore literature may count toward the major.
2. Meets the requirement that students must take at least 6 hours of Literature before 1800.
3. ENG 3301 is required, and students should take it immediately after completing the sophomore literature requirement.

Advanced English Courses

In addition to ENG 3301, students must complete seven advanced courses. Students must take one advanced course from Groups A, B, and C plus nine hours of electives in writing and rhetoric. In choosing their nine hours of electives in writing and rhetoric, major with the emphasis in writing and rhetoric must take three hours of theory (ENG 3318, repeatable); three hours of practice (ENG 3303, ENG 3304, ENG 3311, or ENG 3342); and three hours of theory or practice. They also select one three-hour elective from one of the groups. In selecting their advanced courses, students are encouraged to take at least two courses that center on genre, theme, or theory. One of the advanced courses must focus on the works of a single author and is recommended to be taken at the end of the major.

Code	Title	Hours
ENG 3343	The Interdisciplinary Approach to Literature	3
ENG 3354	Shakespeare [1]	3
ENG 4351	Chaucer and His Time [1]	3
ENG 4355	The Later Shakespeare [1]	3
ENG 4358	Milton [1]	3

Code	Title	Hours
GROUP A - BRITISH LITERATURE		
ENG 3351	Anglo-Saxon Language, Literature, and Culture [1]	3
ENG 3352	Medieval English Literature [1]	3
ENG 3353	British Poetry and Prose of the Sixteenth Century [1]	3
ENG 3354	Shakespeare [1]	3
ENG 3356	British Poetry and Prose of the Seventeenth Century [1]	3
ENG 3357	British Literature of the Restoration and Augustan Periods, 1660-1750 [1]	3
ENG 3359	British Literature, 1750-1800 [1]	3
ENG 3362	The British Romantics	3
ENG 3365	Victorian Literature	3
ENG 3368	The British Novel	3

ENG 3370	Twentieth-Century British Literature	3
ENG 4351	Chaucer and His Time [1]	3
ENG 4355	The Later Shakespeare [1]	3
ENG 4358	Milton [1]	3

Code	Title	Hours
GROUP B - AMERICAN LITERATURE		
ENG 3309	The Southwest in Film	3
ENG 3326	American Drama on Film	3
ENG 3331	Literature of Black America	3
ENG 3333	Early US Literature [1]	3
ENG 3335	US Literature 1865-1930: The Rise of Realism, Naturalism, and Modernism	3
ENG 3336	US Literature, 1930 to the Present: From Modernism to Comtemporary Forms	3
ENG 3338	The American Novel	3
ENG 3344	Chicano/a Narrative and Social History	3
ENG 3345	Southwestern Studies I: Defining the Region	3
ENG 3346	Southwestern Studies II: Consequences of Region	3
ENG 3347	American Poetry	3
ENG 4325	Literature of the Southwest	3
ENG 4334	US Romanticism	3

Code	Title	Hours
GROUP C - WORLD LITERATURE		
ENG 3321	The Short Story	3
ENG 3322	The European Novel	3
ENG 3323	Modern Poetry	3
ENG 3325	Russian Literature in Translation	3
ENG 3327	Types of World Drama in English [1]	3
ENG 3328	Types of World Drama in English (Modern)	3
ENG 3329	Studies in Mythology	3
ENG 3341	Studies in World Literature	3
ENG 3350	Medieval Europen Literature [1]	3
ENG 3385	Children's Literature	3
ENG 3386	Adolescent Literature	3
ENG 3388	Women and Literature	3
ENG 3392	Women Writers of the Middle Ages [1]	3
ENG 3393	Introduction to Canadian Literature	3
ENG 4385	Advanced Studies in Children's or Adolescent Literature	3

Code	Title	Hours
GROUP D - FORMS, LANGUAGE, AND WRITING		
ENG 3302	Film and Video Theory and Production	3
ENG 3303	Technical Writing	3
ENG 3304	Professional Writing	3
ENG 3306	Writing for Film	3
ENG 3307	Introduction to the Study of Film	3
ENG 3308	Advanced Topics in Film	3
ENG 3311	Practices in Writing and Rhetoric	3
ENG 3315	Introduction to Creative Writing	3
ENG 3316	Film Studies	3
ENG 3318	Approaches to Writing and Rhetoric	3
ENG 3319	The Development of English	3
ENG 3320	Theory and Criticism	3
ENG 3340	Special Topics in Language and Literature	3
ENG 3342	Editing	3
ENG 3343	The Interdisciplinary Approach to Literature	3
ENG 3348	Creative Writing: Fiction	3
ENG 3349	Creative Writing: Poetry	3
ENG 3389	The Discipline of English	3
ENG 4310	Modern English Syntax	3
ENG 4323	Studies in Autobiography and Biography	3
ENG 4348	Senior Seminar in Fiction Writing	3
ENG 4349	Senior Seminar in Poetry Writing	3
ENG 4350	Senior Seminar in Film	3

Minor in English

The minor in English requires 24 semester credit hours. Students who earn a grade of “B” or higher in the first sophomore course may elect to take an advanced literature course in lieu of the second sophomore course. No more than 6 hours of sophomore literature may count toward the English minor. Minors must take advanced courses from at least two different groups (Group A-British Literature, Group B-American Literature, Group C-World Literature, or Group D-Forms, Language, and Writing) and are encouraged to complete one course that centers on genre, theme, or theory.

Code	Title	Hours
Required Courses		
ENG 1310	College Writing I	3
ENG 1320	College Writing II	3
Choose 6 hours from the following:		6
ENG 2310	British Literature before 1785 [1]	
ENG 2320	British Literature since 1785	
ENG 2330	World Literature before 1600 [1]	
ENG 2340	World Literature since 1600	
ENG 2359	US Literature before 1865 [1]	
ENG 2360	US Literature since 1865	
Electives		
Choose 12 hours of advanced ENG courses		12
Total Hours		24

[1] Meets the requirement that majors must take at least 6 hours of Literature before 1800.

Minor in Media Studies

The minor in Media Studies requires 18 semester credit hours. No more than three courses, including core courses, in a single department may count toward this minor. A course may not be used to satisfy both a major and a minor requirement. Students should check with individual departments for course prerequisites. Relevant Honors courses and special topics courses may be substituted with permission from the Director of Media Studies.

Code	Title	Hours
Required Courses		
MC 3319	Visual Communication	3

ENG 3307	Introduction to the Study of Film	3
Choose 12 hours from the following:		12
ANTH 3309	Cultures Through Film	
ARTH 4304	Global History of Cinema	
COMM 4307	Media Criticism	
ENG 3302	Film and Video Theory and Production	
ENG 3308	Advanced Topics in Film	
ENG 3309	The Southwest in Film	
ENG 3316	Film Studies	
ENG 3326	American Drama on Film	
ENG 3327	Types of World Drama in English	
ENG 3329	Mythology	
ENG 4350	Senior Seminar in Film	
FR 3350	History of French Cinema I, 1895-1960	
FR 3351	History of French Cinema II, 1960 to the Present	
FR 4350A	French Poetic Realist Cinema	
GEO 2426	Fundamentals of Geographic Information Systems	
GEO 3411	Maps and Mapmaking	
GEO 3416	Principles of Remote Sensing	
GEO 3426	Advanced GIS	
GEO 4412	Digital Remote Sensing	
GEO 4422	Web Mapping	
GER 3304C	The Many Faces of Weimar Cinema: German Expressionist Films	
MC 3355	Mass Media and Society	
MC 3375	Programming in Electronic Media	
MC 4301	Media Law and Ethics	
MC 4336B	Documentaries	
PS 3328	Politics in Film	
SPAN 4350	Hispanic Film	
TH 3342	Television/Film Performance	
TH 4363	Directing For Film	
Total Hours		18

Minor in Medieval and Renaissance Studies

The minor in Medieval and Renaissance Studies requires 24 semester credit hours. No more than three courses, including core courses, in a single department may count toward this minor. A course may not be used to satisfy both a major and a minor requirement. Students should check with individual departments for course prerequisites. Relevant Honors courses and special topics courses may be substituted with permission from the Director of Medieval and Renaissance Studies.

Code	Title	Hours
Required Courses		
ENG 2310	British Literature before 1785	3
or ENG 2330	World Literature before 1600	
HIST 2310	Western Civilization to 1715	3
or HIST 2311	History of World Civilization to the 17th Century	
Choose 18 hours from the following:		18
ARTH 2301	Ancient to Medieval Art	
ARTH 2302	Renaissance to Modern Art	
ARTH 4306	Renaissance Art	
ARTH 4322	Special Problems	
DAN 2368	World Dance and Cultures	
ENG 3319	The Development of English	
ENG 3350	Medieval Europen Literature	
ENG 3351	Anglo-Saxon Language, Literature, and Culture	
ENG 3352	Medieval English Literature	
ENG 3353	British Poetry and Prose of the Sixteenth Century	
ENG 3354	Shakespeare	
ENG 3356	British Poetry and Prose of the Seventeenth Century	
ENG 3392	Women Writers of the Middle Ages	
ENG 4351	Chaucer and His Time	
ENG 4355	The Later Shakespeare	
ENG 4358	Milton	
HIST 3312	Renaissance and Reformation	
HIST 3315	History of England to 1603	
HIST 4307	Medieval European History, 300-1400	
HIST 4317	Tudor-Stuart England, 1485-1689	
HIST 4320	Origins of Christianity	
MATH 4311	Introduction to the History of Mathematics	
MU 3315	History and Analysis of Music I	
PHIL 2311	History of Philosophy Before 1600	
PS 4311	Ancient and Medieval Political Thought (Greeks to 1600)	
PS 4312	Modern Political Theory (1600 - 1900)	
PS 4331	Islamic Law and Politics	
SPAN 3301	Literatures of Spain I	
TECH 3322	Development of Technology	
TH 3320	History of the Theatre I	
TH 3346	Historical Costume Research	
Total Hours		24

Minor in Southwestern Studies

This minor is administered by the Center for the Study of the Southwest. For information regarding the requirements please click here (p. 447).

Minor in Writing

The minor in Writing requires 24 semester credit hours. Students may choose an emphasis in creative writing or professional writing, or they may take courses in both types of writing. Students should check course descriptions for prerequisites to ENG 3348, ENG 3349, ENG 4348, and ENG 4349.

Students majoring in English may not minor in writing.

Code	Title	Hours
Required Courses		
ENG 1310	College Writing I	3
ENG 1320	College Writing II	3

ENG 3311	Practices in Writing and Rhetoric	3
Choose 3 hours from the following:		3
ENG 2310	British Literature before 1785	
ENG 2320	British Literature since 1785	
ENG 2330	World Literature before 1600	
ENG 2340	World Literature since 1600	
ENG 2359	US Literature before 1865	
ENG 2360	US Literature since 1865	
Choose 9 hours from the following:		9
ENG 3303	Technical Writing	
ENG 3304	Professional Writing	
ENG 3315	Introduction to Creative Writing	
ENG 3342	Editing	
ENG 3348	Creative Writing: Fiction	
ENG 3349	Creative Writing: Poetry	
ENG 4348	Senior Seminar in Fiction Writing	
ENG 4349	Senior Seminar in Poetry Writing	
Choose 3 hours of advanced ENG literature courses		3
Total Hours		24

Second Teaching Field in English (Grades 7-12)

For students who are seeking a teacher certification within their major and would like a second teaching field in English, the requirements are:

Code	Title	Hours
ENG 1310	College Writing I	3
ENG 1320	College Writing II	3
ENG 3301	Critical Theory and Practice for English Majors	3
ENG 3389	The Discipline of English	3
Select two of the following:		6
ENG 2310	British Literature before 1785	
ENG 2320	British Literature since 1785	
ENG 2330	World Literature before 1600	
ENG 2340	World Literature since 1600	
ENG 2359	US Literature before 1865	
ENG 2360	US Literature since 1865	
Select three advanced hours from Group A		3
Select three advanced hours from Group B		3
Select three advanced hours from Group C		3
Select one of the following from Group D:		3
ENG 3319	The Development of English	
ENG 4310	Modern English Syntax	
Total Hours		30

All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

[1] Meets the requirement that majors must take at least 6 hours of Literature before 1800.

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Department of Geography

Evans Liberal Arts Building Room 139
Telephone: 512-245-2170 Fax: 512-245-8353
www.geo.txstate.edu (http://www.geo.txstate.edu)

Texas State Geography is one of the largest undergraduate programs in the United States. The undergraduate geography program offers a variety of majors of study. Students may select a Bachelor of Arts (B.A.) degree or a Bachelor of Science (B.S.) degree. The programs provide students with courses designed to increase their understanding of the world they live in and help students develop analytical skills necessary to interpret and solve real-world problems. The B.A. requires a minimum of 30 semester credit hours of Geography coursework while the B.S. requires a minimum of 36 hours of Geography coursework. Geography majors may include a maximum of two additional Geography courses towards their major. Geography majors are required to complete a minor and are encouraged to select a minor in consultation with an academic advisor.

Additionally, the Department of Geography's internship program is one of the largest of its kind, placing students in both government agencies and private enterprises to provide students real-world experience to complement their academic program. The Department also offers highly acclaimed field experiences to places such as Big Bend National Park, the Southwestern United States, Europe and Latin America, where students gain invaluable firsthand geographical knowledge while gaining academic credit.

Major in Geography

The Geography major under the Bachelor of Arts or the Bachelor of Science degrees provides flexibility in designing unique programs for students with highly specialized career or graduate study objectives. Students electing to follow this major are strongly encouraged to work with a faculty member with experience in their special area of interest.

Major in Geography with Teacher Certification in Social Studies

This Bachelor of Science degree program is designed to prepare students to teach any of the four social studies disciplines (History, Geography, Government, and Economics) at the secondary level (grades 7-12). Upon completion of the social studies curriculum and passage of the social studies TExES test, students will receive certification in social studies and eligibility to teach in any of the four disciplines. Students pursuing secondary certification with a major in Geography select a minor from the disciplines of History or Political Science. In addition, students will complete specific courses in the third social studies discipline not chosen as a major or minor.

Major in Geographic Information Science

The general philosophy of the program stresses the importance of a content-rich background in geography along with principles and techniques of Geographic Information Science: GIS; remote sensing; visualization; cartography; spatial modeling; and quantitative methods.

The Bachelor of Science major in Geographic Information Science was developed and structured for positions in local, state, and federal agencies, commercial companies, planning departments, engineering firms, utility companies, and many others. To prepare for GIScience careers, many students perform internships with government agencies or private firms as part of their academic program.

Major in Geography Resource and Environmental Studies

The Bachelor of Science major in Geography Resource and Environmental Studies prepares students for a wide variety of government and private sector occupations relating to resource conservation and/or environmental management. Graduates pursue careers with employers such as the Texas General Land Office, the Texas Commission on Environmental Quality, the Texas Department of Transportation, Texas Parks and Wildlife, the National Geographic Society, the Lower Colorado River Authority, the San Antonio Water System, Motorola, Valero Energy and various private – sector environmental consulting firms.

Major in Geography Urban and Regional Planning

Planning is a diverse profession, which draws upon fields of knowledge and technical skills closely related to geography. The Bachelor of Science major in Urban and Regional Planning provides the means to evaluate and facilitate programs that benefit our neighborhoods, communities, cities, and regions. Population growth, economic development, transportation, education, public services, and the environment are a few of the essential factors evaluated by planners. Many of our graduates are employed as planners in Texas, as well as within other states and countries.

Major in Geography Water Resources

The Bachelor of Science major in Geography Water Resources provides a focused study of the physical, chemical, social, political, and economic factors of water resources from the geographic perspective. As water resources become ever more critical to the nation, and in particular Texas and the Southwest Borderlands, this degree program addresses the increasing need for professionals in this crucial field. Graduates are highly sought after by government agencies, from local, state to federal, industries that have large water demands, agricultural interests and private consulting firms that specialize in water resource issues. The Lower Colorado River Authority, the Guadalupe-Blanco River Authority, the Edwards Aquifer Authority, and the San Antonio Water System all employ graduates of the program.

Major in Physical Geography

The Bachelor of Science major in Physical Geography emphasizes the physical science elements of geographical study. This major prepares students for employment in applied climatology and meteorology, oceanography, geomorphology, resource evaluation, environmental analysis, and areas where an understanding of the complex relationship between nature and society is required. Students considering graduate studies in Physical Geography or any of the earth and atmospheric sciences should select this degree option.

Bachelor of Arts (B.A.)

- Major in Geography (p. 485)

Bachelor of Science (B.S.)

- Major in Geographic Information Science (p. 486)
- Major in Geography (p. 487)
- Major in Geography (Teacher Certification in Social Studies, Grades 7-12: History Minor and Political Science Third Field) (p. 488)
- Major in Geography (Teacher Certification in Social Studies, Grades 7-12: Political Science Minor and History Third Field) (p. 490)
- Major in Geography Resource and Environmental Studies (p. 492)
- Major in Geography Urban and Regional Planning (p. 494)
- Major in Geography Water Resources (p. 495)
- Major in Physical Geography (p. 496)

Minors

- Geography (p. 499)
- Geology (p. 499)
- Nature and Heritage Tourism (p. 499)

Certificates

- Environmental Interpretation (p. 498)
- Geographic Information Science (p. 498)
- Location Analysis (p. 498)
- Water Resources Policy (p. 499)

Subjects in this department include: GEO (p. 477), GEOL (p. 484), NHT (p. 485)

Courses in Geography (GEO)

GEO 1105. Meteorology Laboratory.
Laboratory observations, calculations, and exercises of meteorological data and phenomena. Prerequisite: GEO 1305 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: GEOL 1147

GEO 1305. Meteorology.
An introduction to atmospheric science providing information on the properties of the atmosphere, the scientific principles that govern weather and climate, and interactions between the atmosphere and the other components of the Earth system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: GEOL 1347

GEO 1309. Introduction to Cultural Geography.
This course introduces students to the geographical perspective and focuses on spatial distributions of human activities and investigates underlying geographical processes that account for present and past cultural patterns such as population,folk and popular culture, language, religion, gender, ethnicity, politics, urban and rural land use, and economic development. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: GEOG 1302

GEO 1310. World Geography.
This course stresses the similarities and differences of the major world regions. Emphasis is given to human behavior in a spatial context. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080|Multicultural Content
Grade Mode: Standard Letter
TCCN: GEOG 1303

GEO 2110. Physical Geography Laboratory.
This is a laboratory course that includes exercises and calculations to apply principles and concepts covered in introductory physical geography lecture classes. These include geographic tools, weather and climate, soils and biogeography, and geomorphology. Open only to students who have taken the lecture class at another college/university. Prerequisite: MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471 any with a grade of "C" or better and instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 2310. Introduction to Environmental Geography.
Introduces the Geographic perspective to examine the Earth's environment and its opportunities, constraints, and risks, Principles of scale space, and distributions will be used in examining the environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 2410. Introduction to Physical Geography.
A systematic study of the various elements that make up the Earth's physical environment, weather, climate, vegetation, soil, and landforms. Prerequisites: MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2328 or MATH 2417 or MATH 2471 any with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 2420. Introduction to Geographic Information Techniques.
The course will introduce the foundations of geographic information systems (GIS), global positioning systems (GPS), remote sensing, cartography, data analysis, and other tools and methods used by geographic information scientists. Maps, data collection, using and creating Internet content, and data analysis and display will be topics in the course.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 2426. Fundamentals of Geographic Information Systems.
This course is an introduction to Geographic Information Systems (GIS), a tool for integrating and analyzing spatial data to visualize relationships, seek explanations and develop solutions to pressing problems. The foundations and theory of GIS will be emphasized. Prerequisites: MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2328 or MATH 2417 or MATH 2471 any with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 2427. Management and Implementation of GIS.
This course addresses strategies for successful GIS management and implementation in an organization-wide context and is organized around four primary issues: implementation planning, data management, technology assessment, and organizational setting. Prerequisite: GEO 2426 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 3134. Water Quality Monitoring and Management.
This course incorporates the water quality training of Texas Watch so students can receive certification and become Texas Watch water quality monitors. In addition, students learn to compile, analyze, and present water quality data for watershed management. May be repeated once for credit. Corequisite: GEO 3434 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 3301. Research Methods in Geography.
This course provides an introduction to quantitative and qualitative research methodology, data collection and analytical techniques. Topics include descriptive, inferential, spatial quantitative statistics and qualitative methods such as case studies and content analysis. The course will introduce students to software applications that are designed for organizing, analyzing and visualizing data. Prerequisite: MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2328 or MATH 2417 or MATH 2471 any with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3303. Economic Geography.
This course investigates the geographic organization of economic activity with emphasis on the interconnections from global to local scales. Technological advances, resource creation and destruction, supply and demand, distribution and development, environmental impacts, and economic justice are addressed. Theoretical models are used to interpret past and current situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3305. Climatology.
Introduction to the elements of climate and their use in environmental monitoring and analysis. Prerequisite: GEO 2410 or [GEO 1305 and MATH 1315] either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3307. Geography of Europe.
The course presents a systematic and regional investigation of the physical and cultural processes and phenomena that have created the characteristic landscapes of Europe. Topics include the climate, landform regions, trade, transportation, urban growth, population change, and the evolution of economic integration in the region. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 3308. Latin America.
A regional survey of the physical and cultural geography of Latin America. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 3309. United States and Canada.
This course provides a systematic and regional analysis of the United States and Canada with emphasis on contemporary economic, environmental, political, and social issues. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

GEO 3310. Urban Geography.
The study of city systems, form, and development with emphasis on functional patterns, economic base, industrial location, service, and social area analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3313. Natural Resource Use and Management.
This course uses environmental concepts at all geographic scales to identify and analyze patterns and processes of resource use, and discusses management strategies to solve present and future concerns related to natural resources. Prerequisite: GEO 2410 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3320. Community and Regional Planning.
This course examines the practice, history and development of community and regional planning in the U.S. focusing on specific methods and legal frameworks of community planning and cultivating sustainable development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 3321. Energy Resource Management.
An analysis of energy sources, their distribution and characteristics, and the problems associated with their use and management. (WI) Prerequisite: MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2328 or MATH 2417 or MATH 2471 any with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 3323. Location Analysis.
Location and movement stressed in terms of the factors considered in locating industry, business, housing, and community facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3328. Geography of North Africa and the Middle East.
A regional treatment dealing with the physical features and cultural activities of the people in North Africa and the Middle East. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 3329. Geography of Texas.
A physical and cultural geography of Texas with special emphasis on human resources and economic activities. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 3332. Geography of South and Southeast Asia.
This course is a systematic and regional overview of the physical and human geography of the countries of the Indian subcontinent and Southeast Asia. Topics include the monsoons, cultural diversity, rapid economic development, agricultural systems, and environmental problems. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

GEO 3333. Geography of China and Japan.
This course provides a regional overview of the physical and human geography of the countries of East Asia. This course also systematically examines China, Korea, and Japan by closely examining such topics as the impacts of high population densities and intensive land use practices. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

GEO 3335. Oceanography.
An introductory course about the physical, chemical, geologic, and biologic characteristics of the oceans and coastal areas. Emphasis will be placed on the role of the oceans as a component of the global environment. Prerequisite: BIO 1320 or BIO 1330 or GEO 2410 or GEOL 1410 any with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3340. Political Geography.
Political geography concerns the interrelationship between political activities and spatial distributions. Topics include the concept of the state, international spheres of influence and confrontation, boundaries, contemporary world issues and problems, and geographic aspects of electoral politics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3349. Population Geography.
An in-depth study of the spatial distribution and movement of human populations. The course will emphasize current issues and analytical techniques. Topics will include the impact of population growth, spatial diffusion processes, migration trends and theories, explanation of regional demographic differences, and techniques such as population projections. Prerequisite: MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2328 or MATH 2417 or MATH 2471 any with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3351. Geography of Health.
This course introduces concepts of health, health care, disease, and illness from a geographical perspective. The course will examine how people and societies interact geographically with the environment in ways that result in varying degrees of health. The focus will be on understanding health of populations in a geographic context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3353. American Ethnic Geography.
A geographical analysis of ethnic groups in the United States with emphasis on their settlement patterns, spatial interactions, and current problems. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

GEO 3411. Maps and Mapmaking.
An introduction to reference and thematic map use and design. The course introduces basic cartographic mapping techniques for quantitative and qualitative data, teaches about geospatial analysis and interpretation, and enables students to design basic maps. Prerequisite: GEO 2426 with a grade of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 3416. Principles of Remote Sensing.
Introduction to the acquisition, mensuration, interpretation, and mapping of aerial photographs and satellite images for environmental monitoring and inventorying. Prerequisite: GEO 2410 with a grade of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 3425. Geomorphology.
This course in Geomorphology investigates linkages between landscape forms and processes with emphasis on weathering, fluvial, aeolian, karst, and coastal processes. There will be various activities, including fieldwork, where students will demonstrate their grasp on fundamental processes in geomorphology. Prerequisite: GEO 2410 or GEOL 1410 either with a grade of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3426. Advanced GIS.
This course builds on the principles introduced in GEO 2426 and presents an in-depth examination of the technical aspects involved in spatial data handling, analysis, and modeling. Prerequisite: GEO 2426 and GEO 3301 both with grades of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 3434. Water Resources.
This course analyzes within a geographical perspective, the formation, use, conservation, and management of water resources. The students will develop a working knowledge of the hydrologic, water quality, legal, economic, political, and societal factors that determine water availability, hazards, use, demand, and allocation. Prerequisite: GEO 2410 or [CHEM 1141 and CHEM 1341] either with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 4190. Independent Study.
Individual study under direct supervision of a professor. May involve field trips. This course may be repeated for credit, but a student may not exceed six hours of credit in Independent Study.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 4290. Independent Study.
Individual study under direct supervision of a professor. May involve field trips. This course may be repeated for credit, but a student may not exceed six hours of credit in Independent Study.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 4306. Geography of the Southwest.
Though primarily defined by aridity, the southwestern United States is extremely diverse in its environments and its people. This course explores how people have related to this land. This course also examines current issues and future trends in natural resources and cultural processes in the region. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 4309. Cultural and Political Ecology.
This course examines cultural and political ecology, which employs concepts of culture formation/change and biological ecology to understand processes of adaptation and the influences of social/political power. It provides a holistic means to interpret pre-modern, non-western, and agrarian cultures as well as modern cultures as relates to their biophysical environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 4310. Regional Field Studies.
Observation, description, and analysis of a geographical environment based upon offcampus study in that environment. May be repeated once, provided the second study is in a different region, for a total of 6 semester hours. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

GEO 4313. Environmental Management.
This course provides an analysis of the causes of environmental problems, from local to global scale, and the evaluation of attempts at management and solutions of those problems. Emphasis will be placed on the role that geography can play in environmental degradation and management. Prerequisite: GEO 2410 and [GEO 3313 or GEO 3321 or GEO 3434 or GEO 4350 or GEO 4352] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 4314. River Basin Management.
The purpose of this course is to study principles and practices of large-scale river basin management. Emphasis is on integrated management of land and water resources, including economic development and environmental protection issues. (WI) Prerequisite: GEO 3434 or GEO 4325 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 4316. Landscape Biogeography.
Investigation of present-day and post-Pleistocene spatial patterns of plants, animals, and biogeograpical processes. Human interactions with biogeographical patterns is also addressed, as are methods for reconstructing Holocene patterns of biogeographic distribution. Course to be taught over every other year. Prerequisite: GEO 2410 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4321. Cities and Urban Design.
This course explores the interplay of intentional and natural processes shaping urban landscapes. It provides an introduction to the roles of spatial thinking and collaborative decision-making in urban planning and design. Prerequisite: GEO 3310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4322. Interpretive Environmental Geography.
Students learn principles, themes, and techniques for effective interpretation of environmental information to audiences ranging from park visitors to professional conferences. Interpretive themes are drawn from geographic concepts including the physical and cultural landscapes and cultural ecology. Techniques emphasize effective use of traditional and digital presentation methods. (WI) Prerequisite: GEO 2410 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 4323. Conservation Leadership.
This course offers an in-depth introduction to the conservation movement and the philosophy, establishment, and operation of institutions engaged in that movement. Problems and attributes of leadership will be emphasized along with the operational implications, ethical issues and other considerations for successful implementation at non-governmental, local, state, and federal levels.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4325. Fluvial Processes.
Students analyze modern principles of river processes and forms within a geographical perspective. This course examines the fundamental mechanics of fluvial channels with an emphasis on quantitative geographic evaluation of their processes. The course emphasizes natural scientific perspectives and includes linkages to ecology, engineering, resources management, and policy. Prerequisite: GEO 3425 or GEO 3434 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4326. Parks and Protected Places.
This course serves as an in-depth introduction to the philosophy, establishment, and operation of Public Parks, Wildlife Refuges, Protected Areas, Non-Governmental Preserves and Historic Sites. Students will be introduced to the scientific and policy rationale for the creation of such areas as well as methods of classification and acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4328. Geography of the Russian Realm.
This course presents a regional and systematic overview of the physical and human geography of the countries of the former Soviet Union. The course examines in depth issues such as the legacy of the degraded landscape and environmental problems left by decades of Soviet industrialization. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

GEO 4334. Groundwater Resources.
This course examines, within a geographical perspective, the major concepts and principles that control groundwater availability and use. Students will analyze aquifer characteristics that determine water quantity and quality. Constraints on aquifer use including environmental, economic, societal, and legal factors will be analyzed for optimizing aquifer management and water-use policy. Prerequisite: GEO 3434 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4335. Directed Research.
This course allows students to pursue advanced geographic research not offered in the present curriculum. Permission and project approval must be obtained from the supervising faculty member prior to registration. This course may be repeated for credit, but a student may not exceed six hours of credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 4336. Transportation Systems.
This course is an examination of the evolution of urban transportation systems, policies, institutions, and methods in the United States. Principles, procedures, and techniques of transportation planning in the State of Texas are covered and students are introduced to the literature in transportation geography and methods of transportation analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4338. Planning Practicum.
This capstone course focuses on methods and procedures used for planning and managing urban development on the local level. Topics include municipal ordinances, the development/redevelopment process and relationships between development, capital improvements and the local economy. Prerequisite: GEO 3320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4339. Environmental Hazards.
Analysis of environmental hazards with respect to human use of the land. Includes geologic hazards and problems caused by floods and meteorological conditions. Prerequisite: GEO 2410 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4340. Fundamental Themes in Geography.
Students will become familiar with the K-12 Geography Texas Essential Knowledge and Skills (TEKS) and the national geography content standards, identify instructional resources and materials, design instructional units, and fully develop grade level appropriate inquiry based lessons and student assessments. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 4341. Water Policy.
This course covers the evolution of water policy from the awareness of issues, through the political and legal process, to the implementation of specific plans, programs, and facilities. Prerequisite: GEO 3434 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4350. Solid Waste Planning and Management.
A survey of the methods of solid waste disposal including waste storage, collection, transportation and disposal, and their short-and long-range effects on the environment. A practical course in the planning, implementation, and management of alternate methods of sanitary waste disposal. Prerequisite: GEO 2410 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4352. Air Quality Management.
This course provides an assessment and analysis of air quality including types, sources, and effects of air pollutants as well as principles governing their dispersal and mangagement. These aspects are analyzed considering physical science, economic, legal and social factors. Prerequisite: [CHEM 1141 and CHEM 1341] or GEO 2410 or GEO 3305 any with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4355. Geography of Crime.
This course provides understanding of geographical aspects of crime and criminal behavior. Students are exposed to theories and analysis methods and models explaining and predicting crime spatial patterns. Computer exercises give students hands on experience on crime pattern analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4356. Urban Infrastructure Management.
This course examines life-cycle management of technology-enhanced urban infrastructure. Buildings, transportation systems, water and waste treatment facilities, and energy and communication grids are considered. Sensor data and other factors are analyzed to establish repair and rehabilitation strategies to improve an asset's functionality, safety, and economic value. Prerequisite: CE 3360 or GEO 3426 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 4380. Internship in Geography.
On-the-job training in a public or private-sector agency. Students must apply to the department internship director at least six weeks prior to registering for the internship course. This course may be repeated one time for additional internship credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 4390. Independent Study.
Individual study under direct supervision of a professor. May involve field trips. This course may be repeated for credit, but a student may not exceed six hours of credit in Independent Study.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 4393A. Environmental Compliance.
This course examines the implementation and enforcement of environmental statutes and regulations from a geographic perspective that includes physical environmental, cultural, social, economic, and legal parameters. The course focuses on current environmental requirements as applied to contemporary regulatory challenges including widely applicable innovative compliance strategies. Prerequisite: GEO 3321 or GEO 3434 or GEO 4350 or GEO 4352 any with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 4393B. Business Geography.
This course provides an exploration of the geospatial analysis of business activities in the United States with emphasis on site location, market segmentation and material/product tracking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 4393C. Introduction to GeoProgramming.
This course aims to develop advanced GIS concepts, techniques, analytical skills (e.g. spatial data manipulation), and provide hands-on experience with geoprogramming in GIS software programs. The emphasis will focus on the application of basic programming skills to solve real-world GIS problems. Prerequisite: GEO 3426 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 4393D. Geography of Food and Agriculture.
Critical evaluation of local and global food systems considering the implications of varying forms of production and consumption. Exploration of topics related to sociocultural, economic, and environmental landscape change as well as the role of agriculture in both rural and urban places, and sustainability writ large.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

GEO 4393E. Race, Class, and the American City.
This course examines historical and contemporary intersections of race and class as they have been shaped by and continue to influence urbanization in the United States while emphasizing geographical understandings of space and place. Topics include segregation, immigration, civil rights, housing, crime, race and the environment, community development, and cultural.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 4393F. Geographies of the Holocaust and Genocide.
This course examines the Holocaust as a complex historical event and frames the Holocaust in the context of, and in comparison to, other genocides. The course is explicitly geographical in methods and subject matter, focusing on how the Holocaust and genocide are planned, implemented, and experienced differently in different places.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 4411. Advanced Cartographic Design.
This advanced course in cartography focuses on thematic map design. The objective is to produce a cartographic portfolio of well-designed, professional grade maps. Theoretical concepts and principles will be introduced using practical examples and written assignments. Prerequisite: GEO 3411 with a grade of “C” or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 4412. Digital Remote Sensing.
Introduction to the digital image processing of satellite scenes including restoration, enhancement, classification, change detection, and mapping for environmental monitoring and inventorying. (WI) Prerequisites: GEO 3301 and GEO 3416 both with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

GEO 4417. Digital Terrain Modeling.
The course focuses on the mapping, transformation, mensuration, visualization, and applications of digital elevation models in Geography. Prerequisite: GEO 2426 and GEO 3416 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 4422. Web Mapping.
The course introduces students to modern interactive and dynamic mapping and GIS techniques that allow internet-based cartographic representations of temporal and non-temporal geospatial objects and phenomena. Prerequisite: GEO 3411 with a grade of “C” or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 4424. GPS and GIS.
Students will learn to plan and conduct fieldwork using Global Positioning System (GPS) to differentially correct GPS data, and to build Geographic Information Systems (GIS) applications using GPS technology. The course is project-based and involves working with external client(s). Prerequisites: GEO 3411 or GEO 3426 either with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4427. GIS Design and Implementation.
This course involves students working as a team on a substantive GIS project, which is designed and conducted by the class. Students will develop and demonstrate competence in GIS techniques at the professional level. Prerequisite: GEO 3426 with a grade of “C” or better and instructor approval.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 4430. Field Methods.
Methods and techniques for observing, measuring, recording, and reporting on geographic phenomena are investigated in this course. Students will learn the use of instruments and materials in the collection of data for mapping and field research in the local area. (WI) Prerequisites: GEO 2410 and GEO 3301 both with grades of “C” or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

Courses in Geology (GEOL)

GEOL 1410. Physical Geology.
The study of materials making up the Earth, the processes that act upon them, and the results of these processes; the development of tools for the interpretation of earth's history and structure, and the major geologic concepts.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: GEOL 1403

GEOL 1420. Historical Geology.
A continuation of physical geology leading to consideration of the geologic history of the Earth (with special emphasis on North America), the evolution of life, the continents through geologic time and the principles and procedures used in the interpretation of earth history. Prerequisite: GEOL 1410 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: GEOL 1404

GEOL 3410. Sedimentation and Stratigraphy.
This course will allow students to study the principles of weathering, transportation, deposition, and lithification of sediments. Primary structures and textures of sediments are used to determine environments of deposition. Students will identify the recognition and classification of strata into stratigraphic units. Prerequisite: GEOL 3450 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEOL 3430. Structural Geology.
This course examines the description, classification, and origin of Earth structures and the stresses involved in their formation. Students will explore solutions of structural geology problems using analytical geometry, geologic maps, contouring of data, and preparation of cross sections. Prerequisites: GEOL 1420 and [MATH 1317 or MATH 2321 or MATH 2417] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEOL 3440. Paleontology and Biostratigraphy.
Identification of ancient invertebrate faunas and their applications in reconstruction of paleoenvironments, paleogeography, and the means by which "time" correlations can be effected in sedimentary strata. Field intensive course, 1 full day in the field per week. Course will be offered alternating summers. Prerequisites: GEOL 1420 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEOL 3450. Earth Materials.
This course provides an introduction to crystal chemistry, physical properties, and identification of major rock-forming minerals, sedimentary, igneous, and metamorphic rocks. It brings together wide-ranging fundamental and key concepts in mineralogy and petrology to understand rocks and minerals and how they relate to the broader Earth, materials and environmental sciences. Prerequisite: GEOL 1420 and [MATH 1317 or MATH 2321 or MATH 2417] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

GEOL 4121. Directed Study.
Independent study of a particular subject area in geology. Specific topic to be discussed and agreed upon prior to registration. May be repeated once with different emphasis and professor for additional credit. Prerequisite: GEOL 1420 with a grade of "C" or better and instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEOL 4320. Topics in Field Geology.
This course provides on-site directed investigations of geology in locations remote from campus. Prerequisite: GEOL 1420 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

GEOL 4321. Directed Study.
This course is designed to provide a student with an opportunity to conduct independent research for credit in consultation with his or her Geology instructors. The course may be repeated once with a different content or instructor. Prerequisite: GEOL 1420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEOL 4330A. Introduction to Petroleum Geology.
This course discusses the origin and distribution of conventional and unconventional petroleum resources, source rocks, types of traps and seals, reservoir rock properties, exploration methods (seismic data analysis and interpretation, formation evaluation, subsurface mapping), reservoir characterization and modeling, reserves calculations. Prerequisite: GEOL 1420 with a grade of "C" or better. Corequisite: GEOL 4121 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEOL 4330B. Planetary Geology.
This course is a survey of the application of geologic principles to the rocky planets and satellites in the solar system. Prerequisite: GEOL 1420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEOL 4330C. Survey of Economic Mineral Deposits.
This is a survey of the geology of economic resource derived from the Earth including metals, nonmetals, energy related resources and ground water. Topics include genesis of economic deposits, methods of prospecting, methods of extraction, refining, and environmental impact. Prerequisite: GEOL 3450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEOL 4330D. Tectonics and Geology of the USA.
Study of the geology of the USA from the tectonic point of view. The different tectonic processes including continental extension and formation of an ocean, convergence and mountain building, volcanism and seismic activity will be studied and illustrated using mostly examples based on the geology of the USA. Prerequisite: GEOL 1420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEOL 4421. Hydrogeology.
This course will provide the student with an introduction to the science of hydrogeology, a conceptual and quantitative understanding of groundwater from a geological/mathematical/geochemical perspective, and experience with hydrogeology applications. Prerequisites: GEOL 1420 and [MATH 1317 or MATH 2321 or MATH 2417] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

Courses in Nature and Heritage and Tourism (NHT)

NHT 4301. Planning and Development of Nature and Heritage Tourism.
This course applies basic planning and development principles to the special issues of nature and heritage tourism. Particular emphasis is placed on locational analysis, site analysis, and planning for sustainable use. Prerequisite: GEO 2410 with a grade of “C” or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NHT 4302. Internship in Nature and Heritage Tourism.
Students will work in private or public sector settings to gain practical experience in the planning, development and management of nature and/or heritage tourism. Internships must be approved by the director of the Center for Nature and Heritage Tourism. Students will be expected to perform at high professional standards and will interpret the internship experience within the context of current literature. Prerequisite: NHT 4301 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in Geography

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. This major requires students to select a minor area of study from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors) offered at Texas State. Biology, Chemistry, Geology, Anthropology, Computer Science, Mathematics, Plant and Soil Science, or Physics are minors that are highly recommended to complement your Geography major. Other minors may be appropriate depending upon your interests and career goals. Discuss other possible options with your academic advisor.
4. To satisfy graduation requirements, students must have at least a 2.50 Geography major GPA and at least a 2.25 Texas State GPA. Students must make a grade of "C" or better in all Geography courses that are to be counted for credit toward their major.
5. Students must complete at least 30 hours of Geography coursework including a Geography Techniques Course to be selected from: GEO 2426, GEO 3411, GEO 3416, or GEO 4430.
6. Geography required elective courses (16 hours) are to be selected in consultation with your academic advisor.
7. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
8. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
9. Nine semester credit hours of writing intensive (WI) courses are required.

Course Requirements

				Freshman
First Semester	**Hours**		**Second Semester**	**Hours**
ENG 1310 (Communication Component Code 010)	3		HIST 1310 (American History Component Code 060)	3
US 1100	1		ENG 1320 (Communication Component Code 010)	3
GEO 1309 or 1310	3		GEO 2410 (BA Science)	4
POSI 2310 (Government/Political Science Component Code 070)	3		Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3			

Mathematics Component Code 020	3		
	16		13

Sophomore

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
GEO 3301	3	BA ENG Literature	3
ENG Literature (Component Area Option Code 090/094)	3	Modern Language 1420[1]	4
Modern Language 1410[1]	4	GEO Techniques Select one of the following:	4
HIST 1320 (American History Component Code 060)	3	GEO 2426	
		GEO 3411	
		GEO 3416	
		GEO 4430	
		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	16		17

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	GEO Advanced Electives	7
Social & Behavioral Sciences Component Code 080	3	Minor	6
GEO Advanced Electives	3	Modern Language 2320[1]	3
Minor	3-4		
Modern Language 2310[1]	3		
	15-16		16

Senior

First Semester	Hours	Second Semester	Hours
GEO Advanced Electives	6	Free Electives (as needed)	6
Free Electives (as needed)	6	Minor	6
Minor	3		
	15		12

Total Hours: 120-121

[1] Students must complete 6 hours of the same modern language (2310 and 2320). Most students complete 1410 and 1420 as prerequisites before attempting 2310.

Bachelor of Science (B.S.) Major in Geographic Information Science

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. This major requires students to select a minor area of study from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors) offered at Texas State. Various minors may be appropriate depending upon your interests and career goals. Discuss other possible options with your academic advisor.
3. This major requires a minimum of 36 semester credit hours of Geography courses.
4. To satisfy graduation requirements, students must have at least a 2.50 major GPA for Geography and at least a 2.25 TXST GPA. Students must make a grade of "C" or better in all Geography courses that are to be counted for credit toward their major.
5. Required major courses include the following:

Code	Title	Hours
GEO 1309	Introduction to Cultural Geography	3
or GEO 1310	World Geography	
GEO 2410	Introduction to Physical Geography	4
GEO 2426	Fundamentals of Geographic Information Systems	4
GEO 3301	Research Methods in Geography	3

6. Required Geography core courses include the following:

Code	Title	Hours
GEO 3411	Maps and Mapmaking	4
GEO 3416	Principles of Remote Sensing	4
GEO 3426	Advanced GIS	4

7. Required Geography capstone includes at least one course from (4-10 hours) from the following:

Code	Title	Hours
GEO 4411	Advanced Cartographic Design	4
GEO 4412	Digital Remote Sensing	4
GEO 4422	Web Mapping	4
GEO 4424	GPS and GIS	4
GEO 4427	GIS Design and Implementation	4

8. Geography electives to bring the required Geography hours to 36 should be selected in consultation with an advisor from the following courses:

Code	Title	Hours
GEO 1305	Meteorology	3
GEO 1309	Introduction to Cultural Geography	3
GEO 1310	World Geography	3
GEO 2310	Introduction to Environmental Geography	3

GEO 2420	Introduction to Geographic Information Techniques	4
GEO 2427	Management and Implementation of GIS	4
Any 3000/4000 level course		

9. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
10. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
11. Nine semester credit hours must be writing intensive (WI).

Course Requirements

				Freshman
First Semester	**Hours**		**Second Semester**	**Hours**
ENG 1310 (Communication Component Code 010)	3		HIST 1310 (American History Component Code 060)	3
US 1100	1		ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3		Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3		GEO 2410	4
GEO 1309 or 1310	3			
Mathematics Component Code 020	3			
	16			13
				Sophomore
First Semester	**Hours**		**Second Semester**	**Hours**
COMM 1310 (Component Area Option Code 090/091)	3		POSI 2320 (Government/ Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3		ENG Literature Select one of the following:	3
Modern Language 1410 (if required), or elective	4		ENG 2310	
HIST 1320 (American History Component Code 060)	3		ENG 2320	
GEO 3301	3		ENG 2330	
			ENG 2340	
			ENG 2359	
			ENG 2360	
			Modern Language 1420 (if required, or elective)	4
			PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
			GEO Advanced Required/ Elective	3
	16			16
				Junior
First Semester	**Hours**		**Second Semester**	**Hours**
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		Minor	6
Social & Behavioral Sciences Component Code 080	3		Free Elective (as needed)	3
GEO Advanced Required/ Electives	7		GEO Advanced Required/ Electives	7
Choose one of the following:	3			
CS 1308				
CIS 1323				
MATH 1317				
MATH 2321				
MATH 2417				
	16			16
				Senior
First Semester	**Hours**		**Second Semester**	**Hours**
Minor	6		Minor	6
Free Electives (as needed)	3		Free Elective (as needed)	3
GEO Advanced Required/ Electives	6		GEO Advanced Required/ Elective	3
	15			12

Total Hours: 120

Bachelor of Science (B.S.) Major in Geography

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. This major requires students to select a minor area of study from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors) offered at Texas State. Biology, Chemistry, Geology, Anthropology, Computer Science, Mathematics, Plant and Soil Science, or Physics are minors that are highly recommended to complement your Geography major. Other minors may be appropriate depending upon your interests and career goals. Discuss other possible options with your academic advisor.
3. To satisfy graduation requirements, students must have at least a 2.50 Geography major GPA and at least a 2.25 Texas State GPA. Students must make a grade of "C" or better in all Geography courses that are to be counted for credit toward their major.
4. Geography required elective courses (22 hours) are to be selected in consultation with your academic advisor.
5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete

depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

7. Nine semester credit hours must be writing intensive (WI).

Course Requirements

				Freshman
First Semester	**Hours**		**Second Semester**	**Hours**
ENG 1310 (Communication Component Code 010)	3		HIST 1310 (American History Component Code 060)	3
US 1100	1		ENG 1320 (Communication Component Code 010)	3
GEO 1309 or 1310	3		GEO 2410	4
POSI 2310 (Government/ Political Science Component Code 070)	3		Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3			
Mathematics Component Code 020	3			
	16			13
				Sophomore
First Semester	**Hours**		**Second Semester**	**Hours**
COMM 1310 (Component Area Option Code 090/091)	3		POSI 2320 (Government/ Political Science Component Code 070)	3
GEO 3301	3		ENG literature Select one of the following:	3
ENG Literature (Component Area Option Code 090/094)	3		ENG 2310	
Modern Language 1410 (if required), or elective	4		ENG 2320	
HIST 1320 (American History Component Code 060)	3		ENG 2330	
			ENG 2340	
			ENG 2359	
			ENG 2360	
			Modern Language 1420 (if required), or elective	4
			GEO 2426	4
			PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	16			17
				Junior
First Semester	**Hours**		**Second Semester**	**Hours**
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		GEO Advanced Required/ Electives	7
Social & Behavioral Sciences Component Code 080	3		Minor	6
GEO Advanced Required/ Electives	6		Free Elective (as needed)	3
Minor	3			
	15			16
				Senior
First Semester	**Hours**		**Second Semester**	**Hours**
GEO Advanced Required/ Electives	6		Free Elective (as needed)	3
Minor	3		Minor	6
Free Electives (as needed)	6		GEO Advanced Required/ Elective	3
	15			12

Total Hours: 120

Bachelor of Science (B.S.) Major in Geography (Teacher Certification in Social Studies, Grades 7-12: History Minor and Political Science Third Field)

Minimum required: 130 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA, at least a 2.50 major GPA for Geography, at least a 2.50 GPA in the professional sequence, and a 2.50 GPA in the second and third teaching fields. In addition, students must make a "C" or higher in certain Core classes and in all coursework pertaining to each teaching field.
3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. The minimum number of hours required for this degree program is 130. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 130 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. This degree plan is designed to prepare students for secondary teacher certification in the social studies disciplines: Economics, Geography, Government, and History. The Social Studies Composite with a Geography major, History minor, and Political Science third field requires the following 36 hours of Geography courses:

Code	Title	Hours
GEO 1309	Introduction to Cultural Geography	3
GEO 1310	World Geography	3
GEO 2410	Introduction to Physical Geography	4

GEO 2426	Fundamentals of Geographic Information Systems	4
GEO 3301	Research Methods in Geography	3
GEO 3303	Economic Geography	3
GEO 3309	United States and Canada	3
GEO 3313	Natural Resource Use and Management	3
or GEO 4313	Environmental Management	
GEO 3329	Geography of Texas	3
GEO 4340	Fundamental Themes in Geography	3
Select one additional techniques course from:		4
GEO 3411	Maps and Mapmaking	
GEO 3416	Principles of Remote Sensing	
GEO 3426	Advanced GIS	
GEO 4430	Field Methods	
OR two additional courses from (consult with your advisor):		
GEO 3307	Geography of Europe	
GEO 3308	Latin America	
GEO 3328	Geography of North Africa and the Middle East	
GEO 3332	Geography of South and Southeast Asia	
GEO 3333	Geography of China and Japan	
GEO 4306	Geography of the Southwest	
GEO 4328	Geography of the Russian Realm	
Total Hours		36

7. The minor in History requires the following 24 hours of History courses:

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
HIST 1320	History of the United States, 1877 to Date	3
HIST 2311	History of World Civilization to the 17th Century	3
HIST 2312	History of World Civilization from the 17th Century	3
Advanced Group A (World History)		3
Advanced Group B (European History)		3
HIST 3372	Texas History: A Survey	3
HIST 4300	Social Studies Resources and Practices	3
Total Hours		24

8. The third field in Political Science requires the following 15 hours of Political Science courses:

Code	Title	Hours
POSI 2310	Principles of American Government	3
POSI 2320	Functions of American Government	3
Group 3 (Public Law)		
Select one of the following:		3
PS 3332	Constitutional Law: Basic Structures and Principles	
PS 3333	Constitutional Law: Individual Liberties	
PS 3331	The Supreme Court and the Judicial Process	
Political Science from Group 2 (American Government)		6
Total Hours		15

9. In addition to the major, minor, and third field requirements, students must also complete 21 hours of professional sequence courses through the College of Education. All coursework must be completed prior to EDST 4681.
10. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Governmen Political Science Component Code 070)	3	ENG 1320 (Communica Component Code 010)	3
Life & Physical Sciences Component Code 030	3	Life & Physical Sciences Component Code 030	3
GEO 1309	3	GEO 1310	3
Mathematics Component Code 020	3	GEO 2410	4
US 1100	1		
	16		16

Sophomore

First Semester	Hours	Second Semester	Hours
ENG Literature (Component Area Option Code 090/094)	3	ENG 3303	3
Modern Language 1410 (if required)	0-4	Modern Language 1410 (if required)	0-4
HIST 1320 (American History Component Code 060)	3	HIST 2311	3

PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	GEO Advanced Required/ Electives	6		
POSI 2320 (Government/ Political Science Component Code 070)	3	COMM 1310 (Component Area Option Code 090/091)	3		
GEO 3301	3				
	15		15		

Junior

First Semester	Hours	Second Semester	Hours		
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	GEO Advanced Required/ Electives	7		
ECO 2301 or 2314 (Social & Behavioral Component Code 080)	3	History Advanced Group Electives	3		
HIST 2312	3	POSI Advanced Group Electives	6		
GEO 2426	4				
GEO Advanced Required/ Electives	3				
	16		16		

Senior

First Semester	Hours	Second Semester	Hours	Third Semester	Hours
HIST 3372	3	CI 4332	3	EDST 4681	6
History Advanced Group Electives	3	HIST 4300	3		
POSI Advanced Group Electives	3	Education Block:	9		
CI 3325	3	CI 4370			
GEO Advanced Required/ Electives	3	CI 4343			
		RDG 332			
	15		15		6

Total Hours: 130

Bachelor of Science (B.S.) Major in Geography (Teacher Certification in Social Studies, Grades 7-12: Political Science Minor and History Third Field)

Minimum required: 130 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA, at least a 2.50 major GPA for Geography, at least a 2.50 GPA in the professional sequence, and a 2.50 GPA in the second and third teaching fields. In addition, students must make a "C" or higher in certain Core classes and in all coursework pertaining to each teaching field.
3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. The minimum number of hours required for this degree program is 130. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 130 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. This degree plan is designed to prepare students for secondary teacher certification in the social studies disciplines: Economics, Geography, Government, and History. The Social Studies Composite with a Geography major, Political Science minor, and History third field requires the following 36 hours of Geography courses:

Code	Title	Hours
GEO 1309	Introduction to Cultural Geography	3
GEO 1310	World Geography	3
GEO 2410	Introduction to Physical Geography	4
GEO 2426	Fundamentals of Geographic Information Systems	4
GEO 3301	Research Methods in Geography	3
GEO 3303	Economic Geography	3
GEO 3309	United States and Canada	3

GEO 3313	Natural Resource Use and Management	3
or GEO 4313	Environmental Management	
GEO 3329	Geography of Texas	3
GEO 4340	Fundamental Themes in Geography	3
Select one additional techniques course from:		4
GEO 3411	Maps and Mapmaking	
GEO 3416	Principles of Remote Sensing	
GEO 3426	Advanced GIS	
GEO 4430	Field Methods	
OR two additional courses from (consult with your advisor):		
GEO 3307	Geography of Europe	
GEO 3308	Latin America	
GEO 3328	Geography of North Africa and the Middle East	
GEO 3332	Geography of South and Southeast Asia	
GEO 3333	Geography of China and Japan	
GEO 4306	Geography of the Southwest	
GEO 4328	Geography of the Russian Realm	
Total Hours		36

7. The minor in Political Science requires the following 21 hours of Political Science courses:

Code	Title	Hours
PS 3300	Basic Political Ideas	3
or PS 3301	Basic Political Institutions	
POSI 2310	Principles of American Government	3
POSI 2320	Functions of American Government	3
Group 2 (American Government)		6
Group 3 (Public Law)		3
Select three hours from the following:		3
PS 3332	Constitutional Law: Basic Structures and Principles	
PS 3333	Constitutional Law: Individual Liberties	
PS 3331	The Supreme Court and the Judicial Process	
PS 4398	Practicum in Political Science: Concepts, Resources, and Applications in the Study of Politics	
Total Hours		21

8. The third field in History requires the following 18 hours of History courses:

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
HIST 1320	History of the United States, 1877 to Date	3
HIST 2311	History of World Civilization to the 17th Century	3
HIST 2312	History of World Civilization from the 17th Century	3
HIST 3372	Texas History: A Survey	3
HIST 4300	Social Studies Resources and Practices	3
Total Hours		18

9. In addition to the major, minor, and third field requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to EDST 4681.
10. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Governmen Political Science Component Code 070)	3	ENG 1320 (Communica Component Code 010)	3
Mathematics Component Code 020	3	Life & Physical Sciences Component Code 030	3
GEO 1309	3	GEO 1310	3
US 1100	1	GEO 2410	4
Life & Physical Sciences Component Code 030	3		
	16		16

Sophomore

First Semester	Hours	Second Semester	Hours
ENG Literature (Component Area Option Code 090/094)	3	ENG 3303	3
Modern Language 1410 (if required)	0-4	Modern Language 1420 (if required)	0-4
HIST 1320 (American History Component Code 060)	3	HIST 2311	3

PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	GEO Advanced Required/ Electives	6
POSI 2320 (Government/ Political Science Component Code 070)	3	COMM 1310 (Component Area Option Code 090/091)	3
GEO 3301	3		
	15		15

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	GEO Advanced Required/ Electives	6
ECO 2301 or 2314 (Social & Behavioral Sciences Component Code 080)	3	HIST 3372	3
HIST 2312	3	PS 3300 or 3301	3
GEO 2426	4	POSI Advanced Group Electives	3
POSI Advanced Group Electives	3		
	16		15

Senior

First Semester	Hours	Second Semester	Hours	Third Semester	Hours
GEO Advanced Required/ Electives	7	CI 4332	3	EDST 4681	6
PS 4398	3	HIST 4300	3		
POSI Advanced Group Electives	3	Education Block:	9		
CI 3325	3	CI 4370			
		CI 4343			
		RDG 332[illegible]			
	16		15		6

Total Hours: 130

Bachelor of Science (B.S.) Major in Geography Resource and Environmental Studies

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. This major requires students to select a minor area of study from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors) offered at Texas State. Biology, Chemistry, Geology, Anthropology, Computer Science, Mathematics, Plant and Soil Science, or Physics are minors that are highly recommended to complement your Geography major. Other minors may be appropriate depending upon your interests and career goals. Discuss other possible options with your academic advisor.
3. This major requires a minimum of 36 semester credit hours of Geography courses.
4. To satisfy graduation requirements, students must have at least a 2.50 major GPA for Geography and at least a 2.25 Texas State GPA. Students must make a grade of "C" or better in all Geography courses that are to be counted for credit toward their major.
5. Required major courses include the following:

Code	Title	Hours
GEO 1309	Introduction to Cultural Geography	3
or GEO 1310	World Geography	
GEO 2410	Introduction to Physical Geography	4
GEO 2426	Fundamentals of Geographic Information Systems	4
GEO 3301	Research Methods in Geography	3

6. Required Geography core courses include the following:

Code	Title	Hours
Select one of the following options:		3-6
Option A:		
GEO 2310 & GEO 3313	Introduction to Environmental Geography and Natural Resource Use and Management	
Option B:		
GEO 2310	Introduction to Environmental Geography	
or GEO 3313	Natural Resource Use and Management	
Select at least two of the following:		
GEO 3321	Energy Resource Management	
GEO 3434	Water Resources	
GEO 4350	Solid Waste Planning and Management	
GEO 4352	Air Quality Management	

7. Required Geography capstone is GEO 4313.
8. Required Geography techniques courses include at least one course from the following:

Code	Title	Hours
GEO 3411	Maps and Mapmaking	4
GEO 3416	Principles of Remote Sensing	4
GEO 4430	Field Methods	4

9. Geography electives to bring the required Geography hours to 36 should be selected in consultation with an advisor from the following courses:

Code	Title	Hours
GEO 1305	Meteorology	3
GEO 3134	Water Quality Monitoring and Management	1
GEO 3303	Economic Geography	3
GEO 3305	Climatology	3
GEO 3310	Urban Geography	3
GEO 3320	Community and Regional Planning	3
GEO 3335	Oceanography	3
GEO 3340	Political Geography	3
GEO 3349	Population Geography	3
GEO 3425	Geomorphology	4
GEO 3426	Advanced GIS	4
GEO 4309	Cultural and Political Ecology	3
GEO 4310	Regional Field Studies	3
GEO 4314	River Basin Management	3
GEO 4316	Landscape Biogeography	3
GEO 4322	Interpretive Environmental Geography	3
GEO 4325	Fluvial Processes	3
GEO 4326	Parks and Protected Places	3
GEO 4334	Groundwater Resources	3
GEO 4339	Environmental Hazards	3
GEO 4341	Water Policy	3
GEO 4380	Internship in Geography	3
GEO 4412	Digital Remote Sensing	4
Students may select one regional course as a Geography Elective from the following:		
GEO 3307	Geography of Europe	
GEO 3308	Latin America	
GEO 3309	United States and Canada	
GEO 3328	Geography of North Africa and the Middle East	
GEO 3329	Geography of Texas	
GEO 3332	Geography of South and Southeast Asia	
GEO 3333	Geography of China and Japan	
GEO 4306	Geography of the Southwest	
GEO 4328	Geography of the Russian Realm	

10. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
11. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
12. Nine semester credit hours must be writing intensive (WI).

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3	GEO 2410	4
GEO 1309 or 1310	3		
Mathematics Component Code 020	3		
	16		13

Sophomore

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3	ENG Literature Select one of the following:	3
Modern Language 1410 (if required), or elective	4	ENG 2310	
HIST 1320 (American History Component Code 060)	3	ENG 2320	
GEO 3301	3	ENG 2330	
		ENG 2340	
		ENG 2359	
		ENG 2360	
		Modern Language 1420 (if required), or elective	4
		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
		GEO Advanced Required/ Electives	3
	16		16

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	Minor	6
Social & Behavioral Sciences Component Code 080	3	Free Electives (as needed)	3
Minor	3	GEO Advanced Required/ Electives	7
GEO 2426	4		
GEO Advanced Required/ Electives	3		
	16		16

			Senior
First Semester	Hours	Second Semester	Hours
Minor	3	Minor	6
Free Electives (as needed)	6	Free Electives (as needed)	3
GEO Advanced Required/ Electives	6	GEO Advanced Required/ Electives	3
	15		12

Total Hours: 120

Bachelor of Science (B.S.) Major in Geography Urban and Regional Planning

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. This major requires students to select a minor area of study from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors) offered at Texas State. Students interested in entering the professional planning field are strongly advised to consider a minor in Public Administration, Business Administration, or Construction Science and Management. Other minors may be appropriate depending upon your interests and career goals. Discuss other possible options with your academic advisor.
3. This major requires a minimum of 36 semester credit hours of Geography courses.
4. To satisfy graduation requirements, students must have at least a 2.50 major GPA for Geography and at least a 2.25 Texas State GPA. Students must make a grade of "C" or better in all Geography courses that are to be counted for credit toward their major.
5. Required major courses include the following:

Code	Title	Hours
GEO 1309	Introduction to Cultural Geography	3
or GEO 1310	World Geography	
GEO 2410	Introduction to Physical Geography	4
GEO 2426	Fundamentals of Geographic Information Systems	4
GEO 3301	Research Methods in Geography	3

6. Required Geography core courses include the following:

Code	Title	Hours
GEO 3310	Urban Geography	3
GEO 3320	Community and Regional Planning	3
GEO 4321	Cities and Urban Design	3
GEO 4338	Planning Practicum	3

7. Required Geography techniques courses include at least one course from the following:

Code	Title	Hours
Select one of the following:		
GEO 3411	Maps and Mapmaking	
GEO 3416	Remote Sensing and Earth Observation	
GEO 3426	Advanced GIS	
GEO 4380	Internship in Geography	
GEO 4430	Field Methods	

8. This major also requires an additional three hours of ENG 3303 with a grade of "C" or higher.
9. Geography electives to bring the required Geography hours to 36 should be selected in consultation with an advisor from the following courses:

Code	Title	Hours
GEO 3303	Economic Geography	3
GEO 3313	Natural Resource Use and Management	3
GEO 3321	Energy Resource Management	3
GEO 3323	Location Analysis	3
GEO 3340	Political Geography	3
GEO 3349	World Population	3
GEO 3353	American Ethnic Geography	3
GEO 3426	Advanced GIS	4
GEO 3434	Water Resources	4
GEO 4310	Regional Field Studies	3
GEO 4313	Environmental Management	3
GEO 4314	River Basin Management	3
GEO 4326	Parks and Protected Places	3
GEO 4336	Transportation Systems	3
GEO 4339	Environmental Hazards	3
GEO 4341	Water Policy	3
GEO 4350	Solid Waste Planning and Management	3
GEO 4380	Internship in Geography	3
GEO 4430	Field Methods	4
Select a maximum of 3 credit hours from the following:		3
GEO 1305	Meteorology	
GEO 1309	Introduction to Cultural Geography	
GEO 1310	World Geography	
GEO 2310	Introduction to Environmental Geography	
Any 3000-4000 level course		
Students may select one regional course as a Geography Elective from the following:		
GEO 3307	Geography of Europe	
GEO 3308	Latin America	
GEO 3309	United States and Canada	
GEO 3328	Geography of North Africa and the Middle East	
GEO 3329	Geography of Texas	
GEO 3332	Geography of South and Southeast Asia	
GEO 3333	Geography of China and Japan	
GEO 4306	Geography of the Southwest	
GEO 4328	Geography of the Russian Realm	

10. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).

11. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
12. Nine semester credit hours must be writing intensive (WI).

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3	GEO 2410	4
GEO 1309 or 1310	3		
Mathematics Component Code 020	3		
	16		13

Sophomore

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3	ENG Literature Select one of the following:	3
Modern Language 1410 (if required), or elective	4	ENG 2310	
HIST 1320 (American History Component Code 060)	3	ENG 2320	
GEO 3301	3	ENG 2330	
		ENG 2340	
		ENG 2359	
		ENG 2360	
		Modern Language 1420 (if required), or elective	4
		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
		GEO 2426	4
	16		17

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	Minor	6
Social & Behavioral Sciences Component Code 080	3	Free Electives (as needed)	3
GEO Advanced Required/ Electives	6	GEO Advanced Required/ Electives	7
ENG 3303	3		
	15		16

Senior

First Semester	Hours	Second Semester	Hours
Minor	6	Minor	6
Free Electives (as needed)	3	Free Electives (as needed)	3
GEO Advanced Required/ Electives	6	GEO Advanced Required/ Electives	3
	15		12

Total Hours: 120

Bachelor of Science (B.S.) Major in Geography Water Resources

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. This major requires students to select a minor area of study from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors) offered at Texas State. Various minors may be appropriate depending upon your interests and career goals. Biology, Chemistry, Geology, Political Science, Anthropology, Business Administration, Plant and Soil Science, or Nature and Heritage Tourism are highly recommended. Discuss other possible options with your academic advisor.
3. This major requires a minimum of 36 semester credit hours of Geography courses.
4. To satisfy graduation requirements, students must have at least a 2.50 major GPA for Geography and at least a 2.25 Texas State GPA. Students must make a grade of "C" or better in all Geography courses that are to be counted for credit toward their major.
5. Required major courses include the following:

Code	Title	Hours
GEO 1309	Introduction to Cultural Geography	3
or GEO 1310	World Geography	
GEO 2410	Introduction to Physical Geography	4
GEO 2426	Fundamentals of Geographic Information Systems	4
GEO 3301	Research Methods in Geography	3

6. Required Geography core courses include the following:

Code	Title	Hours
GEO 3305	Climatology	3
GEO 3434	Water Resources	4
GEO 4314	River Basin Management	3
GEO 4325	Fluvial Processes	3
GEO 4334	Groundwater Resources	3

or GEOL 4421	Hydrogeology	
GEO 4341	Water Policy	3

7. Required Geography techniques courses include at least one course from the following:

Code	Title	Hours
GEO 3411	Maps and Mapmaking	4
GEO 3416	Principles of Remote Sensing	4
GEO 4430	Field Methods	4

8. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
9. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
10. Nine semester credit hours must be writing intensive (WI).

Course Requirements

			Freshman	
First Semester	**Hours**		**Second Semester**	**Hours**
ENG 1310 (Communication Component Code 010)	3		HIST 1310 (American History Component Code 060)	3
US 1100	1		ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3		Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3		GEO 2410	4
GEO 1309 or 1310	3			
Mathematics Component Code 020	3			
	16			13
			Sophomore	
First Semester	**Hours**		**Second Semester**	**Hours**
COMM 1310 (Component Area Option Code 090/091)	3		POSI 2320 (Government/ Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3		ENG Literature Select one of the following:	3
Modern Language 1410 (if required), or elective)	4		ENG 2310	
HIST 1320 (American History Component Code 060)	3		ENG 2320	
GEO 3301	3		ENG 2330	
			ENG 2340	
			ENG 2359	
			ENG 2360	
			Modern Language 1420 (if required), or elective)	4
			PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
			GEO 2426	4
	16			17
			Junior	
First Semester	**Hours**		**Second Semester**	**Hours**
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	Minor		6
Social & Behavioral Sciences Component Code 080	3	Free Electives (as needed)		3
Minor	3	GEO Advanced Required/ Electives		7
GEO Advanced Required/ Electives	6			
	15			16
			Senior	
First Semester	**Hours**		**Second Semester**	**Hours**
Minor	3	Minor		6
Free Electives (as needed)	6	Free Electives (as needed)		3
GEO Advanced Required/ Electives	6	GEO Advanced Required/ Electives		3
	15			12

Total Hours: 120

Bachelor of Science (B.S.) Major in Physical Geography

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. This major requires students to select a minor area of study from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors) offered at Texas State. Various minors may be appropriate depending upon your interests and career goals. Biology, Chemistry, Computer Science, Geology, Mathematics, or Physics minors are highly recommended. Other minors may be appropriate depending upon your interests and career goals. Discuss possible options with your advisor.
3. This major requires a minimum of 36 semester credit hours of Geography courses.
4. To satisfy graduation requirements, students must have at least a 2.50 major GPA for Geography and at least a 2.25 Texas State GPA. Students must make a grade of "C" or better in all Geography courses that are to be counted for credit toward their major.
5. Required major courses include the following:

Code	Title	Hours
GEO 1309	Introduction to Cultural Geography	3
or GEO 1310	World Geography	
GEO 2410	Introduction to Physical Geography	4
GEO 2426	Fundamentals of Geographic Information Systems	4
GEO 3301	Research Methods in Geography	3

6. Required Geography core courses include the following:

Code	Title	Hours
GEO 3305	Climatology	3
GEO 3425	Geomorphology	4
Select at least two courses from the following:		6
GEO 1305	Meteorology	
GEO 3335	Oceanography	
GEO 4316	Landscape Biogeography	

7. Required Geography techniques courses include at least two courses from the following:

Code	Title	Hours
GEO 3411	Maps and Mapmaking	4
GEO 3416	Principles of Remote Sensing	4
GEO 3426	Advanced GIS	4
GEO 4412	Digital Remote Sensing	4
GEO 4422	Web Mapping	4
GEO 4424	GPS and GIS	4
GEO 4430	Field Methods	4

8. Geography electives to bring the required Geography hours to 36 should be selected in consultation with an advisor from the following courses:

Code	Title	Hours
GEO 2310	Introduction to Environmental Geography	3
GEO 2420	Introduction to Geographic Information Techniques	4
GEO 2427	Management and Implementation of GIS	4
GEO 3321	Energy Resource Management	3
GEO 3434	Water Resources	4
GEO 3349	Population Geography	3
GEO 4310	Regional Field Studies	3
GEO 4313	Environmental Management	3
GEO 4314	River Basin Management	3
GEO 4325	Fluvial Processes	3
GEO 4334	Groundwater Resources	3
GEO 4339	Environmental Hazards	3
GEO 4350	Solid Waste Planning and Management	3
GEO 4380	Internship in Geography	3
Student may select one regional course as a Geography Elective from the following:		3
GEO 3307	Geography of Europe	
GEO 3308	Latin America	
GEO 3309	United States and Canada	
GEO 3328	Geography of North Africa and the Middle East	
GEO 3329	Geography of Texas	
GEO 3332	Geography of South and Southeast Asia	
GEO 3333	Geography of China and Japan	
GEO 4306	Geography of the Southwest	
GEO 4328	Geography of the Russian Realm	

9. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
10. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
11. Nine semester credit hours must be writing intensive (WI).

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3	GEO 2410	4
GEO 1309 or 1310	3		
Mathematics Component Code 020	3		
	16		13

Sophomore

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3	ENG Literature Select one of the following:	3
Modern Language 1410 (if required), or elective	4	ENG 2310	
HIST 1320 (American History Component Code 060)	3	ENG 2320	
GEO 3301	3	ENG 2330	
		ENG 2340	
		ENG 2359	
		ENG 2360	
		Modern Language 1420 (if required), or elective	4
		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
		GEO 2426	4
	16		17

			Junior
First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	Minor	6
Social & Behavioral Sciences Component Code 080	3	Electives (as needed)	3
Minor	3	GEO Advanced Required/ Electives	7
GEO Advanced Required/ Electives	6		
	15		16

			Senior
First Semester	Hours	Second Semester	Hours
Minor	6	Minor	3
Electives (as needed)	3	Electives (as needed)	6
GEO Advanced Required/ Electives	6	GEO Advanced Required/ Electives	3
	15		12

Total Hours: 120

Certificate in Environmental Interpretation

The Environmental Interpretation Certificate provides the recipient with a relevant background in environmental interpretation to prepare students to work as interpretive guides in park and other tourism venues and work in the professional areas of public information/education in resource management agencies.

Applicants to the Environmental Interpretation Certificate program are required to be a Texas State University Undergraduate degree seeking or post-baccalaureate student in good standing.

The certificate in Environmental Interpretation requires 16 semester credit hours. Students must complete the following courses with no grade less than a "C" and an overall average for the five classes of at least a 2.5.

Code	Title	Hours
GEO 2410	Introduction to Physical Geography	4
GEO 4322	Interpretive Environmental Geography	3
Select nine hours from the following:		9
GEO 3313	Natural Resource Use and Management	
GEO 4313	Environmental Management	
GEO 4316	Landscape Biogeography	
GEO 4309	Cultural and Political Ecology	
Total Hours		16

Certificate in Geographic Information Science

The Geographic Information Science Certificate provides the recipient with a working knowledge of Geographic Information Science (GISci) in sufficient detail that they are prepared for professional positions involving the theoretical and applied aspects of implementing and administering a Geographic Information Science.

To the prospective employer, the certificate is a professional endorsement that the recipient has received five university level courses on issues fundamental to the design, implementation, and management of Geographic Information Science. A formal certificate issued by the Texas State's College of Liberal Arts and a statement on the recipient's Texas State transcript recognize successful completion of the program.

Applicants to the Geographic Information Science Certificate program are required to be a Texas State University undergraduate degree seeking or post-baccalaureate student in good standing.

The certificate in Geographic Information Science requires 19-20 semester credit hours. Students must complete the following courses with no grade less than a "C" and an overall average for the five classes of at least a 2.5.

Code	Title	Hours
GEO 2426	Fundamentals of Geographic Information Systems	4
GEO 3426	Advanced GIS	4
Select three of the following:		11-12
GEO 3411	Maps and Mapmaking	
GEO 3416	Principles of Remote Sensing	
GEO 4411	Advanced Cartographic Design	
GEO 4412	Digital Remote Sensing	
GEO 4424	GPS and GIS	
GEO 4422	Web Mapping	
GEO 4427	GIS Design and Implementation	
Total Hours		19-20

Recommended Specializations

Code	Title	Hours
GIS		
GEO 2426	Fundamentals of Geographic Information Systems	
GEO 3426	Advanced GIS	
GEO 4427	GIS Design and Implementation	
Remote Sensing		
GEO 3416	Principles of Remote Sensing	
GEO 4412	Digital Remote Sensing	
Cartography		
GEO 3411	Maps and Mapmaking	
GEO 4411	Advanced Cartographic Design	
GEO 4422	Web Mapping	
GPS		
GEO 4424	GPS and GIS	

For additional information and application process, discuss with an academic advisor or refer to http://www.geo.txstate.edu/degrees-programs/certificates.html.

Certificate in Location Analysis

The Location Analysis Certificate provides the recipient with a focused background to work as location analysis in the public and private sectors. Such persons analyze spatial data to identify and optimize locations for business and public activities. A formal certificate issued by the Texas

State's College of Liberal Arts and a statement on the recipient's Texas State transcript recognize successful completion of the program.

Applicants to the Location Analysis Certificate program are required to be a Texas State University Undergraduate degree seeking or post-baccalaureate student in good standing.

The certificate in Location Analysis requires 16-17 semester credit hours. Students must complete the following courses with no grade less than a "C" and an overall average for the five classes of at least a 2.5.

Code	Title	Hours
GEO 2426	Fundamentals of Geographic Information Systems	4
GEO 3310	Urban Geography	3
GEO 3323	Location Analysis	3
Select two of the following:		6-7
GEO 3303	Economic Geography	
GEO 3349	Population Geography	
GEO 3411	Maps and Mapmaking	
GEO 3426	Advanced GIS	
Total Hours		16-17

Certificate in Water Resources Policy

The Water Resources Policy Certificate provides the recipient with a working knowledge of water resources in sufficient detail that they are prepared for professional positions involving water resources management and policy. To the prospective employer, the certificate is a professional endorsement that the recipient has received four university level courses on issues fundamental to water resources management and policy. A formal certificate issued by the Texas State's College of Liberal Arts and a statement on the recipient's Texas State transcript recognize successful completion of the program.

Applicants to the Water Resources Policy Certificate program are required to be a Texas State University undergraduate degree seeking or post-baccalaureate student in good standing.

The certificate requires 16-17 semester credit hours. Student must complete the following courses with no grade less than a "C" and an overall average for the five classes of at least a 2.5.

Code	Title	Hours
GEO 3434	Water Resources	4
GEO 4313	Environmental Management	3
GEO 4314	River Basin Management	3
GEO 4334	Groundwater Resources	3-4
or GEOL 4421	Hydrogeology	
GEO 4341	Water Policy	3
Total Hours		16-17

For additional information and application process, discuss with an academic advisor or refer to: http://www.geo.txstate.edu/degrees-programs/certificates.html.

Minor in Geography

The minor in Geography requires 19 semester credit hours. Texas State Geography offers a wide range of content courses that can provide distinct career preparation and competitive advantages to many majors. Students pursuing a Geography minor may choose to focus their studies in these areas: Urban Planning and Land Development; Water Studies; Geographic Information Science; Regional International Studies; Physical Geography/Earth Science; Environmental Resource Management; or Cultural Geography and Demographics. Minors are encouraged to consult with a Geography Department Academic Advisor to select courses to design the Geography minor.

Code	Title	Hours
Required Courses		
GEO 2410	Introduction to Physical Geography	4
Choose 3 hours from the following:		3
GEO 1309	Introduction to Cultural Geography	
GEO 1310	World Geography	
GEO 3303	Economic Geography	
Electives		
Choose 12 hours of Geography courses, 9 of which must be at the advanced (3000-4000) level		12
Total Hours		19

Minor in Geology

The minor in Geology requires 27-28 semester credit hours. Geology is the science and study of the solid matter of the Earth, its composition, structure, physical properties, history, and the processes that shape it. A geology minor is an ideal complement to a number of majors in the natural, social, and applied sciences.

Code	Title	Hours
Required Courses		
GEOL 1410	Physical Geology	4
GEOL 1420	Historical Geology	4
MATH 1317	Plane Trigonometry	3-4
or MATH 2321	Calculus for Life Sciences I	
or MATH 2417	Pre-Calculus Mathematics	
GEOL 3450	Earth Materials	4
Choose 4 hours from the following:		4
GEOL 3410	Sedimentation and Stratigraphy	
GEOL 3430	Structural Geology	
Choose 8 hours from the following:		8
GEOL 4330A & GEOL 4121	Introduction to Petroleum Geology and Directed Study	
GEOL 4330C & GEOL 4121	Survey of Economic Mineral Deposits and Directed Study	
GEOL 4330D & GEOL 4121	Tectonics and Geology of the USA and Directed Study	
GEO 3425	Geomorphology	
GEOL 3410 & GEOL 3430	Sedimentation and Stratigraphy and Structural Geology	
GEOL 4421	Hydrogeology	
Total Hours		27-28

Minor in Nature and Heritage Tourism

The minor in Nature and Heritage Tourism requires 22 semester credit hours. Nature and Heritage Tourism is the most rapidly growing segment of the overall tourism industry. The minor in Nature and Heritage Tourism

concentrates on planning, development and management of nature and heritage tourism activities that have a strong learning content.

Code	Title	Hours
Required Courses		
GEO 2410	Introduction to Physical Geography	4
GEO 4322	Interpretive Environmental Geography	3
GEO 4326	Parks and Protected Places	3
NHT 4301	Planning and Development of Nature and Heritage Tourism	3
NHT 4302	Internship in Nature and Heritage Tourism	3
Electives		
Choose 6 hours from the following (from at least two departments outside of the student's major department):		6
AG 3318	Agricultural Business Management	
AG 3321	Range Management	
AG 3351	Agricultural Marketing and Sales	
AG 3426	Soil Science I	
AG 3427	Soil Science II	
AG 4383	Agricultural Resource Economics	
ANTH 2415	Introduction to Archaeology	
ANTH 3301	Principles of Cultural Anthropology	
ANTH 3306	World Prehistory	
ANTH 3314	Latin American Cultures	
ANTH 3315	Archaeology of the Southwest	
ANTH 3318	Texas Archaeology	
ANTH 3324	Mexican American Culture	
ANTH 3332	Myths and Moundbuilders	
ANTH 3345	Archaeology of Mexico	
ANTH 3347	Archaeology of North America	
ANTH 4320	Rise of Civilization	
ANTH 4630	Archaeological Field School	
BIO 4304	Wildlife and Recreation: Impact, Policy, and Management	
BIO 4305	Nature Study	
BIO 4410	Field Biology of Plants	
BIO 4415	Ichthyology	
BIO 4416	General Ecology	
BIO 4420	Natural History of the Vertebrates	
BIO 4421	Ornithology	
BIO 4422	Mammalogy	
BIO 4423	Wildlife Management	
BIO 4434	Herpetology	
ENG 3345	Southwestern Studies I: Defining the Region	
ENG 3346	Southwestern Studies II: Consequences of Region	
ENG 4325	Literature of the Southwest	
GEO 3307	Geography of Europe	
GEO 3308	Latin America	
GEO 3309	United States and Canada	
GEO 3313	Natural Resource Use and Management	
GEO 3328	Geography of North Africa and the Middle East	
GEO 3329	Geography of Texas	
GEO 3332	Geography of South and Southeast Asia	
GEO 3333	Geography of China and Japan	
GEO 3335	Oceanography	
GEO 3411	Maps and Mapmaking	
GEO 4306	Geography of the Southwest	
GEO 4313	Environmental Management	
GEO 4314	River Basin Management	
GEO 4316	Landscape Biogeography	
GEO 4328	Geography of the Russian Realm	
GEO 4390	Independent Study	
GEO 4430	Field Methods	
GEOL 1410	Physical Geology	
GEOL 1420	Historical Geology	
GEOL 3410	Sedimentation and Stratigraphy	
GEOL 4320	Topics in Field Geology	
HIST 3353	Southwestern History	
HIST 3370	The Tools and Techniques of Historical Research and Writing	
HIST 3372	Texas History: A Survey	
HIST 4372	Mexican American History	
MGT 3303	Management of Organizations	
MKT 3343	Principles of Marketing	
PFW 1190A	Canoeing	
PFW 1190F	Beginning Scuba	
PFW 1201	Advanced Scuba Diving	
PFW 1204	Underwater Photography	
REC 1310	Introduction to Recreation and Leisure Services	
REC 1330	Leisure and Outdoor Recreation	
REC 3340	Design and Maintenance of Recreational Facilities	
REC 3351	Evaluation of Leisure Service Programming	
REC 4335	Outdoor Recreation Programming	
SOCI 3340	Sociology of Sport and Leisure	
Total Hours		22

Department of History

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As an undergraduate major, the discipline of History provides students with the knowledge and skills necessary to participate in our increasingly global society and economy. Emphasizing societies, cultures, and politics in the United States and around the world, the History Program helps to impart understandings of human motivation and interaction which form an essential background for all current activities whether they are in the realm of business, law, journalism, politics, education, or public history (i.e. National Park Service, museum work, historical restoration, etc.) In addition to gaining knowledge in their subject areas, students also develop skills in intensive reading and expository writing, as well as in logical and analytical, evidence-based thinking. As a consequence, students acquire a variety of skills which make them highly adaptable and valued by today's employers.

Academic Advising

The Department of History provides extensive academic advising services which include both group and individual advising. Through

these sessions, the academic advisor can offer detailed program and course information which can help students successfully complete their graduation requirements in a timely manner. All History majors are encouraged to seek advice about program requirements and course selection each semester. To schedule an appointment, please contact the History Department Office.

Bachelor of Arts (B.A.)

- Major in History (p. 512)
- Major in History (Single Field Teacher Certification in History, Grades 7-12) (p. 515)
- Major in History (Two Fields Teacher Certification in History, Grades 7-12) (p. 526)
- Major in History (Teacher Certification in Social Studies, Grades 7-12: Geography Minor and Political Science Third Field) (p. 519)
- Major in History (Teacher Certification in Social Studies, Grades 7-12: Political Science Minor and Geography Third Field) (p. 522)

Minors

- History (p. 530)
- Second Teaching Field in History (Grades 7-12) (p. 530)

Courses in History (HIST)

HIST 2310 or HIST 2311 and HIST 2320 or HIST 2312 are open to all students regardless of classification. However, it must be understood that HIST 2310 or HIST 2311 and HIST 2320 or HIST 2312 will not satisfy the legislative requirement in American history. Students majoring in fields other than history would be well advised to begin with HIST 1310 or HIST 1320.

HIST 1310. History of the United States to 1877.
A general survey of the history of the United States from its settlement to the end of Reconstruction. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): American History Core 060|Writing Intensive
Grade Mode: Standard Letter
TCCN: HIST 1301

HIST 1320. History of the United States, 1877 to Date.
A general survey of the history of the United States from Reconstruction to present. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): American History Core 060|Writing Intensive
Grade Mode: Standard Letter
TCCN: HIST 1302

HIST 2310. Western Civilization to 1715.
A general survey of western civilization from earliest times to the end of the 17th century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
TCCN: HIST 2311

HIST 2311. History of World Civilization to the 17th Century.
A general survey of world civilization from the earliest times to the 17th Century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
TCCN: HIST 2321

HIST 2312. History of World Civilization from the 17th Century.
A general survey of world civilization from the 17th Century to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
TCCN: HIST 2322

HIST 2320. Western Civilization, 1715 to Date.
A general survey of western civilization from the Treaty of Utrecht to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
TCCN: HIST 2312

HIST 3310. History of Europe, 1815-1919.
The background, course, and results of World War I, with emphasis on imperialism, diplomatic alliances, and nationalistic rivalries from the Congress of Vienna to the Paris peace settlements. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3311. History of Europe Since 1919.
The rise of Communism, Fascism, and Nazism; the background of World War II, and the post-war problems of peace. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3312. Renaissance and Reformation.
The cultural, political, and economic changes that marked the transition from the Middle Ages in Europe to the modern period; special attention to the decline of the medieval church and the Protestant revolt. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3313. Europe During the Old Regime, 1600-1760.
A study of European society and institutions in the 17th and 18th centuries with special attention to the development of absolute and constitutional monarchy, the scientific revolution, and the intellectual ferment of the Enlightenment. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3314. Revolutionary Europe, 1760-1815.
A study of the dynamics of revolutionary change in France and the rest of the European continent from the period of the Seven Years War through the fall of Napoleon Bonaparte. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3315. History of England to 1603.
The development of the English nation from prehistoric times to the end of the Tudor Dynasty in 1603. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3316. History of England Since 1603.
The English nation and the British Empire from 1603 through the modern era. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3319. Colonial History of Brazil.
The development of the Portuguese society in South America from the sixteenth century until 1822. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3320. History of Mexico.
A survey of the national period of Mexican history from the independence movement to the present. (MC) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3322. Colonial History of Latin America to 1828.
A study of the colonial period of Latin America from the early Spanish and Portuguese colonization to the beginning of the period of independence. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3324. Latin America from Independence to Present.
This course examines the history of Latin America from independence to present. Explores the challenges of formation and consolidation of the new states; of economic policy and development; the rise of Populism and the age of reforms; revolutions and revolutionary movements; and present challenges. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3325F. Militarism in Latin America.
An in-depth survey of militarism and the causes and processes of transition to democracy in Latin America. The course will examine the major characteristics of different types of military regimes in Latin America with particular attention to the military regimes in Argentina, Chile, Brazil, and Uruguay, and their relinquishing of power for democratic transitions. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3325G. Modern Revolutions in Latin American History.
This course will focus on the historical antecedents and events surrounding the Mexican, Guatemalan, Cuban, Chilean, and Nicaraguan revolutions. The purpose is to analyze these five revolutions and to come to an understanding of the current problems facing Latin America. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3325I. Resistance and Rebellion in Colonial Latin America.
This research-based course analyzes the political dynamics of resistance, rebellion, and social control within Latin American colonial societies, from the pax colonial of the seventeenth century to the Age of Andean Insurrection of the second half of the eighteenth century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3326. The Southern Cone of Latin America.
A topical survey of Argentina, Chile, Brazil, and Uruguay which stresses the political balance, geopolitical interests, and forces of commonality and division that have influenced this region since the colonial period. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3327. History of Mexico to 1848.
A survey of Mexico from prehistoric times to the Treaty of Guadalupe Hidalgo. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3329. Spanish Borderlands, 1521-1821.
A survey of the history of the Spanish frontier in North America and its hinterlands from the earliest explorations to the end of Spanish rule in 1821. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3340. History of the United States, 1877-1914.
A survey of American history from the end of Reconstruction to the outbreak of World War I with an emphasis on the pertinent historical literature. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3341. History of the United States, 1914-1945.
The study of American history from World War I through World War II with an emphasis on the pertinent historical literature. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3342. Social and Intellectual History of the United States, 1607-1865.
A history of American culture, with emphasis on the development of religious, political, social, and philosophical ideas through the Civil War. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3343. Social and Intellectual History of the United States Since 1865.
A study of the development of the United States after 1865, with emphasis on the social, political, economic,aesthetic, and philosophical ideas that have influenced contemporary American culture. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3346. The Civil War and Reconstruction.
The history of the United States from the Compromise of 1850 through the election of 1876. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3349. The Constitution of the United States.
An intensive study of the origin and development of the Constitution of the United States. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3352. Western America.
A general examination of the Trans-Mississippi West, its major cultural, economic, political, and social frontiers, and its development as a region and as a national component, from 1803 to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3353. Southwestern History.
A general examination of the region including Texas, California, and the states dominated geographically by the Great Basin, the Southern Rockies, and the Sonoran Desert, from the earliest European contacts to the present. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3357. History of U.S. Foreign Relations.
A study of American diplomacy since the Civil War. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3358. The Military History of the Western Wolrd.
A history of military institutions of the western world, with emphasis on the development of military thought, technology, and application from the earliest period to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3359. African American History.
A survey of African-American history, 1619 to the present. Emphases include African and European backgrounds, hemispheric slavery, slavery in early America, the antislavery movement, the Civil War and Reconstruction, post-Reconstruction culture and society, and Civil Rights movement. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3363. Colonial North America to 1763.
An intensive study of selected topics in the history of the settlement and expansion of British North America, including the development of the social, economic, and political life of the American colonies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3365. US Early Republic, 1788-1828.
History of the early national era, 1788-1828, with emphasis on development of the first party system in American politics, the social and economic issues, the expansion of southern slavery, and the western frontier. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3368A. Introduction to Public History.
A topic addressing the definition, evolution, and philosophy of public history. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368B. Law and Society in Early America.
A survey of American law and society from its European antecedents to the mid-nineteenth century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368E. United States Westward Expansionism, 1776-1861.
This course examines the expansion of the United State across the North American continent from the time of the American Revolution to the beginning of the Civil War. Special attention will be devoted to the Louisiana Purchase, the annexation of Texas, the Mexican Cession of 1848, and the Gadsden Purchase. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368F. History of U.S. Foreign Policy-Making in the Muslim World.
A lecture and readings-based course in the history of U.S. foreign policy-making in the Muslim Middle East. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368H. LBJ's America.
This is a team-taught course covering LBJ's evolution as politician. Beginning with LBJ's early career, students will learn the New Deal/ Rooseveltian roots of LBJ's political philosophy. Second, students will discuss LBJ's presidency, Great Society, and Civil Rights legislation. Lastly, students will study LBJ's Cold War politics, particularly the Vietnam conflict. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368J. The Space Race.
This course traces the history of space exploration, focusing on the competition between the United States and Russia since the launch of Sputnik in 1957. Themes include the creation and role of NASA, the scientific and economic impact of rocket science, and the political use of the space program. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368K. American Cultural History.
This course examines the history of specific expressive, popular, and symbolic forms of US culture in shaping American intellectual life, aesthetics, and material culture during the post- Civil War – mid 20th century period. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368L. History of Mexican American Music in the Southwest.
This class will explore Mexican American Music in all of its forms as it has developed in the American Southwest. The course will begin with an historical review of the region. It will then explore, from Islamic Spain to the contemporary Southwest, the development of musical language, styles and fusions. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368M. Popular Music and Social Movements in 20th Century America.
The examination of music as both a reflection of historical trends and a tool of social change will illuminate the relationship between music, culture, politics, and protest movements in 20th-century American history. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368N. History of U.S. Foreign Policy in Indochina.
This is an advanced course on the history of U.S. foreign policy in Indochina, especially Vietnam and Cambodia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368O. U.S. Foreign Relations from Revolution to Reconstruction.
This course in diplomatic history explores the philosophical, social, and legal aspects of the diplomatic relations of the United States, and development of the leading principles of foreign policy in the early American republic. These studies are then set within the context of analysis via several geo-political models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368P. The U.S. and Britain in the Sixties.
This course explores the political, social and cultural changes experienced by Americans and Britons during the "long 1960s" (1955-1975). Students will examine key events in each country separately before focusing on the commonalities and differences. Special attention will be paid to the transfer of movements across the Atlantic. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368R. History of Rock and Roll.
This course traces the various ethnic, social, cultural, political, economic, and demographic forces in American society that helped shape Rock & Roll music. Students will also explore how this uniquely American cultural idiom mirrors the historical evolution of the United States in the second half of the twentieth century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368S. History of Music and Race in the American South.
This course examines how the complex musical landscape of the American South, including blues, gospel, jazz, folk, country, bluegrass, Cajun, zydeco, rockabilly, and others, reflects the interaction of larger social, historical, ethnic, racial, political, and economic forces in that region from the eighteenth century to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368T. American Songbook.
This course examines the music of American from the colonial era to the 1960s. By exploring songs as primary source documents, students will analyze lyrical themes that illuminate historical trends from diverse perspectives, Beginning with British America, the course traces musical contributions of many demographic groups that comprise American society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368U. U.S. - Cuban Relations.
This course will provide students with an overview of relations between the United States and Cuba from 1865 to 2006. Themes include economic, political, military, and cultural inter-development through Cuban independence movements, U.S. military occupation, shared cultural and economic movements, and the growing animosity from Castro's Revolution to recent years. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368X. Organization of the Modern American State.
This course analyzes changes in political culture, policies, and organizational dynamics that shaped the American state, 1870 - Present. It examines how interest groups, experts, and bureaucrats helped transform a weak American state into one that affects most parts of citizens' daily lives, despite America's traditional aversion to centralized power. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3369Y. Black Women and Black Protest in America.
This course will trace the participation of Black women in every stage of Black protest in America from slavery and Reconstruction to Civil Rights and the Black Panthers. Through autobiographies, memoirs, film, literature, and monographs we will explore particular forms of Black female resistance, the unique concerns of Black female organizations, and the contradictions and successes Black women face within African-American freedom struggles. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3369Z. Immigration and US History.
This course examines the history of immigration to the United States beginning with the colonial era and extending through present day. It will consider the causes of immigration; the social, cultural and economic experiences of various immigrant groups; the development of immigrant group identities; and American responses to immigration.(MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3370. The Tools and Techniques of Historical Research and Writing.
A survey of traditional research methodology and the basic techniques in quantitative historical research. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3371A. Conflict and Creativity in U.S. Urban and Suburban History.
This course surveys the changing functions, scale, and quality of urban society in the United States. Special emphasis will be placed upon urban politics, or how changing demographics, physical environments, public and private institutions, and economies both grew out of and gave rise to political tensions between Americans. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3371B. Health and Illness in American History.
From concerns epidemics might undermine proper American racial orders to anxieties over democracy and health care financing (Obamacare), health and illness have reflected and shaped the ways Americans understand themselves, their policies, and their societies. This course examines two centuries of this complicated and fascinating history. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3372. Texas History: A Survey.
A one-semester survey of Texas History which will emphasize political, economic and social development from prehistory to the twentieth century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3373A. U.S. Women's History to 1877.
This course surveys the diversity of women's experiences in the United States from the colonial era to 1877. The social, economic, political, and intellectual realms of women's worlds, both public and private, are explored. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3373B. U.S. Women's History since 1877.
This course surveys the diversity of women's experiences in the United States from 1877 to the present. The social, economic, political, and intellectual realms of women's worlds, both public and private, are explored. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3373C. The History of Rural Women.
This course surveys rural women in the United States from the founding of the nation to the present. Topics include women's work in the agricultural economy, female influence in community and agrarian organizations, and the relations ship between rural and government services from regional, national, and global perspectives. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3374A. History of Christianity 1300-1700.
This course examines selected individuals and movements that embody key concerns of Christians during the most tumultuous era in Western Church history. The course begins in the fourteenth century so that students may gain perspective on reform efforts predating, and decisively influencing, the break with Rome catalyzed by Martin Luther.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3374B. American Religious History.
This course in religious history explores the theological, social, and political evolution of religions and the development of the leading trends in religious beliefs and practices in the United States from pre-European encounters to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3374C. History of Religion in India.
This course will focus on the historical development of religious traditions within India including Buddhist, Christian, Hindu, Islamic, Jain, Sikh, and Vedic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3375A. Topics in Working Class History.
Examines topics in US working class history with emphasis on the experiences of organized and unorganized workers in the context of their social, cultural, political, and workplace environments and the role of the working class in shaping US society. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3377. History of Country Music.
This course examines the evolution of country music and how it reflects larger social, cultural, historical economic, political, ethnic, and demographic changes taking place within American society. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3378. History of the Blues.
This course examines the evolution of the blues and other forms of African-American music throughout American history, with an emphasis on how blues music reflects the rich and complex traditions of the African-American community and helped give birth to rock & roll.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3380. The Desegregation of the South from 1944-1970.
Course will address the history and the historiography of the desegregation of the South from 1944-1970. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3381. Democracy and Education.
This course provides an overview of the relationship (and tension) between democracy and education in the U.S. between 1865 and 1930, when emancipation, westward expansion, rural poverty, and growing immigrant and working-class populations motivated reassessment and reform of public education in an attempt to meet individual and societal needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4300. Social Studies Resources and Practices.
This course is required for those students seeking the Social Studies Composite. This is an interdisciplinary methods course designed for students planning to teach Social Studies at the secondary level. This course will examine the philosophy behind the social sciences as well as integrate instructional techniques of History, Economics, Political Science, and Geography. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4303. Ancient Greece and the Mediterranean World, 1600 B.C. to 30 B.C..
A survey of Greek and Hellenistic history from Mycenaean civilization to the Roman conquest of the Eastern Mediterranean. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4304. Ancient Rome and the Mediterranean 500 B.C. to 500 A.D..
A survey of Roman History from the Republican period to the fall of the Western Empire with emphasis on its Mediterranean milieu. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4307. Medieval European History, 300-1400.
A study of the Latin West and the Byzantine East during the Middle Ages with emphasis on the continuity of Greco-Roman culture as it encounters Islam and the Barbarians. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4317. Tudor-Stuart England, 1485-1689.
A study of the constitutional, social, political, and religious developments in England during the Tudor-Stuart dynasties. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4318A. Daily Life in the Roman Empire.
A survey of the various aspects of daily life of the ancient Romans. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318G. Western Eurpore and the Development of Modern Africa.
The course will examine the impact of western Europe on the development of African countries from c1640 to present. Themes to be considered include: the impact of the slave trade, the Mfecane, European penetration and conquest of Africa, African resistance, the varieties of colonialism and the legacy of the same. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318N. Transatlantic Migration.
The course uncovers how migration processes function, breaking these down into economic, social, cultural and especially political aspects. Who migrated, why and how did transatlantic migration patterns develop (1815-1930)? What actors steered it and how did the enactment, enforcement and evasion of American migration policies take shape?.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318O. History of Modern Spain.
The course traces the history of Spain from the time of Ferdinand and Isabella to the rise of the European Union. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318P. France and the Modern World.
A survey of important phenomena in nineteenth and twentieth-century French history that have had an impact on the development of the modern world. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318Q. History of Early Modern Spain.
Through readings, lectures, class discussions, critical film viewing, and writing assignments, this course seeks to familiarize students with the history of Early Modern Spain and its transoceanic empire between the late fifteenth century and the early nineteenth century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318R. Ancient and Medieval Spain.
Through lectures, class discussions, and critical reading, film viewing, and writing assignments, this course seeks to familiarize students with the history of Spain between approximately 800 BC and AD 1500, with an emphasis on the legacy transmitted by the successive civilizations that flourished on Spanish soil during that period.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318S. Britain and the World.
Mainstream British history still neglects the world's influence upon domestic developments, and British overseas history remains largely confined to the study of the British Empire. This course takes a broader approach, investigating Britain's interactions with the wider world from 1688 to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318T. Roman and Medieval Britain.
This course will investigate Roman and Medieval history related to the city of Chester, the Welsh Marches and the Northwest of England. Through readings, classroom discussions, close analysis of photos and videos of the sites, this course will detail the history of this problematic and often rebellious region. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318U. Industrial Britain.
This course will examine the physical impact that industrialization had on the Great Britain - bridges, canals, factories - and the cultural/social effects on factory and seaside resort towns and ocean ports. The class will address what role industrialization played in Britain becoming world industrial and imperial power. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318V. The History of Modern Britain.
This course examines the history of imperial Britain from the early ninteenth century to the present day. Students will analyze the cultural and intellectual foundations of modern British society, including the growth of its industrial economy, the development of representative politics, and the evolution of its relationship with its empire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 4318W. Queer Youth History.
This transatlantic course examines the emergence of both youth and queer culture in urban spaces through a study of gender, sexuality, race, class, and nationalism. With a wide-ranging chronological and geographical scope, the selected queer/youth cultures represent diverse spatial, aesthetic, economic, political, and socio-cultural histories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4320. Origins of Christianity.
A survey of the development of the institutional church from the founding of the first primitive communities of believers to the rending of Christian unity in the 16th century. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4325. Islamic History to 1798.
This course explores the history and culture of the Arab and Muslim peoples in the Middle East and North Africa from the late 6th century to Napoleon's invasion of Egypt in 1798. Emphasis is placed on the interrelationships of indigenous socio-economic structures and intellectual developments in Islamic theology and Shar' a law. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4326. The Modern Middle East.
This course emphasizes economic social and intellectual developments in the Arab Middle East and North Africa in the 19th and 20th centuries. Some attention will be paid to Iran in the period after World War II. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4327. The Problem of Palestine.
Examination of Arab Palestine. Ottoman records to 1914, Israel's creation in 1948, and Jordan's loss of control of the West Bank and Gaza in 1967 will be surveyed. The Palestinian Diaspora, Yasir Arafat's leadership, and the "Intifada," also will be examined. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4328. History of India.
This course is an introduction to the history of India from ancient times to the creation of the modern nation-state of India. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4333. The History of Russia and Eurasia to 1917.
A survey of Kievan Rus, Muscovy, and the Russian Empire to 1917. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4334. The History of Russia and Eurasia from 1917 to Present.
A survey of the history of the former Soviet Union and post-Soviet society from 1917 to the present. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4335. 20TH CENT EAST EUR.
A survey of the history of Eastern Europe. May be repeated with a different emphasis. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Header|Writing Intensive
Grade Mode: Standard Letter

HIST 4336. Germany from 1815 to Present.
The political, social, economic, and cultural development of Germany since Napoleonic times. Includes the Confederation period, unification under Bismarck, the Second Empire, National Socialism, and the post-war period. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4337. Germany and National Socialism, 1918-1945.
Survey of German history and the Nazi movement. Topics covered will include the Weimar Republic, Hitler's rise to power, everyday life in Nazi Germany and in peace and war and the Holocaust. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4343. Modern China, 1600 to the Present.
A survey of the political, social, economic, and intellectual history of China from 1600 to the present. Emphasis on the issues of domestic troubles and external aggression, and on the revolutionary changes in the 19th and 20th centuries. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4344. Modern Japan, 1600-Present.
A survey of the political, social, economic, and intellectual history of Japan from 1600 to the present. Focus on the radical changes in the state, society, and economy in the 19th and 20th centuries and on the impact of these changes on Japan's status in the world today. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4346. Modern Korea.
This course is a survey of the political, social, economic, and intellectual history of modern Korea, focusing on the external aggression and internal transformation between 1876 and 1910, the impact of the Japanese rule, the split into two Koreas in 1945, and the North/South developments and interactions since then. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4347. History of Hong Kong.
This course is a survey of the political, social, economic, and intellectual history of Hong Kong from 1842 to the present. Focus is on British colonial rule, the Handover in 1997, and the current status of the Hong Kong Special Administrative Region of the People's Republic of China.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4348. Mahatma Gandhi and Nonviolence.
This course will offer students the opportunity to explore Mahatma Gandhi's leadership of the movement against British colonialism in India and the legacy of Gandhi's strategies of non-violent non-cooperation in other political movements of the twentieth century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4350A. Slavery and Emancipation in the Americas.
An Atlantic and continental perspective of the institutionalization of the slave trade, the adaptation of the plantation system and the evolution of slave laws, the various models of emancipation in the Americas, followed by the modified forms of indigenous and foreign slave labor adopted in the Americas. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350B. Origins of the Modern Global Economic System.
An interdisciplinary and inter-cultural perspective that examines the rise and fall of the economic system of the thirteenth century centered in Asia and the reasons why the system was eclipsed in the fifteenth century by a new economic system centered in Europe. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350D. Empire and Identity in Central Asia.
This course explores the historical development of local, ethnic, and national identity in Central Asia from the 13th-century Mongol conquest to the present. The course concludes with explorations of the transnational links within the region and the challenges and possibilities for the five Central Asian republics in the post-Soviet era. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350E. Gender in Latin American History.
This course surveys the role of gender in Latin American history, from pre-conquest to the present. It analyzes Latin American politics, culture, and economics, and gives particular attention to the creation and resistance of social norms. The course strengthens analytical skills through extensive discussion and writing.(WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350F. Postwar Japan.
This course explores Japan's development from the 1940s through the 1970s. Emphasis is on the continuities and discontinuities from the wartime to the postwar regime, American influence on policies and discourses on post-occupation society, the legacies of the war in culture and society, and the repercussions of economic affluence. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350J. History and Culture of Modern India.
The course features an intensive study of the history of modern India. Course coverage includes the Mughal Empire, British Colonialism, Mahatma Gandhi and the Indian Independence Movement, and the establishment of the nations of India and Pakistan. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350K. Gender & Militarization in the Arab World.
For women and men in the modern Arab world, national identity and sovereignty – or civil war – influence how they live. This class takes advantage of cutting-edge scholarship on the twentieth-century Middle East to hone students' skills in historical analysis. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350L. History of Southeast Asia.
Southeast Asia today includes eleven countries: Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar (Burma), Philippines, Singapore, Thailand, East Timor, and Vietnam. This course will explore the region from its earliest origins through the periods of European colonialism, nationalism, revolution, and the transformation of old societies into new nations. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350N. The 20th Century Middle East: Syria, Iraq, and Palestine.
This upper-division course considers three of the nation-states under League of Nations mandates at the beginning of the twentieth century: Syria, Iraq, and Palestine. Students read a general history of the region in support of additional readings that offer in-depth discussion of specific issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350O. History of Indochina.
This course explores the themes of diffusion, acculturation, hybridity, accommodation, and resistance in the history of Mainland Southeast Asia (also known as Indochina). The region, which has been the site of significant interaction with the larger world since ancient times, consists of Thailand, Cambodia, Laos, Vietnam, peninsular Malaysia, and Singapore. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350P. European Colonial.
This readings course explores the development of worldwide colonial systems since the fifteenth century. Emphasis will be given to how native peoples responded to European attempts to introduce economic, political, and cultural prerogatives in a variety of world settings such as South and Southeast Asia and North and South America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 4350R. Workers and Work in the Arab World.
Of 255 million people in 22 predominantly-Arab countries in North Africa and the Middle East, over the past 150 years, most have worked at some kind of job or another. In this course we will consider how labor politics introduce state regulations to gender, national and sexual identities. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350S. Piracy Through the Ages.
An activity based on greed, and sometimes survival, piracy has existed since humans took to the seas. This course investigates the global history of piracy beginning with the Vikings. The history of piracy in the Caribbean, Asia, and the Mediterranean will be covered and compared to the piracy of today. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350T. Japanese Urban Life.
Home to the world's largest city, Edo, at the end of the eighteenth century, Japan has been influenced over many centuries by a vibrant and distinctive urban culture. Through works of history, fiction, film, geography, and urban planning, this course introduces students to the characteristics and development of Japanese urban.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350U. Slaveries: Past and Present.
This course explores the significance of slavery in American history from the colonial period to today, from the emergence of racial slavery in the 17th century to human trafficking now. We will read the works of historians, journalists, and activists, as well as personal narratives of enslaved peoples. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350V. History of Pakistan.
This course is an introduction to the history and culture of Pakistan. Broadly covering the 5000 year history of the region, from origins, the introduction of Islam and creation of the modern state, the course focuses on the cultural developments of the region, along with highlights of major political developments. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350W. The Great War.
This course will cover the history of the First World War. Co-taught, the class will examine the following topics: diplomatic origins, course of the war on the battlefield, changes in military technology, effect of Total War on the home front, propaganda, and legacy. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350X. Peace and Nonviolence Movements.
This course explores the origins, development, and impact of peace and nonviolence movements globally. It will examine the roles that religion, class, gender, race, ethnicity, and nationalism have played in shaping social and political perceptions of injustice and public attitudes toward movement goals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350Y. Development of Secularism in Ottoman Empire and Modern Turkey.
The emergence of Turkey as a secular state is a peculiar example among the countries with predominantly Muslim populations. This course aims to provide students with an historical survey of the secularization of the Ottoman state and the development that led to the emergence of modern Turkey.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4360. History of the United States, 1945 to 1968.
A study of the interplay of economic, social, political, and cultural forces that shaped American society from the end of World War II to the presidential election of 1968. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4361. History of the United States, 1968 to the Present.
A study of the interplay of economic, social, political and cultural forces that have shaped American society from 1968 to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4363. Riddles of the Civil War.
This course examines many unanswered questions or "riddles" of the American Civil War. Topics include, "Why Lincoln Chose to Invade," "Jomini, the Generals: Strategy and Tactics," "Lincoln, the Constitution and the War," "Interior lines: Strategic Casual Availability," etc. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4364. Military History of the United States.
A specialized study of the military problems of the United States since 1789 and their impact upon non-military problems. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4365. Age of Revolution in North America, 1763-1789.
A history of the American people during the age of the American Revolution, from the beginning of the crisis with Britain to the adoption of the Constitution. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4367. US Antebellum Era, 1812-1861.
A survey of conflicting American attitudes about the desirability of a strong central government, rapid economic growth, aggressive national expansion, and human slavery in a democratic society. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4368. War and Society.
A study of the relationship of war with social and cultural institutions from the 18th century to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4369. Introduction to Ethnohistory.
This course familiarizes students with the ethnohistorical method, a multidisciplinary approach to the study of the historical, social, and cultural processes undergone by indigenous peoples before, during, and after contact with nation-states. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4371. Introduction to American Indian History.
This course promotes understanding of the role played by the native peoples of North America in the history of the United States. Among the subjects to be covered through lectures and discussions: initial migrations and cultural development; impact of European conquest; adaptation; removal and reservation life; 20th century adjustments. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4372. Mexican American History.
A survey of the political, economic, and social-cultural role of the Mexican-American in United States from the era of Spanish colonization to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4373. Economic and Social History of the Americas.
Comparative history of the Americas with special attention to the United States, Canada, and Mexico. Explores different patterns of economic growth and their impact on societies and international relations. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4375A. Critical Issues in Texas History.
Emphasis will be on significant critical issues in Texas history. Topics will include: Mexican independence, Texas and U.S. expansion, the Texas Revolution and the Mexican War, the Civil War and Reconstruction, Spindletop, the Depression and WWII, and the rise of urban, high-tech Texas. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4375B. African-American Experience in Texas.
People of African ancestry have played a role in Texas history since Estebanico accompanied Cabeza de Vaca in exploring the region in the 1530s. As slaves, soldiers, and cowboys, Afro-Texans have participated in the state's development while being at the center of controversies regarding rights, racemixing and economic opportunity. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4376. The History of Texas Music.
Examination of the evolution of music in Texas and the American Southwest, emphasizing how music reflects the richly diverse ethnic and cultural heritage of the region. It also considers the importance of ethnic identity and other social, political, and economic factors in shaping the Southwest, its people, and its music. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4380. Historical Resources and Practices.
This course is required for students seeking teacher certification in History. This course is an introductory methods course designed to familiarize students with general historical practice and its application in secondary teaching. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4388. Problems in History.
This is an independent study course open to advanced students on an individual basis. Repeatable for credit with different emphasis. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

HIST 4390. History Practicum.
Researching, Writing, and Publishing Local History. This course will involve students in researching, writing, and publishing short historical guidebooks to sites/areas such as San Marcos, San Antonio, Fredericksburg, etc. Using desk-top publishing techniques, which are to be taught, the short (24-48 pages) guidebooks will be produced and marketed by the class. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4399. Senior Seminar.
This course is required for History majors not seeking teaching certification. In this course students refine skills and techniques essential to the historical profession. Students analyze primary and secondary sources, apply methods, and write a term paper. Prerequisite: 24 semester credit hours in History with a grade point average of at least 2.25 in those hours. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in History

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required for graduation, which can be completed by courses in the major, minor, or general education core curriculum (not including ENG 1310, ENG 1320).
4. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. This major requires 33 semester credit hours including the following History courses:

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
HIST 1320	History of the United States, 1877 to Date	3
HIST 2310	Western Civilization to 1715	3
or HIST 2311	History of World Civilization to the 17th Century	
HIST 2320	Western Civilization, 1715 to Date	3
or HIST 2312	History of World Civilization from the 17th Century	

HIST 4399	Senior Seminar	3
Advanced HIST electives [1]		18
Total Hours		33

7. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
8. For transfer students, 12 semester credit hours in History (or equivalents) may be transferred from a Texas public institution of higher education for the History Field of Study and be applied to the Bachelor of Arts degree with a major in History at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
TCCN: HIST 1301		
HIST 1320	History of the United States, 1877 to Date	3
TCCN: HIST 1302		
Choose two of the following eight courses:		6
HIST 2310	Western Civilization to 1715	
TCCN: HIST 2311		
HIST 2311	History of World Civilization to the 17th Century	
TCCN: HIST 2321		
HIST 2312	History of World Civilization from the 17th Century	
TCCN: HIST 2322		
HIST 2320	Western Civilization, 1715 to Date	
TCCN: HIST 2312		
HIST ELNA		
TCCN: HIST 2301		
HIST ELNA		
TCCN: HIST 2327		
HIST ELNA		
TCCN: HIST 2328		
HIST ELNA		
TCCN: HIST 2381		
Total Hours		12

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
US 1100	1	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
Modern Language 1410	4	Modern Language 1420	4
Mathematics Component Code 020	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	14		16

Sophomore

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3	BA ENG Literature	3
ENG Literature (Component Area Option Code 090/094)	3	Modern Language 2320	3
Modern Language 2310	3	HIST 2310 or 2311	3
HIST 1320 (American History Component Code 060)	3	Life & Physical Sciences Component Code 030	3
Social & Behavioral Sciences Component Code 080	3	Minor or Advanced Elective	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	HIST Advanced Group Electives	6
Life & Physical Sciences Component Code 030	3	BA Computer Science, Logic, Mathematics or science	3-4
HIST 2320 or 2312	3	Minor	6
HIST Advanced Group Elective	3		
Minor	3		
	15		15

Senior

First Semester	Hours	Second Semester	Hours
Minor or Free Electives as needed	3	Minor or Free Electives as needed	6
HIST Advanced Group Electives	6	HIST Advanced Group Elective	3
Minor	6	Minor	3
		HIST 4399	3
	15		15

Total Hours: 120

HIST Advanced Group Electives

Code	Title	Hours
GROUP A - WORLD HISTORY		
HIST 3319	Colonial History of Brazil	3
HIST 3320	History of Mexico	3
HIST 3322	Colonial History of Latin America to 1828	3
HIST 3324	Latin America from Independence to Present	3
HIST 3325F	Militarism in Latin America	3
HIST 3325G	Modern Revolutions in Latin American History	3
HIST 3326	The Southern Cone of Latin America	3
HIST 3327	History of Mexico to 1848	3
HIST 3329	Spanish Borderlands, 1521-1821 [1]	3

HIST 3368F	History of U.S. Foreign Policy-Making in the Muslim World [1]	3
HIST 3368N	History of U.S. Foreign Policy in Indochina [1]	3
HIST 3368U	U.S. - Cuban Relations [1]	3
HIST 4318G	Western Eurpore and the Development of Modern Africa [1]	3
HIST 4318S	Britain and the World [1]	3
HIST 4325	Islamic History to 1798	3
HIST 4326	The Modern Middle East	3
HIST 4327	The Problem of Palestine	3
HIST 4328	History of India	3
HIST 4333	The History of Russia and Eurasia to 1917 [1]	3
HIST 4343	Modern China, 1600-Present	3
HIST 4344	Modern Japan, 1600-Present	3
HIST 4346	Modern Korea	3
HIST 4347	Hong Kong in the Modern World	3
HIST 4348	Mahatma Gandhi and Nonviolence	3
HIST 4350A	Slavery and Emancipation in the Americas	3
HIST 4350B	Origins of the Modern Global Economic System	3
HIST 4350D	Empire and Identity in Central Asia	3
HIST 4350E	Gender in Latin American History	3
HIST 4350F	Postwar Japan	3
HIST 4350J	History and Culture of Modern India	3
HIST 4350K	Gender & Militarization in the Arab World	3
HIST 4350L	History of Southeast Asia	3
HIST 4350N	The 20th Century Middle East: Syria, Iraq, and Palestine	3
HIST 4350O	History of Indochina	3
HIST 4350P	European Colonial	3
HIST 4350R	Workers and Work in the Arab World	3
HIST 4350S	Piracy Through the Ages [1]	3
HIST 4350V	History of Pakistan [1]	3
HIST 4350W	The Great War [1]	3
HIST 4368	War and Society [1]	3
HIST 4369	Introduction to Ethnohistory [1]	3
HIST 4373	Economic and Social History of the Americas [1]	3
HIST 4388	Problems in History	3

Code	Title	Hours
GROUP B - EUROPEAN HISTORY		
HIST 3310	History of Europe, 1815-1919	3
HIST 3311	History of Europe Since 1919	3
HIST 3312	Renaissance and Reformation	3
HIST 3313	Europe During the Old Regime, 1600-1760	3
HIST 3314	Revolutionary Europe, 1760-1815	3
HIST 3315	History of England to 1603	3
HIST 3316	History of England Since 1603	3
HIST 3358	The Military History of the Western Wolrd	3
HIST 3368B	Law and Society in Early America [1]	3
HIST 4303	Ancient Greece and the Mediterranean World, 1600 B.C. to 30 B.C.	3
HIST 4304	Ancient Rome and the Mediterranean 500 B.C. to 500 A.D.	3
HIST 4307	Medieval European History, 300-1400	3
HIST 4317	Tudor-Stuart England, 1485-1689	3
HIST 4318A	Daily Life in the Roman Empire	3
HIST 4318G	Western Eurpore and the Development of Modern Africa	3
HIST 4318O	History of Modern Spain	3
HIST 4318P	France and the Modern World	3
HIST 4318Q	History of Early Modern Spain	3
HIST 4318R	Ancient and Medieval Spain	3
HIST 4318S	Britain and the World [1]	3
HIST 4318T	Topics in Roman and Medieval Britain [1]	3
HIST 4318U	Topics in Industrial Britain [1]	3
HIST 4320	Origins of Christianity	3
HIST 4333	The History of Russia and Eurasia to 1917	3
HIST 4334	The History of Russia and Eurasia from 1917 to Present	3
HIST 4336	Germany from 1815 to Present	3
HIST 4337	Germany and National Socialism, 1918-1945	3
HIST 4350P	European Colonial [1]	3
HIST 4350S	Piracy Through the Ages [1]	3
HIST 4350W	The Great War [1]	3
HIST 4368	War and Society	3
HIST 4388	Problems in History	3

Code	Title	Hours
GROUP C - U.S. HISTORY		
HIST 3329	Spanish Borderlands, 1521-1821 [1]	3
HIST 3340	History of the United States, 1877-1914	3
HIST 3341	History of the United States, 1914-1945	3
HIST 3342	Social and Intellectual History of the United States, 1607-1865	3
HIST 3343	Social and Intellectual History of the United States Since 1865	3
HIST 3346	The Civil War and Reconstruction	3
HIST 3349	The Constitution of the United States	3
HIST 3352	Western America	3
HIST 3353	Southwestern History	3
HIST 3357	History of U.S. Foreign Relations	3
HIST 3359	African American History	3
HIST 3363	Colonial North America to 1763	3
HIST 3365	US Early Republic, 1788-1828	3
HIST 3368A	Introduction to Public History	3
HIST 3368B	Law and Society in Early America	3
HIST 3368E	United States Westward Expansionism, 1776-1861	3
HIST 3368F	History of U.S. Foreign Policy-Making in the Muslim World	3
HIST 3368H	LBJ's America	3
HIST 3368J	The Space Race	3
HIST 3368K	Topics in American Cultural History	3
HIST 3368L	History of Mexican American Music in the Southwest	3
HIST 3368M	Popular Music and Social Movements in 20th Century America	3
HIST 3368N	History of U.S. Foreign Policy in Indochina	3

HIST 3368O	U.S. Foreign Relations from Revolution to Reconstruction	3
HIST 3368P	The U.S. and Britain in the Sixties	3
HIST 3368R	History of Rock and Roll	3
HIST 3368S	History of Music and Race in the American South	3
HIST 3368T	American Songbook	3
HIST 3368U	U.S. - Cuban Relations [1]	3
HIST 3368X	Organization of the Modern American State [1]	3
HIST 3369Y	Black Women and Black Protest in America	3
HIST 3369Z	Immigration and US History	3
HIST 3371A	Conflict and Creativity in U.S. Urban and Suburban History [1]	3
HIST 3372	Texas History: A Survey	3
HIST 3373A	U.S. Women's History to 1877	3
HIST 3373B	U.S. Women's History since 1877	3
HIST 3373C	The History of Rural Women	3
HIST 3375A	Topics in Working Class History	3
HIST 3377	History of Country Music	3
HIST 3378	History of the Blues	3
HIST 3380	The Desegregation of the South from 1944-1970	3
HIST 3381	Democracy and Education	3
HIST 4350W	The Great War	3
HIST 4360	History of the United States, 1945 to 1968	3
HIST 4361	History of the United States, 1968 to the Present	3
HIST 4363	Riddles of the Civil War	3
HIST 4364	Military History of the United States	3
HIST 4365	Age of Revolution in North America, 1763-1789	3
HIST 4367	US Antebellum Era, 1812-1861	3
HIST 4368	War and Society [1]	3
HIST 4369	Introduction to Ethnohistory [1]	3
HIST 4371	Introduction to American Indian History	3
HIST 4372	Mexican American History	3
HIST 4373	Economic and Social History of the Americas [1]	3
HIST 4375A	Critical Issues in Texas History	3
HIST 4375B	African-American Experience in Texas	3
HIST 4376	The History of Texas Music	3
HIST 4388	Problems in History	3
HIST 4390	History Practicum	3

Code	Title	Hours
GROUP D - HISTORY CAPSTONE AND TEACHER CERTIFICATION PREPARATION		
HIST 4300	Social Studies Resources and Practices	3
HIST 4380	Historical Resources and Practices	3
HIST 4399	Senior Seminar	3

[1] In choosing advanced History electives, students are required to complete one course from Group A (World History), one course from Group B (European History), one course from Group C (U.S. History), and three courses from any Group as long as no more than three courses are taken from any one group. (See Group lists below). Course allowable for credit in more than one group. Such courses may not be taken to satisfy more than one group.

Bachelor of Arts (B.A.) Major in History (Single Field Teacher Certification in History, Grades 7-12)

Minimum required: 129 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required for graduation, which can be completed by courses in the major, minor, or general education core curriculum (not including ENG 1310, ENG 1320).
4. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. This major is designed to prepare students for secondary teacher certification in History.
7. This major requires 33 semester credit hours including the following History courses:

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
HIST 1320	History of the United States, 1877 to Date	3
HIST 2311	History of World Civilization to the 17th Century	3
HIST 2312	History of World Civilization from the 17th Century	3
HIST 3372	Texas History: A Survey	3
HIST 4380	Historical Resources and Practices	3
Advanced History electives [3]		15
Total Hours		33

8. The minimum number of hours required for this degree program is 129. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 129 total or 36 advanced hours.
9. In addition to the teaching field, students must also complete 21 hours of professional sequence courses under the College of Education. Students must maintain a 2.50 GPA in the teaching field. All coursework must be completed prior to EDST 4681.
10. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all

assigned courses in the professional sequence with no grade below a "C".

11. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

12. For transfer students, 21 semester credit hours in History (for the teacher certification track) may be transferred from a Texas public institution of higher education for the History Field of Study and be applied to the Bachelor of Arts degree with a major in History at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
TCCN: HIST 1301		
HIST 1320	History of the United States, 1877 to Date	3
TCCN: HIST 1302		
HIST 2311	History of World Civilization to the 17th Century	3
TCCN: HIST 2321		
HIST 2312	History of World Civilization from the 17th Century	3
TCCN: HIST 2322		
HIST ELNA		3
TCCN: HIST 2301		
CI 4332	Secondary Teaching: Curriculum and Technology	3
TCCN: EDUC 1301		
CI 3325	Adolescent Growth and Development	3
TCCN: EDUC 2301		
Total Hours		21

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)[1]	3	ENG 1320 (Communication Component Code 010)[1]	3
US 1100	1	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/Political Science Component Code 070)	3	Modern Language 1420	4
Modern Language 1410	4	POSI 2320 (Governmen Political Science Component Code 070)	3
Mathematics Component Code 020	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)[1]	3
	14		16

Sophomore

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)[2]	3	BA ENG Literature	3
ENG Literature (Component Area Option Code 090/094)	3	Modern Language 2320	3
Modern Language 2310	3	HIST 2311	3
HIST 1320 (American History Component Code 060)	3	Life & Physical Sciences Component Code 030	3
Social & Behavioral Sciences Component Code 080	3	Minor	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	BA Computer Science, Logic, Mathematics or science	3-4
Minor	3	CI 4332	3
HIST 2312	3	HIST Advanced Group Electives[3]	6
HIST 3372	3	Minor	3
Life & Physical Sciences Component Code 030	3		
	15		15

Senior

First Semester	Hours	Second Semester	Hours	Third Semester	Hours
HIST Advanced Group Electives[3]	6	HIST 4380	3	EDST 4681	6
CI 3325	3	HIST Advanced Group Elective[3]	3		
Minor	9	CI 4370	3		
		CI 4343	3		
		RDG 3323	3		
	18		15		6

Total Hours: 129

1 Must be completed with a grade of "C" or higher.

2 Must be completed with a grade of “B” or higher. If the grade is lower than a “B”, then an interview will need to be scheduled with the Office of Educator Preparation (OEP)

3 Students are required to take one course from Group A (World History), one course from Group B (European History), two courses from Group C (U.S. History), and one course from either Group A or B. Course allowable for credit in more than one group. Such courses may not be taken to satisfy more than one group.

HIST Advanced Group Electives

Code	Title	Hours
GROUP A - WORLD HISTORY		
HIST 3319	Colonial History of Brazil	3
HIST 3320	History of Mexico	3
HIST 3322	Colonial History of Latin America to 1828	3
HIST 3324	Latin America from Independence to Present	3
HIST 3325F	Militarism in Latin America	3
HIST 3325G	Modern Revolutions in Latin American History	3
HIST 3326	The Southern Cone of Latin America	3
HIST 3327	History of Mexico to 1848	3
HIST 3329	Spanish Borderlands, 1521-1821 [1]	3
HIST 3368F	History of U.S. Foreign Policy-Making in the Muslim World [1]	3
HIST 3368N	History of U.S. Foreign Policy in Indochina [1]	3
HIST 3368U	U.S. - Cuban Relations [1]	3
HIST 4318G	Western Eurpore and the Development of Modern Africa [1]	3
HIST 4318S	Britain and the World [1]	3
HIST 4325	Islamic History to 1798	3
HIST 4326	The Modern Middle East	3
HIST 4327	The Problem of Palestine	3
HIST 4328	History of India	3
HIST 4333	The History of Russia and Eurasia to 1917 [1]	3
HIST 4343	Modern China, 1600-Present	3
HIST 4344	Modern Japan, 1600-Present	3
HIST 4346	Modern Korea	3
HIST 4347	Hong Kong in the Modern World	3
HIST 4348	Mahatma Gandhi and Nonviolence	3
HIST 4350A	Slavery and Emancipation in the Americas	3
HIST 4350B	Origins of the Modern Global Economic System	3
HIST 4350D	Empire and Identity in Central Asia	3
HIST 4350E	Gender in Latin American History	3
HIST 4350F	Postwar Japan	3
HIST 4350J	History and Culture of Modern India	3
HIST 4350K	Gender & Militarization in the Arab World	3
HIST 4350L	History of Southeast Asia	3
HIST 4350N	The 20th Century Middle East: Syria, Iraq, and Palestine	3
HIST 4350O	History of Indochina	3
HIST 4350P	European Colonial	3
HIST 4350R	Workers and Work in the Arab World	3
HIST 4350S	Piracy Through the Ages [1]	3
HIST 4350V	History of Pakistan [1]	3
HIST 4350W	The Great War [1]	3
HIST 4368	War and Society [1]	3
HIST 4369	Introduction to Ethnohistory [1]	3
HIST 4373	Economic and Social History of the Americas [1]	3
HIST 4388	Problems in History	3

Code	Title	Hours
GROUP B - EUROPEAN HISTORY		
HIST 3310	History of Europe, 1815-1919	3
HIST 3311	History of Europe Since 1919	3
HIST 3312	Renaissance and Reformation	3
HIST 3313	Europe During the Old Regime, 1600-1760	3
HIST 3314	Revolutionary Europe, 1760-1815	3
HIST 3315	History of England to 1603	3
HIST 3316	History of England Since 1603	3
HIST 3358	The Military History of the Western Wolrd	3

HIST 3368B	Law and Society in Early America [1]	3
HIST 4303	Ancient Greece and the Mediterranean World, 1600 B.C. to 30 B.C.	3
HIST 4304	Ancient Rome and the Mediterranean 500 B.C. to 500 A.D.	3
HIST 4307	Medieval European History, 300-1400	3
HIST 4317	Tudor-Stuart England, 1485-1689	3
HIST 4318A	Daily Life in the Roman Empire	3
HIST 4318G	Western Eurpore and the Development of Modern Africa	3
HIST 4318O	History of Modern Spain	3
HIST 4318P	France and the Modern World	3
HIST 4318Q	History of Early Modern Spain	3
HIST 4318R	Ancient and Medieval Spain	3
HIST 4318S	Britain and the World [1]	3
HIST 4318T	Topics in Roman and Medieval Britain [1]	3
HIST 4318U	Topics in Industrial Britain [1]	3
HIST 4320	Origins of Christianity	3
HIST 4333	The History of Russia and Eurasia to 1917	3
HIST 4334	The History of Russia and Eurasia from 1917 to Present	3
HIST 4336	Germany from 1815 to Present	3
HIST 4337	Germany and National Socialism, 1918-1945	3
HIST 4350P	European Colonial [1]	3
HIST 4350S	Piracy Through the Ages [1]	3
HIST 4350W	The Great War [1]	3
HIST 4368	War and Society	3
HIST 4388	Problems in History	3

Code	Title	Hours
GROUP C - U.S. HISTORY		
HIST 3329	Spanish Borderlands, 1521-1821 [1]	3
HIST 3340	History of the United States, 1877-1914	3
HIST 3341	History of the United States, 1914-1945	3
HIST 3342	Social and Intellectual History of the United States, 1607-1865	3
HIST 3343	Social and Intellectual History of the United States Since 1865	3
HIST 3346	The Civil War and Reconstruction	3
HIST 3349	The Constitution of the United States	3
HIST 3352	Western America	3
HIST 3353	Southwestern History	3
HIST 3357	History of U.S. Foreign Relations	3
HIST 3359	African American History	3
HIST 3363	Colonial North America to 1763	3
HIST 3365	US Early Republic, 1788-1828	3
HIST 3368A	Introduction to Public History	3
HIST 3368B	Law and Society in Early America	3
HIST 3368E	United States Westward Expansionism, 1776-1861	3
HIST 3368F	History of U.S. Foreign Policy-Making in the Muslim World	3
HIST 3368H	LBJ's America	3
HIST 3368J	The Space Race	3
HIST 3368K	Topics in American Cultural History	3
HIST 3368L	History of Mexican American Music in the Southwest	3
HIST 3368M	Popular Music and Social Movements in 20th Century America	3
HIST 3368N	History of U.S. Foreign Policy in Indochina	3
HIST 3368O	U.S. Foreign Relations from Revolution to Reconstruction	3
HIST 3368P	The U.S. and Britain in the Sixties	3
HIST 3368R	History of Rock and Roll	3
HIST 3368S	History of Music and Race in the American South	3
HIST 3368T	American Songbook	3
HIST 3368U	U.S. - Cuban Relations [1]	3
HIST 3368X	Organization of the Modern American State [1]	3
HIST 3369Y	Black Women and Black Protest in America	3
HIST 3369Z	Immigration and US History	3
HIST 3371A	Conflict and Creativity in U.S. Urban and Suburban History [1]	3
HIST 3372	Texas History: A Survey	3
HIST 3373A	U.S. Women's History to 1877	3
HIST 3373B	U.S. Women's History since 1877	3
HIST 3373C	The History of Rural Women	3
HIST 3375A	Topics in Working Class History	3
HIST 3377	History of Country Music	3
HIST 3378	History of the Blues	3
HIST 3380	The Desegregation of the South from 1944-1970	3
HIST 3381	Democracy and Education	3
HIST 4350W	The Great War	3
HIST 4360	History of the United States, 1945 to 1968	3
HIST 4361	History of the United States, 1968 to the Present	3
HIST 4363	Riddles of the Civil War	3
HIST 4364	Military History of the United States	3
HIST 4365	Age of Revolution in North America, 1763-1789	3
HIST 4367	US Antebellum Era, 1812-1861	3
HIST 4368	War and Society [1]	3
HIST 4369	Introduction to Ethnohistory [1]	3
HIST 4371	Introduction to American Indian History	3
HIST 4372	Mexican American History	3
HIST 4373	Economic and Social History of the Americas [1]	3
HIST 4375A	Critical Issues in Texas History	3
HIST 4375B	African-American Experience in Texas	3
HIST 4376	The History of Texas Music	3
HIST 4388	Problems in History	3
HIST 4390	History Practicum	3

Code	Title	Hours
GROUP D - HISTORY CAPTSTONE AND TEACHER CERTIFICATION PREPARATION		
HIST 4300	Social Studies Resources and Practices	3
HIST 4380	Historical Resources and Practices	3
HIST 4399	Senior Seminar	3

Bachelor of Arts (B.A.) Major in History (Teacher Certification in Social Studies, Grades 7-12: Geography Minor and Political Science Third Field)

Minimum required: 130 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.
6. This degree plan is designed to prepare students for secondary teacher certification in the social studies disciplines: Economics, Geography, Government, and History. The Social Studies Composite with a History major, Geography minor, and Political Science third field requires the following 30 hours of History courses:

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
HIST 1320	History of the United States, 1877 to Date	3
HIST 2311	History of World Civilization to the 17th Century	3
HIST 2312	History of World Civilization from the 17th Century	3
HIST 3372	Texas History: A Survey	3
HIST 4300	Social Studies Resources and Practices	3
Advanced HIST Electives [3]		12
Total Hours		30

7. The minor in Geography requires the following 16 hours of Geography courses:

Code	Title	Hours
GEO 1309	Introduction to Cultural Geography	3
or GEO 1310	World Geography	
GEO 2410	Introduction to Physical Geography	4
GEO 3303	Economic Geography	3
GEO 3309	United States and Canada	3
GEO 3329	Geography of Texas	3
Total Hours		16

8. The third field in Political Science requires the following 15 hours of Political Science courses:

Code	Title	Hours
POSI 2310	Principles of American Government	3
POSI 2320	Functions of American Government	3
Group 2 American Government		6
Group 3 Public Law to be selected from the following:		3
PS 3332	Constitutional Law: Basic Structures and Principles	
PS 3333	Constitutional Law: Individual Liberties	
PS 3331	The Supreme Court and the Judicial Process	
Total Hours		15

9. In addition to the major, minor, and third teaching field requirements, students must also complete 21 hours of professional sequence courses under the College of Education. Students must maintain a 2.5 GPA in the teaching field. All coursework must be completed prior to EDST 4681.
10. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
11. For transfer students, 21 semester credit hours in History (for the teacher certification track) may be transferred from a Texas public institution of higher education for the History Field of Study and be applied to the Bachelor of Arts degree with a major in History at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
TCCN: HIST 1301		
HIST 1320	History of the United States, 1877 to Date	3
TCCN: HIST 1302		
HIST 2311	History of World Civilization to the 17th Century	3
TCCN: HIST 2321		
HIST 2312	History of World Civilization from the 17th Century	3
TCCN: HIST 2322		
HIST ELNA		3
TCCN: HIST 2301		

CI 4332	Secondary Teaching: Curriculum and Technology	3
TCCN: EDUC 1301		
CI 3325	Adolescent Growth and Development	3
TCCN: EDUC 2301		
Total Hours		21

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)[1]	3	ENG 1320 (Communication Component Code 010)[1]	3
US 1100	1	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	Modern Language 1420	4
Modern Language 1410	4	POSI 2320 (Governmen Political Science Component Code 070)	3
Mathematics Component Code 020	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)[1]	3
	14		16

Sophomore

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)[2]	3	BA ENG Literature	3
ENG Literature (Component Area Option Code 090/094)	3	Modern Language 2320	3
Modern Language 2310	3	HIST 2311	3
HIST 1320 (American History Component Code 060)	3	GEO 2410	4
GEO 1309 or 1310	3	POSI Group II Electives	3
	15		16

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	ECO 2301 or 2314 (Social & Behavioral Sciences Component Code 080)	3
GEO 3303	3	CI 4332	3
HIST 2312	3	HIST Advanced Group Electives[3]	3
HIST 3372	3	GEO 3309	3
Life & Physical Sciences Component Code 030	3	POSI Group II Electives	3
	15		15

Senior

First Semester	Hours	Second Semester	Hours	Third Semester	Hours
HIST Advanced Group Electives[3]	6	HIST 4300	3	EDST 4681	6
CI 3325	3	HIST Advanced Group Elective[3]	3		
PS 3332, 3333, or 3331	3	CI 4370	3		
GEO 3329	3	CI 4343	3		
Life & Physical Sciences Component Code 030	3	RDG 3323	3		
	18		15		6

Total Hours: 130

1 Must be completed with a grade of "C" or higher.

2 Must be completed with a grade of "B" or higher. If the grade is lower than a "B", then an interview will need to be scheduled with the Office of Educator Preparation (OEP)

3 In choosing advanced History electives, students are required to complete one advanced course from Group A (World History), one advanced course from Group B (European History), one advanced course from Group C (U.S. History), and one advanced course from either Group A or B.

HIST Advanced Group Electives

Code	Title	Hours
GROUP A - WORLD HISTORY		
HIST 3319	Colonial History of Brazil	3
HIST 3320	History of Mexico	3
HIST 3322	Colonial History of Latin America to 1828	3
HIST 3324	Latin America from Independence to Present	3
HIST 3325F	Militarism in Latin America	3
HIST 3325G	Modern Revolutions in Latin American History	3
HIST 3326	The Southern Cone of Latin America	3
HIST 3327	History of Mexico to 1848	3
HIST 3329	Spanish Borderlands, 1521-1821 [1]	3
HIST 3368F	History of U.S. Foreign Policy-Making in the Muslim World [1]	3
HIST 3368N	History of U.S. Foreign Policy in Indochina [1]	3
HIST 3368U	U.S. - Cuban Relations [1]	3
HIST 4318G	Western Eurpore and the Development of Modern Africa [1]	3
HIST 4318S	Britain and the World [1]	3
HIST 4325	Islamic History to 1798	3
HIST 4326	The Modern Middle East	3
HIST 4327	The Problem of Palestine	3
HIST 4328	History of India	3
HIST 4333	The History of Russia and Eurasia to 1917 [1]	3
HIST 4343	Modern China, 1600-Present	3
HIST 4344	Modern Japan, 1600-Present	3
HIST 4346	Modern Korea	3
HIST 4347	Hong Kong in the Modern World	3
HIST 4348	Mahatma Gandhi and Nonviolence	3
HIST 4350A	Slavery and Emancipation in the Americas	3
HIST 4350B	Origins of the Modern Global Economic System	3
HIST 4350D	Empire and Identity in Central Asia	3
HIST 4350E	Gender in Latin American History	3
HIST 4350F	Postwar Japan	3
HIST 4350J	History and Culture of Modern India	3
HIST 4350K	Gender & Militarization in the Arab World	3
HIST 4350L	History of Southeast Asia	3
HIST 4350N	The 20th Century Middle East: Syria, Iraq, and Palestine	3
HIST 4350O	History of Indochina	3
HIST 4350P	European Colonial	3
HIST 4350R	Workers and Work in the Arab World	3
HIST 4350S	Piracy Through the Ages [1]	3
HIST 4350V	History of Pakistan [1]	3
HIST 4350W	The Great War [1]	3
HIST 4368	War and Society [1]	3
HIST 4369	Introduction to Ethnohistory [1]	3
HIST 4373	Economic and Social History of the Americas [1]	3
HIST 4388	Problems in History	3

Code	Title	Hours
GROUP B - EUROPEAN HISTORY		
HIST 3310	History of Europe, 1815-1919	3
HIST 3311	History of Europe Since 1919	3
HIST 3312	Renaissance and Reformation	3
HIST 3313	Europe During the Old Regime, 1600-1760	3
HIST 3314	Revolutionary Europe, 1760-1815	3
HIST 3315	History of England to 1603	3
HIST 3316	History of England Since 1603	3
HIST 3358	The Military History of the Western Wolrd	3
HIST 3368B	Law and Society in Early America [1]	3
HIST 4303	Ancient Greece and the Mediterranean World, 1600 B.C. to 30 B.C.	3
HIST 4304	Ancient Rome and the Mediterranean 500 B.C. to 500 A.D.	3
HIST 4307	Medieval European History, 300-1400	3
HIST 4317	Tudor-Stuart England, 1485-1689	3
HIST 4318A	Daily Life in the Roman Empire	3
HIST 4318G	Western Eurpore and the Development of Modern Africa	3
HIST 4318O	History of Modern Spain	3
HIST 4318P	France and the Modern World	3
HIST 4318Q	History of Early Modern Spain	3
HIST 4318R	Ancient and Medieval Spain	3
HIST 4318S	Britain and the World [1]	3
HIST 4318T	Topics in Roman and Medieval Britain [1]	3
HIST 4318U	Topics in Industrial Britain [1]	3
HIST 4320	Origins of Christianity	3
HIST 4333	The History of Russia and Eurasia to 1917	3
HIST 4334	The History of Russia and Eurasia from 1917 to Present	3
HIST 4336	Germany from 1815 to Present	3
HIST 4337	Germany and National Socialism, 1918-1945	3
HIST 4350P	European Colonial [1]	3
HIST 4350S	Piracy Through the Ages [1]	3
HIST 4350W	The Great War [1]	3
HIST 4368	War and Society	3
HIST 4388	Problems in History	3

Code	Title	Hours
GROUP C - U.S. HISTORY		
HIST 3329	Spanish Borderlands, 1521-1821 [1]	3
HIST 3340	History of the United States, 1877-1914	3
HIST 3341	History of the United States, 1914-1945	3
HIST 3342	Social and Intellectual History of the United States, 1607-1865	3
HIST 3343	Social and Intellectual History of the United States Since 1865	3

HIST 3346	The Civil War and Reconstruction	3
HIST 3349	The Constitution of the United States	3
HIST 3352	Western America	3
HIST 3353	Southwestern History	3
HIST 3357	History of U.S. Foreign Relations	3
HIST 3359	African American History	3
HIST 3363	Colonial North America to 1763	3
HIST 3365	US Early Republic, 1788-1828	3
HIST 3368A	Introduction to Public History	3
HIST 3368B	Law and Society in Early America	3
HIST 3368E	United States Westward Expansionism, 1776-1861	3
HIST 3368F	History of U.S. Foreign Policy-Making in the Muslim World	3
HIST 3368H	LBJ's America	3
HIST 3368J	The Space Race	3
HIST 3368K	Topics in American Cultural History	3
HIST 3368L	History of Mexican American Music in the Southwest	3
HIST 3368M	Popular Music and Social Movements in 20th Century America	3
HIST 3368N	History of U.S. Foreign Policy in Indochina	3
HIST 3368O	U.S. Foreign Relations from Revolution to Reconstruction	3
HIST 3368P	The U.S. and Britain in the Sixties	3
HIST 3368R	History of Rock and Roll	3
HIST 3368S	History of Music and Race in the American South	3
HIST 3368T	American Songbook	3
HIST 3368U	U.S. - Cuban Relations [1]	3
HIST 3368X	Organization of the Modern American State [1]	3
HIST 3369Y	Black Women and Black Protest in America	3
HIST 3369Z	Immigration and US History	3
HIST 3371A	Conflict and Creativity in U.S. Urban and Suburban History [1]	3
HIST 3372	Texas History: A Survey	3
HIST 3373A	U.S. Women's History to 1877	3
HIST 3373B	U.S. Women's History since 1877	3
HIST 3373C	The History of Rural Women	3
HIST 3375A	Topics in Working Class History	3
HIST 3377	History of Country Music	3
HIST 3378	History of the Blues	3
HIST 3380	The Desegregation of the South from 1944-1970	3
HIST 3381	Democracy and Education	3
HIST 4350W	The Great War	3
HIST 4360	History of the United States, 1945 to 1968	3
HIST 4361	History of the United States, 1968 to the Present	3
HIST 4363	Riddles of the Civil War	3
HIST 4364	Military History of the United States	3
HIST 4365	Age of Revolution in North America, 1763-1789	3
HIST 4367	US Antebellum Era, 1812-1861	3
HIST 4368	War and Society [1]	3
HIST 4369	Introduction to Ethnohistory [1]	3
HIST 4371	Introduction to American Indian History	3
HIST 4372	Mexican American History	3
HIST 4373	Economic and Social History of the Americas [1]	3
HIST 4375A	Critical Issues in Texas History	3
HIST 4375B	African-American Experience in Texas	3
HIST 4376	The History of Texas Music	3
HIST 4388	Problems in History	3
HIST 4390	History Practicum	3

Code	Title	Hours
GROUP D - HISTORY CAPTSTONE AND TEACHER CERTIFICATION PREPARATION		
HIST 4300	Social Studies Resources and Practices	3
HIST 4380	Historical Resources and Practices	3
HIST 4399	Senior Seminar	3

[1] Course allowable for credit in more than one group. Such courses may not be taken to satisfy more than one group.

Bachelor of Arts (B.A.) Major in History (Teacher Certification in Social Studies, Grades 7-12: Political Science Minor and Geography Third Field)

Minimum required: 130 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

6. This degree plan is designed to prepare students for secondary teacher certification in the social studies disciplines: Economics, Geography, Government, and History. The Social Studies Composite with a History major, Political Science minor, and Geography third field requires the following 30 hours of History courses:

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
HIST 1320	History of the United States, 1877 to Date	3
HIST 2311	History of World Civilization to the 17th Century	3
HIST 2312	History of World Civilization from the 17th Century	3
HIST 3372	Texas History: A Survey	3
HIST 4300	Social Studies Resources and Practices	3
Advanced HIST Electives [3]		12
Total Hours		30

7. The minor in Political Science requires the following 21 hours of Political Science courses:

Code	Title	Hours
POSI 2310	Principles of American Government	3
POSI 2320	Functions of American Government	3
PS 3301	Basic Political Institutions	3
Group II (American Government)		6
Group III (Public Law)		
Select three hours from the following:		3
PS 3332	Constitutional Law: Basic Structures and Principles	
PS 3333	Constitutional Law: Individual Liberties	
PS 3331	The Supreme Court and the Judicial Process	
PS 4398	Practicum in Political Science: Concepts, Resources, and Applications in the Study of Politics	
Total Hours		18

8. The third field in Geography requires the following 10 hours of Geography courses:

Code	Title	Hours
GEO 1309	Introduction to Cultural Geography	3
or GEO 1310	World Geography	
GEO 2410	Introduction to Physical Geography	4
GEO 3303	Economic Geography	3
or GEO 3309	United States and Canada	
Total Hours		10

9. In addition to the major, minor, and third teaching field requirements, students must also complete 21 hours of professional sequence courses under the College of Education. Students must maintain a 2.5 GPA in the teaching field. All coursework must be completed prior to EDST 4681.
10. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
11. For transfer students, 21 semester credit hours in History (for the teacher certification track) may be transferred from a Texas public institution of higher education for the History Field of Study and be applied to the Bachelor of Arts degree with a major in History at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
TCCN: HIST 1301		
HIST 1320	History of the United States, 1877 to Date	3
TCCN: HIST 1302		
HIST 2311	History of World Civilization to the 17th Century	3
TCCN: HIST 2321		
HIST 2312	History of World Civilization from the 17th Century	3
TCCN: HIST 2322		
HIST ELNA		3
TCCN: HIST 2301		
CI 4332	Secondary Teaching: Curriculum and Technology	3
TCCN: EDUC 1301		
CI 3325	Adolescent Growth and Development	3
TCCN: EDUC 2301		
Total Hours		21

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010) [1]	3	ENG 1320 (Communication Component Code 010) [1]	3
US 1100	1	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	Modern Language 1420	4
Modern Language 1410	4	POSI 2320 (Governmen Political Science Component Code 070)	3

Mathematics Component Code 020	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)[1]	3
	14		16

Sophomore

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)[2]	3	ENG Literature (Component Area Option Code 090/094)	3
PS 3300 or 3301	3	Modern Language 2320	3
Modern Language 2310	3	HIST 2311	3
HIST 1320 (American History Component Code 060)	3	GEO 2410	4
GEO 1309 or 1310	3	POSI Advanced Group II Electives	3
	15		16

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	ECO 2301 or 2314 (Social & Behavioral Sciences Component Code 080)	3
HIST 2312	3	CI 4332	3
HIST 3372	3	HIST Advanced Group Elective[3]	3
POSI Advanced Group II Electives	3	PS 3332, 3333, or 3331	3
Life & Physical Sciences Component Code 030	3	BA ENG Literature	3
	15		15

Senior

First Semester	Hours	Second Semester	Hours	Third Semester	Hours
HIST Advanced Group Electives[3]	6	HIST 4300	3	EDST 4681	6
GEO 3303 or 3309	3	HIST Advanced Group Elective[3]	3		
CI 3325	3	CI 4370	3		
PS 4398	3	CI 4343	3		
Life & Physical Sciences Component Code 030	3	RDG 3323	3		
	18		15		6

Total Hours: 130

1 Must be completed with a grade of "C" or higher.

2 Must be completed with a grade of "C" or higher. If the grade is lower than a "C", then an interview will need to be scheduled with the Office of Educator Preparation (OEP)

3 In choosing advanced History electives, students are required to complete one advanced course from Group A (World History), one advanced course from Group B (European History), one advanced course from Group C (U.S. History), and one advanced course from either Group A or B. Course allowable for credit in more than one group. Such courses may not be taken to satisfy more than one group.

HIST Advanced Group Electives

Code	Title	Hours
GROUP A - WORLD HISTORY		
HIST 3319	Colonial History of Brazil	3
HIST 3320	History of Mexico	3
HIST 3322	Colonial History of Latin America to 1828	3
HIST 3324	Latin America from Independence to Present	3
HIST 3325F	Militarism in Latin America	3
HIST 3325G	Modern Revolutions in Latin American History	3
HIST 3326	The Southern Cone of Latin America	3
HIST 3327	History of Mexico to 1848	3
HIST 3329	Spanish Borderlands, 1521-1821 [1]	3
HIST 3368F	History of U.S. Foreign Policy-Making in the Muslim World [1]	3
HIST 3368N	History of U.S. Foreign Policy in Indochina [1]	3
HIST 3368U	U.S. - Cuban Relations [1]	3

HIST 4318G	Western Eurpore and the Development of Modern Africa [1]	3
HIST 4318S	Britain and the World [1]	3
HIST 4325	Islamic History to 1798	3
HIST 4326	The Modern Middle East	3
HIST 4327	The Problem of Palestine	3
HIST 4328	History of India	3
HIST 4333	The History of Russia and Eurasia to 1917 [1]	3
HIST 4343	Modern China, 1600-Present	3
HIST 4344	Modern Japan, 1600-Present	3
HIST 4346	Modern Korea	3
HIST 4347	Hong Kong in the Modern World	3
HIST 4348	Mahatma Gandhi and Nonviolence	3
HIST 4350A	Slavery and Emancipation in the Americas	3
HIST 4350B	Origins of the Modern Global Economic System	3
HIST 4350D	Empire and Identity in Central Asia	3
HIST 4350E	Gender in Latin American History	3
HIST 4350F	Postwar Japan	3
HIST 4350J	History and Culture of Modern India	3
HIST 4350K	Gender & Militarization in the Arab World	3
HIST 4350L	History of Southeast Asia	3
HIST 4350N	The 20th Century Middle East: Syria, Iraq, and Palestine	3
HIST 4350O	History of Indochina	3
HIST 4350P	European Colonial	3
HIST 4350R	Workers and Work in the Arab World	3
HIST 4350S	Piracy Through the Ages [1]	3
HIST 4350V	History of Pakistan [1]	3
HIST 4350W	The Great War [1]	3
HIST 4368	War and Society [1]	3
HIST 4369	Introduction to Ethnohistory [1]	3
HIST 4373	Economic and Social History of the Americas [1]	3
HIST 4388	Problems in History	3

Code	Title	Hours
GROUP B - EUROPEAN HISTORY		
HIST 3310	History of Europe, 1815-1919	3
HIST 3311	History of Europe Since 1919	3
HIST 3312	Renaissance and Reformation	3
HIST 3313	Europe During the Old Regime, 1600-1760	3
HIST 3314	Revolutionary Europe, 1760-1815	3
HIST 3315	History of England to 1603	3
HIST 3316	History of England Since 1603	3
HIST 3358	The Military History of the Western Wolrd	3
HIST 3368B	Law and Society in Early America [1]	3
HIST 4303	Ancient Greece and the Mediterranean World, 1600 B.C. to 30 B.C.	3
HIST 4304	Ancient Rome and the Mediterranean 500 B.C. to 500 A.D.	3
HIST 4307	Medieval European History, 300-1400	3
HIST 4317	Tudor-Stuart England, 1485-1689	3
HIST 4318A	Daily Life in the Roman Empire	3
HIST 4318G	Western Eurpore and the Development of Modern Africa	3
HIST 4318O	History of Modern Spain	3
HIST 4318P	France and the Modern World	3
HIST 4318Q	History of Early Modern Spain	3
HIST 4318R	Ancient and Medieval Spain	3
HIST 4318S	Britain and the World [1]	3
HIST 4318T	Topics in Roman and Medieval Britain [1]	3
HIST 4318U	Topics in Industrial Britain [1]	3
HIST 4320	Origins of Christianity	3
HIST 4333	The History of Russia and Eurasia to 1917	3
HIST 4334	The History of Russia and Eurasia from 1917 to Present	3
HIST 4336	Germany from 1815 to Present	3
HIST 4337	Germany and National Socialism, 1918-1945	3
HIST 4350P	European Colonial [1]	3
HIST 4350S	Piracy Through the Ages [1]	3
HIST 4350W	The Great War [1]	3
HIST 4368	War and Society	3
HIST 4388	Problems in History	3

Code	Title	Hours
GROUP C - U.S. HISTORY		
HIST 3329	Spanish Borderlands, 1521-1821 [1]	3
HIST 3340	History of the United States, 1877-1914	3
HIST 3341	History of the United States, 1914-1945	3
HIST 3342	Social and Intellectual History of the United States, 1607-1865	3
HIST 3343	Social and Intellectual History of the United States Since 1865	3
HIST 3346	The Civil War and Reconstruction	3
HIST 3349	The Constitution of the United States	3
HIST 3352	Western America	3
HIST 3353	Southwestern History	3
HIST 3357	History of U.S. Foreign Relations	3
HIST 3359	African American History	3
HIST 3363	Colonial North America to 1763	3
HIST 3365	US Early Republic, 1788-1828	3
HIST 3368A	Introduction to Public History	3
HIST 3368B	Law and Society in Early America	3
HIST 3368E	United States Westward Expansionism, 1776-1861	3
HIST 3368F	History of U.S. Foreign Policy-Making in the Muslim World	3
HIST 3368H	LBJ's America	3
HIST 3368J	The Space Race	3
HIST 3368K	Topics in American Cultural History	3
HIST 3368L	History of Mexican American Music in the Southwest	3
HIST 3368M	Popular Music and Social Movements in 20th Century America	3
HIST 3368N	History of U.S. Foreign Policy in Indochina	3
HIST 3368O	U.S. Foreign Relations from Revolution to Reconstruction	3
HIST 3368P	The U.S. and Britain in the Sixties	3

HIST 3368R	History of Rock and Roll	3
HIST 3368S	History of Music and Race in the American South	3
HIST 3368T	American Songbook	3
HIST 3368U	U.S. - Cuban Relations [1]	3
HIST 3368X	Organization of the Modern American State [1]	3
HIST 3369Y	Black Women and Black Protest in America	3
HIST 3369Z	Immigration and US History	3
HIST 3371A	Conflict and Creativity in U.S. Urban and Suburban History [1]	3
HIST 3372	Texas History: A Survey	3
HIST 3373A	U.S. Women's History to 1877	3
HIST 3373B	U.S. Women's History since 1877	3
HIST 3373C	The History of Rural Women	3
HIST 3375A	Topics in Working Class History	3
HIST 3377	History of Country Music	3
HIST 3378	History of the Blues	3
HIST 3380	The Desegregation of the South from 1944-1970	3
HIST 3381	Democracy and Education	3
HIST 4350W	The Great War	3
HIST 4360	History of the United States, 1945 to 1968	3
HIST 4361	History of the United States, 1968 to the Present	3
HIST 4363	Riddles of the Civil War	3
HIST 4364	Military History of the United States	3
HIST 4365	Age of Revolution in North America, 1763-1789	3
HIST 4367	US Antebellum Era, 1812-1861	3
HIST 4368	War and Society [1]	3
HIST 4369	Introduction to Ethnohistory [1]	3
HIST 4371	Introduction to American Indian History	3
HIST 4372	Mexican American History	3
HIST 4373	Economic and Social History of the Americas [1]	3
HIST 4375A	Critical Issues in Texas History	3
HIST 4375B	African-American Experience in Texas	3
HIST 4376	The History of Texas Music	3
HIST 4388	Problems in History	3
HIST 4390	History Practicum	3

Code	Title	Hours
GROUP D - HISTORY CAPSTONE AND TEACHER CERTIFICATION PREPARATION		
HIST 4300	Social Studies Resources and Practices	3
HIST 4380	Historical Resources and Practices	3
HIST 4399	Senior Seminar	3

Bachelor of Arts (B.A.) Major in History (Two Fields Teacher Certification in History, Grades 7-12)

Minimum required: 129 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required for graduation, which can be completed by courses in the major, minor, or general education core curriculum (not including ENG 1310, ENG 1320).
4. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.
7. This major is designed to prepare students for secondary teacher certification in History and a second teaching field. Students must complete all requirements associated with an approved second teaching field.
8. This major requires 33 History hours including the following History courses:

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
HIST 1320	History of the United States, 1877 to Date	3
HIST 2311	History of World Civilization to the 17th Century	3
HIST 2312	History of World Civilization from the 17th Century	3
HIST 3372	Texas History: A Survey	3
HIST 4380	Historical Resources and Practices	3

Advanced History electives [3]	15
Total Hours	33

9. In addition to the major, minor, and second field requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to EDST 4681.
10. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
11. For transfer students, 21 semester credit hours in History (for the teacher certification track) may be transferred from a Texas public institution of higher education for the History Field of Study and be applied to the Bachelor of Arts degree with a major in History at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
TCCN: HIST 1301		
HIST 1320	History of the United States, 1877 to Date	3
TCCN: HIST 1302		
HIST 2311	History of World Civilization to the 17th Century	3
TCCN: HIST 2321		
HIST 2312	History of World Civilization from the 17th Century	3
TCCN: HIST 2322		
HIST ELNA		3
TCCN: HIST 2301		
CI 4332	Secondary Teaching: Curriculum and Technology	3
TCCN: EDUC 1301		
CI 3325	Adolescent Growth and Development	3
TCCN: EDUC 2301		
Total Hours		21

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)[1]	3	ENG 1320 (Communication Component Code 010)[1]	3
US 1100	1	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	Modern Language 1420	4
Modern Language 1410	4	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)[1]	3
Mathematics Component Code 020	3	POSI 2320 (Government/ Political Science Component Code 070)	3
	14		16

Sophomore

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)[2]	3	BA ENG Literature	3
ENG Literature (Component Area Option Code 090/094)	3	Modern Language 2320	3
Modern Language 2310	3	HIST 2311	3
HIST 1320 (American History Component Code 060)	3	Life & Physical Sciences Component Code 030	3
Social & Behavioral Sciences Component Code 080	3	Second Teaching Field	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	BA Computer Science, Logic, Mathematics or science	3-4
Second Teaching Field	3	CI 4332	3
HIST 2312	3	HIST Advanced Group Electives[3]	6
HIST 3372	3	Second Teaching Field	3
Life & Physical Sciences Component Code 030	3		
	15		15

Senior

First Semester	Hours	Second Semester	Hours	Third Semester	Hours
HIST Advanced Group Electives[3]	6	HIST 4380	3	EDST 4681	6
Second Teaching Field	9	HIST Advanced Group Elective[3]	3		
CI 3325	3	CI 4370	3		
		CI 4343	3		
		RDG 3323	3		
	18		15		6

Total Hours: 129

1 Must be completed with a grade of "C" or higher.

2 Must be completed with a grade of “B” or higher. If the grade is lower than a “B”, then an interview will need to be scheduled with the Office of Educator Preparation (OEP)

3 Students are required to take one course from Group A (World History), one course from Group B (European History), two courses from Group C (U.S. History), and one course from either Group A or B. Course allowable for credit in more than one group. Such courses may not be taken to satisfy more than one group.

HIST Advanced Group Electives

Code	Title	Hours
GROUP A - WORLD HISTORY		
HIST 3319	Colonial History of Brazil	3
HIST 3320	History of Mexico	3
HIST 3322	Colonial History of Latin America to 1828	3
HIST 3324	Latin America from Independence to Present	3
HIST 3325F	Militarism in Latin America	3
HIST 3325G	Modern Revolutions in Latin American History	3
HIST 3326	The Southern Cone of Latin America	3
HIST 3327	History of Mexico to 1848	3
HIST 3329	Spanish Borderlands, 1521-1821 [1]	3
HIST 3368F	History of U.S. Foreign Policy-Making in the Muslim World [1]	3
HIST 3368N	History of U.S. Foreign Policy in Indochina [1]	3
HIST 3368U	U.S. - Cuban Relations [1]	3
HIST 4318G	Western Eurpore and the Development of Modern Africa [1]	3
HIST 4318S	Britain and the World [1]	3
HIST 4325	Islamic History to 1798	3
HIST 4326	The Modern Middle East	3
HIST 4327	The Problem of Palestine	3
HIST 4328	History of India	3
HIST 4333	The History of Russia and Eurasia to 1917 [1]	3
HIST 4343	Modern China, 1600-Present	3
HIST 4344	Modern Japan, 1600-Present	3
HIST 4346	Modern Korea	3
HIST 4347	Hong Kong in the Modern World	3
HIST 4348	Mahatma Gandhi and Nonviolence	3
HIST 4350A	Slavery and Emancipation in the Americas	3
HIST 4350B	Origins of the Modern Global Economic System	3
HIST 4350D	Empire and Identity in Central Asia	3
HIST 4350E	Gender in Latin American History	3
HIST 4350F	Postwar Japan	3
HIST 4350J	History and Culture of Modern India	3
HIST 4350K	Gender & Militarization in the Arab World	3
HIST 4350L	History of Southeast Asia	3
HIST 4350N	The 20th Century Middle East: Syria, Iraq, and Palestine	3
HIST 4350O	History of Indochina	3
HIST 4350P	European Colonial	3
HIST 4350R	Workers and Work in the Arab World	3
HIST 4350S	Piracy Through the Ages [1]	3
HIST 4350V	History of Pakistan [1]	3
HIST 4350W	The Great War [1]	3
HIST 4368	War and Society [1]	3
HIST 4369	Introduction to Ethnohistory [1]	3
HIST 4373	Economic and Social History of the Americas [1]	3
HIST 4388	Problems in History	3

Code	Title	Hours
GROUP B - EUROPEAN HISTORY		
HIST 3310	History of Europe, 1815-1919	3

HIST 3311	History of Europe Since 1919	3
HIST 3312	Renaissance and Reformation	3
HIST 3313	Europe During the Old Regime, 1600-1760	3
HIST 3314	Revolutionary Europe, 1760-1815	3
HIST 3315	History of England to 1603	3
HIST 3316	History of England Since 1603	3
HIST 3358	The Military History of the Western Wolrd	3
HIST 3368B	Law and Society in Early America [1]	3
HIST 4303	Ancient Greece and the Mediterranean World, 1600 B.C. to 30 B.C.	3
HIST 4304	Ancient Rome and the Mediterranean 500 B.C. to 500 A.D.	3
HIST 4307	Medieval European History, 300-1400	3
HIST 4317	Tudor-Stuart England, 1485-1689	3
HIST 4318A	Daily Life in the Roman Empire	3
HIST 4318G	Western Eurpore and the Development of Modern Africa	3
HIST 4318O	History of Modern Spain	3
HIST 4318P	France and the Modern World	3
HIST 4318Q	History of Early Modern Spain	3
HIST 4318R	Ancient and Medieval Spain	3
HIST 4318S	Britain and the World [1]	3
HIST 4318T	Topics in Roman and Medieval Britain [1]	3
HIST 4318U	Topics in Industrial Britain [1]	3
HIST 4320	Origins of Christianity	3
HIST 4333	The History of Russia and Eurasia to 1917	3
HIST 4334	The History of Russia and Eurasia from 1917 to Present	3
HIST 4336	Germany from 1815 to Present	3
HIST 4337	Germany and National Socialism, 1918-1945	3
HIST 4350P	European Colonial [1]	3
HIST 4350S	Piracy Through the Ages [1]	3
HIST 4350W	The Great War [1]	3
HIST 4368	War and Society	3
HIST 4388	Problems in History	3

Code	Title	Hours
GROUP C - U.S. HISTORY		
HIST 3329	Spanish Borderlands, 1521-1821 [1]	3
HIST 3340	History of the United States, 1877-1914	3
HIST 3341	History of the United States, 1914-1945	3
HIST 3342	Social and Intellectual History of the United States, 1607-1865	3
HIST 3343	Social and Intellectual History of the United States Since 1865	3
HIST 3346	The Civil War and Reconstruction	3
HIST 3349	The Constitution of the United States	3
HIST 3352	Western America	3
HIST 3353	Southwestern History	3
HIST 3357	History of U.S. Foreign Relations	3
HIST 3359	African American History	3
HIST 3363	Colonial North America to 1763	3
HIST 3365	US Early Republic, 1788-1828	3
HIST 3368A	Introduction to Public History	3
HIST 3368B	Law and Society in Early America	3
HIST 3368E	United States Westward Expansionism, 1776-1861	3
HIST 3368F	History of U.S. Foreign Policy-Making in the Muslim World	3
HIST 3368H	LBJ's America	3
HIST 3368J	The Space Race	3
HIST 3368K	Topics in American Cultural History	3
HIST 3368L	History of Mexican American Music in the Southwest	3
HIST 3368M	Popular Music and Social Movements in 20th Century America	3
HIST 3368N	History of U.S. Foreign Policy in Indochina	3
HIST 3368O	U.S. Foreign Relations from Revolution to Reconstruction	3
HIST 3368P	The U.S. and Britain in the Sixties	3
HIST 3368R	History of Rock and Roll	3
HIST 3368S	History of Music and Race in the American South	3
HIST 3368T	American Songbook	3
HIST 3368U	U.S. - Cuban Relations [1]	3
HIST 3368X	Organization of the Modern American State [1]	3
HIST 3369Y	Black Women and Black Protest in America	3
HIST 3369Z	Immigration and US History	3
HIST 3371A	Conflict and Creativity in U.S. Urban and Suburban History [1]	3
HIST 3372	Texas History: A Survey	3
HIST 3373A	U.S. Women's History to 1877	3
HIST 3373B	U.S. Women's History since 1877	3
HIST 3373C	The History of Rural Women	3
HIST 3375A	Topics in Working Class History	3
HIST 3377	History of Country Music	3
HIST 3378	History of the Blues	3
HIST 3380	The Desegregation of the South from 1944-1970	3
HIST 3381	Democracy and Education	3
HIST 4350W	The Great War	3
HIST 4360	History of the United States, 1945 to 1968	3
HIST 4361	History of the United States, 1968 to the Present	3
HIST 4363	Riddles of the Civil War	3
HIST 4364	Military History of the United States	3
HIST 4365	Age of Revolution in North America, 1763-1789	3
HIST 4367	US Antebellum Era, 1812-1861	3
HIST 4368	War and Society [1]	3
HIST 4369	Introduction to Ethnohistory [1]	3
HIST 4371	Introduction to American Indian History	3
HIST 4372	Mexican American History	3
HIST 4373	Economic and Social History of the Americas [1]	3
HIST 4375A	Critical Issues in Texas History	3
HIST 4375B	African-American Experience in Texas	3
HIST 4376	The History of Texas Music	3
HIST 4388	Problems in History	3
HIST 4390	History Practicum	3

Code	Title	Hours
GROUP D - HISTORY CAPSTONE AND TEACHER CERTIFICATION PREPARATION		
HIST 4300	Social Studies Resources and Practices	3
HIST 4380	Historical Resources and Practices	3
HIST 4399	Senior Seminar	3

Minor in History

The minor in History requires 24 semester credit hours.

Code	Title	Hours
Required Courses		
HIST 1310	History of the United States to 1877	3
HIST 1320	History of the United States, 1877 to Date	3
HIST 2310	Western Civilization to 1715	3
or HIST 2311	History of World Civilization to the 17th Century	
HIST 2320	Western Civilization, 1715 to Date	3
or HIST 2312	History of World Civilization from the 17th Century	
Electives		
Choose 12 hours of advanced History courses [1]		12
Total Hours		24

[1] In choosing advanced electives, students are required to complete one course from Group A (World History), one course from Group B (European History), one course from Group C (U.S. History), and one additional course from any Group.

Second Teaching Field in History (Grades 7-12)

For students who are seeking a teacher certification within their major and would like a second teaching field in History, the requirements are:

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
HIST 1320	History of the United States, 1877 to Date	3
HIST 2311	History of World Civilization to the 17th Century	3
HIST 2312	History of World Civilization from the 17th Century	3
HIST 3372	Texas History: A Survey	3
HIST 4380	Historical Resources and Practices	3
Select one from Group A (World History)		3
Select one from Group B (European History)		3
Select one from Group C (U.S. History)		3
Total Hours		27

All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Department of Philosophy

Comal Building Room 102
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www.txstate.edu/philosophy (http://www.txstate.edu/philosophy)

Philosophy raises some of the most fundamental questions about our world and ourselves-questions about the nature of reality, knowledge, morality, God, and society. Students of philosophy study the thinking of major philosophers on such matters and learn to think critically and clearly on their own. Our small classes cultivate student-faculty mentoring, research and learning. Our faculty - professional philosophers, authors and leaders in the field - work one-on-one with students, encouraging independent research and professional preparation. And our co-curricular activities and organizations build strong rapport and camaraderie between our students. By fostering a love of learning, an appreciation of the value of critical and reflective thinking, and a collaborative intellectual community; we help prepare our students to become engaged, reflective citizens and lifelong learners while preparing them for graduate study or careers in government, law, the non-profit sector, business, or education.

The Department of Philosophy serves our majors and minors by providing an intensive and flexible course of study through which they rigorously engage in philosophical reflection and dialogue, logical analysis, conceptual interpretation, and develop and critique texts, arguments, and ideas. We help them develop a broad competence in critical thinking and analysis of arguments. Philosophy students pursue the study and understanding of diverse philosophical positions and perspectives, and are encouraged to consider the relevance of philosophy for their post-graduate plans.

Since philosophy is the home of the study of logic and the principles of good argumentation, it lends itself well to being joined with virtually any course of study. Philosophy students are highly valued for their communication skills, their ability to make ethical decisions and their adaptability in new situations. Through the study of philosophy, we learn how to explain why we know what we know and believe what we believe. Not only does this ability make us stand out as citizens and leaders, it also helps us navigate life's choices and better understand our world.

Some philosophy majors pursue careers in business, journalism, law, medicine, and education. In these cases students recognize that the successful practitioner is the good thinker and turn to philosophy to develop their critical and creative powers. Other majors develop an interest in becoming professional philosophers and enroll in some of the nation's best graduate programs in philosophy.

For those students with special interests in a particular area, the department offers the following recommendations:

Pre-Professional Study of Philosophy

Students interested in pursuing graduate work in philosophy are advised to take:

Code	Title	Hours
PHIL 3320	Ethics	3
PHIL 3340	Philosophical Logic	3

PHIL 4356	Philosophical Theory of Knowledge	3
PHIL 4370	Metaphysics	3

They should also develop a language proficiency in Spanish, French or German.

Pre-Law

All pre-law students should consider an undergraduate major in philosophy, given the importance that both philosophy and law attach to analysis, argumentation, and the evaluation of evidence. Pre-law students should also consider taking the following electives:

Code	Title	Hours
PHIL 2330	Elementary Logic	3
PHIL 3320	Ethics	3
PHIL 3322	Professional Ethics	3
PHIL 3323	Environmental Ethics	3
PHIL 3331	Philosophy of Law	3
PHIL 3332	Social and Political Philosophy	3

Pre-Professional Study of Religion

A minor in religious studies is appropriate for various professional plans, including education, journalism, the arts, ministry, and graduate work in religious studies and other humanities and social sciences. Students interested in graduate work in religious studies should combine the minor with a major appropriate to their plans and interests.

Bachelor of Arts (B.A.)

- Philosophy (p. 537)

Minors

- Philosophy (p. 538)
- Religious Studies (p. 538)
- Value Studies (p. 538)

Subjects in this department include: PHIL (p. 531), REL (p. 535)

Courses in Philosophy (PHIL)

PHIL 1305. Philosophy and Critical Thinking.
A study of universal philosophical problems and their solutions with a view toward developing clear thinking about knowledge, belief, and value. Approximately one half of this course will focus on the student's critical thinking skills. Credit cannot be given for both PHIL 1305 and PHIL 3301. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lang, Phil & Culture Core 040|Writing Intensive
Grade Mode: Standard Letter
TCCN: PHIL 1301

PHIL 1320. Ethics and Society.
Study of ethics, its recent focus on social problems, and new fields of inquiry, including environmental ethics, ethics in business, professions, technology and sport. Also such global issues as poverty, minority rights, and stem cell research. Emphasis on development and application of principles of critical thinking and moral reasoning. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lang, Phil & Culture Core 040|Writing Intensive
Grade Mode: Standard Letter
TCCN: PHIL 2306

PHIL 2311. History of Philosophy Before 1600.
Early Greek, Roman, and medieval systems of thought. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
TCCN: PHIL 2316

PHIL 2312. History of Philosophy Since 1600.
Modern philosophical thought through the 19th century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
TCCN: PHIL 2317

PHIL 2330. Elementary Logic.
A study of the nature and forms of correct reasoning, both deductive and inductive.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHIL 2303

PHIL 3301. Philosophical Issues.
The great philosophical concepts that have challenged the best thoughts of people and have contributed to the fulfillment of the good life. Emphasis upon the applicability of those concepts to human life in our time and to the development of intellectual perspective. Approximately one half of this course will focus on the student's critical thinking skills. Credit cannot be given for both PHIL 3301 and PHIL 1305. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3314. American Philosophy.
Examination of contributions of Americans to perennial philosophical issues. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3315. Contemporary Philosophy.
Selected readings in late 19th and 20th century philosophy: existentialism, positivism, analytic philosophy, phenomenology, and pragmatism. Prerequisite: 3 hours of lower division PHIL, PHIL 3301, or consent of instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3316. Existentialism and Phenomenology.
A study of the nature of human experience and existence in the philosophies of Kierkegaard, Nietzsche, Husserl, Heidegger, Sartre, Merleau-Ponty, and Camus. Topics will include freedom, dread, emotion, death, other minds, faith, and the past as experienced by the individual. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3317. Science and Religion.
An examination of modern science and Western religion, and an analysis of the issues and ideas involved in the relationships between them. Prerequisites: 3 hours of lower division PHIL, PHIL 3301, or consent of the instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3318. Reason, God and Nature.
An analysis of the concept of God, terms predicated on God, and theological propositions. An attempt to determine the nature of religious utterances in comparison with those of everyday life, scientific discovery, morality, and imaginative expression. Prerequisite: 3 hours of lower division PHIL, PHIL 3301, or consent of instructor. (Capstone) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3320. Ethics.
A study of classical and contemporary philosophical inquiries into our knowledge of the "good" and the grounds of moral obligation. May be repeated once for additional credit. (Capstone) Prerequisite: Three hours of lower division PHIL, PHIL 3301, or consent of the instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PHIL 3321. Contemporary Moral Problems.
Contemporary Moral Problems. (3-0) Exploration of philosophical dimensions of contemporary moral problems such as abortion, euthanasia, poverty, animal rights, nuclear war, and privacy in a computer age. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. May be repeated once for additional credit. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PHIL 3322. Professional Ethics.
Study of major topics in business and professional ethics, including what a profession is, whether it differs from business, and what is involved with the moral education, social responsibilities, and ethical standards of professionals and business people. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (Capstone) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3323. Environmental Ethics.
Study of ethical issues associated with the environment including nature, use, preservation, and restoration of the environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 3324. Meaning of Life.
Investigation of major theories of the meaning of life in Western and Eastern philosophies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3325. Philosophy of Sex and Love.
Critical survey of major thinking on sex and love from ancient to modern times. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3326. Philosophy and Sport.
Examines philosophical issues in sport, including the social significance of sport, ethical issues, gender equity, sport and race, mind and body in sport, aesthetics, sport and self-knowledge, and the connection of sport and philosophy. Prerequisite: 3 hours of lower division PHIL, PHIL 3301, or consent of instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3331. Philosophy of Law.
The major theses which have been set forth in the history of jurisprudence including foundations of law, natural law, legal positivism, and the judicial process. (Capstone) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3332. Social and Political Philosophy.
Critical examination of major theories concerning the organization of societies and governments. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (Capstone) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3333. Feminist Theory.
This course will examine major feminist theories including liberal feminism, Marxist feminism, radical feminism, and post-modernist feminism with an eye especially to revealing the complexity and diversity of contemporary feminist thought. Prerequisite: Three hours of lower division philosophy, PHIL 3301, WS 3376 or WS 3377, or permission of the instructor. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

PHIL 3340. Philosophical Logic.
Study of the logic of propositions through prepositional calculi, formal proofs, and first-order functional calculi. Also included is an investigation into the philosophical assumptions and implications of formal systems and the axiomatic method as used in logic and mathematics, including the concepts of completeness and consistency. Prerequisite: PHIL 2330 or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 3351. Philosophy and Literature.
The course explores the relation between philosophy and literature. Prerequisite: Three hours lower division PHIL, PHIL 3301, or consent of instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4301. Applied Philosophy.
Practical application of methods and teaching of philosophy to religion, science, morality, politics, art, or literature. The study of one or more of these areas will demonstrate how philosophy contributes to the identification of issues as well as their resolution. May be repeated for credit. Prerequisite: 3 hours of lower division PHIL, PHIL 3301, or consent of instructor. (Capstone) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PHIL 4302. Dialogue.
Study of literature about the nature, purpose, and significance of dialogue along with active participation in the dialogues of the Department of Philosophy's Dialogue Series. (WI) Prerequisite: PHIL 1305 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PHIL 4303. Philosophy of Technology.
Study of philosophical and ethical dimensions of technology including the nature of technology and technological progress, the relation of humans to the technological environment, whether technology is value-laden, and the social character of technology. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4304. Philosophy of Language.
Students will examine the nature, structure, and uses of language and its role in conceptualizing and attempting to solve perennial philosophical problems. Features of language such as meaning, reference, truth, verification, and speech acts will be investigated and applied to issues of metaphysics and ontology, epistemology, ethics, and theory construction. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4327. Bioethics.
In this course students will study ethical issues, dilemmas, codes of conduct, and social responsibilities of health care professionals and bioresearchers. Additionally, students will critically examine issues of ethics and justice in healthcare systems, clinical practice, and biotechnology. (WI) Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4350. Philosophy of the Arts.
A critical and historical analysis of the nature of aesthetic experience and creative genius. Prerequisite: three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (Capstone) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4351. Philosophy of Education.
Study of major philosophical theories on nature, values, and purpose of education. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4355. Philosophical Theory of Science.
Study of the major theories concerning the nature and value of science and the scientific method. Repeatable for credit with different emphasis. Prerequisite: 3 hours of lower division philosophy, PHIL 3301, or consent of instructor. (Capstone) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PHIL 4356. Philosophical Theory of Knowledge.
A study of the major theories concerning knowledge, belief, certainty, and perception. Repeatable for credit with different emphasis. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PHIL 4360A. Ethics and Dementia.
This course provides an opportunity to examine ethical challenges posed by dementia for those with dementia, family members, caregivers, healthcare systems, policy makers, and others. Participants will critically explore ethics and dementia in clinical, social/cultural, everyday life, policy, end-of-life, and individual perspectives. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4360B. Moral Psychology.
This course provides an introduction to the major theories, issues, and research relevant to the field of moral psychology. Drawing from a variety of fields—philosophy, social psychology, cognitive psychology, developmental psychology, and evolutionary theory—we will investigate what morality is, how it develops, and how it functions in society. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4360C. Philosophy, Nonviolence, Sustainability, and Social Change.
In this course students will study themes and concepts related to nonviolence, sustainability, and social change. Participants will critically examine the works of thinkers such as Thoreau, Addams, Tolstoy, Gandhi, King, and Chavez.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4361A. Philosophy of Biology.
In this course students will explore foundational questions in biology concerning the justification of biological theories, methods and concepts. Possible topics include concepts of fitness, units of selection, adaptationism, species, phylogenetic inference, homology, developmental systems, neuroscience, behavioral evolution, cooperation, altruism, evolutionary psychology, evolutionary ethics, cultural evolution, and race and gender. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4361B. Philosophy of the Human Sciences.
This course is a survey of current debates about the structure, nature, role, methodologies, scope, and aim of the human sciences. Prerequisite: Phil 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4361C. Philosophy of Emotion.
In this course students examine the understandings of emotions as developed in the history of philosophy, including topics such as somatic theories, cognitive theories, and philosophical accounts of feelings, mood, and other affective experiences. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4362A. History of Analytic Philosophy.
Students in this course will examine major thinkers, works, theories, and problems of analytic philosophy. Topics will include the philosophy of language, logic, philosophy of mathematics, philosophy of mind, philosophy of science, metaphysics, epistemology, ethics, metaethics, and philosophical methodology. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4362B. 19th-Century Philosophy.
This course offers a detailed introduction to central figures of 19th-century European philosophy such as Hegel, Marx, Kierkegaard, and Nietzsche in the context of their responses to the Enlightenment, the condition of modernity, the growth of democracy, nationalism, capitalism, Darwin, secularization, and the critical project of Kant. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4363A. Philosophy and Science Fiction.
In this course students will examine intersections between philosophy and science fiction around topics such as the nature of reality, the existence and nature of the divine, the limits of human knowledge, the meaning of free will, the notions of personhood, the nature of morality, and the meaning of life. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4370. Metaphysics.
Systematic study of metaphysical problems by examination of classical and modern texts. Topics considered will involve being and unity, mind and matter, God, causation and necessity, free will and determinism. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4371. Asian Philosophy.
The course covers mainly Chinese and Indian philosophy, such as Confucianism, Taoism, Buddhism. How do people in the orient look at the meanings of life, the nature of the world and their place in the world? This course shall shed light on these issues. May be repeated for credit. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

PHIL 4372. Latin American Philosophy.
Study of ancient Latin American thought, including Mayan, Aztec, Toltec, and Incan, pre- and post conquest Latin American philosophy, contemporary Latin American philosophy, and the thinking of Latin Americans in the U.S. (WI) Prerequisite: PHIL 1305 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4373. Themes in Africana Philosophy.
In this course students will examine philosophy and philosophical practice as it emerges from the historical experiences of African Americans and the African Diaspora. Participants in the course will evaluate how the African-American philosophical tradition alters conventional philosophical accounts of subjectivity, knowledge, time, language, history, embodiment, memory, and justice. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4388. Problems in Philosophy.
Independent study of specific problems in philosophy. Open to students on an individual or small group basis by arrangement with the Department of Philosophy. Problem area, bibliography, and study paper outline are to be approved by the instructor. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. May be repeated once for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Courses in Religion (REL)

REL 1300. World Religions.
This course will be a survey and comparative study of the major religions of the world including Judaism, Christianity, Islam, Hinduism, Buddhism, Taoism, Confucianism, and the Indigenous Religions. Recommended as an entry course for religion minors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHIL 1304

REL 2310. Introduction to the Hebrew Bible.
An introduction to the contemporary academic study of the Hebrew Bible ("Old Testament") and related Near Eastern and Second Temple Jewish literature. Representative texts will be examined using the historical and literary methods of scholarship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REL 2315. Introduction to the New Testament.
An introduction to the contemporary academic study of the New Testament, including apocryphal and post-canonical works. Representative texts will be examined using the historical and literary methods of scholarship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REL 2321. Founders, Prophets and Saints.
Critical analysis of the life, works, and thought of a major religious figure, e.g., Jesus, Paul, Luther, St. Teresa, Maimonides, the Baal Shem Tov, Mohammad, al-Ghazzali, Rumi, Buddha, Gandhi. May be repeated for credit. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REL 2350. Mediterranean and European Religions.
This course is a survey of religions that originated in the Near East, Mediterranean, and Europe, with emphasis on the ancient to medieval periods. The course includes Judaism, Christianity, and Islam, in the contexts of Egyptian, Persian, Greco-Roman, and old European traditions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REL 2360. Asian Religious Traditions.
This course is a survey of the major religious traditions originating in Asia: Hinduism, Buddhism, Taoism, and others. Basic doctrines and practices will be covered in an historical framework. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 3320. Judaism.
This course surveys the history, practices, core texts, and major movements of Rabbinic Judaism, from the destruction of the Second Temple to the contemporary global scene. Some attention is also given to earlier Israelite religion, dissident movements, mysticism, and Jewish communities beyond the Euro-American zone.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 3330. Religious Controversy in America.
Students in this course will analyze religious controversies and crises in America from the colonies to the present in order to interpret the role of religion in American history, culture, law, and politics. Topics include the Salem Witch Trials, the Jim Jones massacre, and Ten Commandments monuments on government propoerty. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REL 3335. Cults and New Religious Movements.
This course will investigate New Religious Movements (NRMs) primarily within the contemporary American context. Controversial and emerging religions can be approached from many angles. Accordingly, the course will introduce students to a variety of theoretical perspectives and approaches for studying NRMs. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REL 3340. Religion, Literature, and the Arts.
The course features a thematic selection of literary and artistic works in order to examine the connections and disconnections between the aesthetic and religious aspects of human culture. May be taken twice for credit with different topics. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REL 3342. The Homeric Epic: The Illiad and the Odyssey.
A close reading of the Iliad and the Odyssey in English translation, with emphasis on philosophical and religious issues. Prominent topics include the gods, religious rituals, heroic ethics, and the human condition. The course also considers the concept of a classic in religion and literature. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REL 3361A. Religion and Film.
This course examines how religions are reflected in film and how films have taken on some of the functions of religion. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

REL 3361B. Mysticism.
This course explores the dimension of mysticism that pervades both Western and Eastern religious traditions. We will analyze the nature of mystical experiences through a study of key figures and texts, and examine its peculiar relationship to language, arts, and human subjectivity and its place in the wider social context. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

REL 3361C. Philosophical Issues in Judaism, Christianity, and Islam.
This course provides a comparative perspective on philosophical issues that arise in Judaism, Christianity, and Islam, including the nature of God, reason and revelation, and religious ethics. Readings will draw on both classical and contemporary sources. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

REL 3370. Mythology and Cosmology.
This course examines human efforts to address questions of cosmic origins, with a global, comparative survey of cosmogonic (creation) myths and a historical approach to modern cosmology. It examines the features and functions of mythopoetic and scientific thought, and reflects philosophically on questions of origin and meaning. May be taken twice for credit with different topics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

REL 3372. Apocalypticism.
An historical-cultural survey of end-of-the-world literature, art, and thought in Western Civilization, from ancient Judaism and Christianity to the present. Historical and scientific methods provide the framework for this course. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 3381. The Philosophical and Spiritual Heritage of India.
Indian philosophers predominantly present a spiritual, multi-dimensional outlook on the nature of reality and human consciousness; they combine reason, experience, yoga and meditation as methods of inquiry. This course will explore Indian spiritual philosophy from the time of the ancient Vedas to the contribution of modern sages. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 3383. An Introduction to Chinese Religions.
This course examines the religious history of China from 3000 BCE to the present-day. It will cover beliefs, practices, and histories of the four major religious communities in China—Buddhism, Daoism, Confucianism, and "Popular Religion"—as well as expressions of minority religions in China such as Islam and Christianity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 3385. Buddhism.
This course surveys the main ideas, myths, symbols and practices of the diverse forms of Buddhism. Students will also get acquainted with the manner in which Buddhist perspectives have influenced social values and arts in the South East and East Asian cultures. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 3386. Principles of Yoga.
This course is an in-depth study of the principles and major texts of yoga. We explore the yogic conception of the mind and the body and how it relates to psychoanalytic and neuroscientific frameworks. We also examine the parallels between the discipline of yoga and practices in other religious traditions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 4300. Advanced Methods in Religious Studies.
This course provides a rigorous grounding in the intellectual tradition of academic religious studies. It includes the major theorists and a sustained examination of the problem of method. This course is strongly urged for RS minors and students intending graduate work in the field. Prerequisite: ANTH 3305 or ANTH 3322 or ANTH 3326 or ANTH 3332 or ANTH 3349 or ANTH 4320 or ARTH 2301 or ARTH 2302 or ENG 3329 or HIST 3312 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 4388. Problems in Religion.
Independent study of specific topics in religion. Open to students on an individual or small group basis. May be repeated for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in Philosophy

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
7. The Bachelor of Arts (B.A.) degree with a major in Philosophy requires 30 hours including the following Philosophy courses:

Code	Title	Hours
PHIL 1305	Philosophy and Critical Thinking	3
or PHIL 1320	Ethics and Society	
PHIL 2311	History of Philosophy Before 1600	3
PHIL 2312	History of Philosophy Since 1600	3
PHIL 2330	Elementary Logic	3
PHIL 3320	Ethics	3
or PHIL 3332	Social and Political Philosophy	
or PHIL 4350	Philosophy of the Arts	
PHIL 4370	Metaphysics	3
or PHIL 4355	Philosophical Theory of Science	
or PHIL 4356	Philosophical Theory of Knowledge	
Advanced Philosophy Electives		12
Total Hours		30

8. Graduating seniors must submit a portfolio of their work and participate in an exit interview with the Philosophy faculty. Details about the portfolio are available in the Department's main office.

Course Requirements

				Freshman
First Semester	Hours		Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3		Modern Language 1420	4
US 1100	1		ENG 1320 (Communication Component Code 010)	3
Modern Language 1410	4		PHIL 2330 (BA Computer Science, Logic, Mathematics or science)	3
Life & Physical Sciences Component Code 030	3		Life & Physical Sciences Component Code 030	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3		COMM 1310 (Component Area Option Code 090/091)	3
Elective	3			
	17			16

				Sophomore
First Semester	Hours		Second Semester	Hours
POSI 2310 (Government/Political Science Component Code 070)	3		POSI 2320 (Government/Political Science Component Code 070)	3
Modern Language 2310	3		PHIL 2312	3
Mathematics Component Code 020	3		ENG Literature (Component Area Option Code 090/094)	3
PHIL 2311	3		Modern Language 2320	3
HIST 1310 (American History Component Code 060)	3		HIST 1320 (American History Component Code 060)	3
	15			15

				Junior
First Semester	Hours		Second Semester	Hours
PHIL Advanced Electives	3		PHIL 3320, 3332, or 4350	3
PHIL 4370, 4355, or 4356	3		Social & Behavioral Sciences Component Code 080	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		Minor	6
Minor	3			
BA ENG Literature	3			
	15			12

				Senior
First Semester	Hours		Second Semester	Hours
PHIL Advanced Electives	6		PHIL Advanced Electives	3
Electives (as needed)	6		Minor	6
Minor	3		Electives (as needed)	6
	15			15

Total Hours: 120

Minor in Philosophy

The minor in Philosophy requires 18 semester credit hours.

Code	Title	Hours
Required Course		
PHIL 1305	Philosophy and Critical Thinking	3
Electives		
Choose 15 hours of PHIL courses, 12 of which must be advanced		15
Total Hours		18

Minor in Religious Studies

The minor in Religious Studies requires **18 semester credit hours**, including the following requirements:

1. Either REL 1300 or REL 4300 are required of all minors.
2. At least 9 hours of coursework in the minor must be in REL courses. HON courses taught by regular Religious Studies faculty members may be counted toward this requirement.
3. At least 12 hours of all courses toward the minor must be advanced (3000- or 4000-level).

Code	Title	Hours
Required Course:		
REL 1300	World Religions	3
or REL 4300	Advanced Methods in Religious Studies	
Electives (Select 15 hours from the following:		15
REL 2310	Introduction to the Hebrew Bible	
REL 2315	Introduction to the New Testament	
REL 2321	Founders, Prophets and Saints	
REL 2350	Mediterranean and European Religions	
REL 2360	Asian Religious Traditions	
REL 3320	Judaism	
REL 3330	Religious Controversy in America	
REL 3335	Cults and New Religious Movements	
REL 3340	Religion, Literature, and the Arts	
REL 3342	The Homeric Epic: The Illiad and the Odyssey	
REL 3361	Topics in Comparative Religions	
REL 3361A	Religion and Film	
REL 3361B	Mysticism	
REL 3361C	Philosophical Issues in Judaism, Christianity, and Islam	
REL 3370	Mythology and Cosmology	
REL 3372	Apocalypticism	
REL 3381	The Philosophical and Spiritual Heritage of India	
REL 3383	An Introduction to Chinese Religions	
REL 3385	Buddhism	
REL 3386	Principles of Yoga	
REL 4388	Problems in Religion	
HON 2305C	Italy and Arts of the Islamic World	
HON 3390H	Nature of Society: The Problem of Evil	
HON 3395J	The Meaning of Death	
HON 3396D	Mythology, Science and Creation	
HON 3397R	Demonology, Possession, and Exorcism	
HON 3398N	The Anthropology of Religion and Fundamentalism	
ANTH 3305	Magic, Ritual and Religion	
ANTH 3322	Peoples and Cultures of Africa	
ANTH 3332	Myths and Moundbuilders	
ANTH 3349	The Incas	
ANTH 4320	Rise of Civilization	
ARTH 2301	Ancient to Medieval Art	
ARTH 2302	Renaissance to Modern Art	
ENG 3329	Mythology	
HIST 3312	Renaissance and Reformation	
HIST 4320	Origins of Christianity	
HIST 4325	Islamic History to 1798	
HIST 4348	Mahatma Gandhi and Nonviolence	
PHIL 3317	Science and Religion	
PHIL 3318	Reason, God and Nature	
PHIL 4371	Asian Philosophy	
PHIL 4388	Problems in Philosophy	
PS 4327	Religion and American Public Life	
PS 4331	Islamic Law and Politics	
PS 4313	The Holocaust	
Total Hours		18

Minor in Value Studies

The minor in Value Studies requires 18 semester credit hours. The minor allows a student with special interests in value theory to pursue a course of study, which culminates in an independent research project in value studies. This project may be a study of a theoretical issue in value studies or something of an applied nature; students may affiliate with people in various work environments or service learning settings to identify value conflicts and suggest resolutions.

Code	Title	Hours
Required Courses		
PHIL 1305	Philosophy and Critical Thinking	3
PHIL 4388	Problems in Philosophy (for the independent research project)	3
Choose 12 hours from the following:		12
PHIL 3320	Ethics	
PHIL 3321	Contemporary Moral Problems	
PHIL 3322	Professional Ethics	
PHIL 3323	Environmental Ethics	
PHIL 3324	Meaning of Life	
PHIL 3326	Philosophy and Sport	
PHIL 3331	Philosophy of Law	
PHIL 3332	Social and Political Philosophy	
PHIL 3333	Feminist Theory	
PHIL 4303	Philosophy of Technology	
PHIL 4350	Philosophy of the Arts	
PHIL 4351	Philosophy of Education	
Total Hours		18

Department of Political Science

Undergraduate Academic Center 355A

T: 512. 245.2143 F: 512. 245.7815
www.polisci.txstate.edu (http://www.polisci.txstate.edu)

Political science is the study of government, the most important decision-making part of society, and of the social, economic, and other institutions and practices that influence this decision-making process. On the one hand, it is a discipline that can trace its roots to the ancient Greek political community, the polis; but it is also a modern social science, which uses techniques such as content analysis, public opinion surveys, and statistical analysis to create and evaluate generalizations about how government and people behave.

As a liberal arts discipline, the department is dedicated to developing analytical skills, effective oral and written communication, and promoting critical thinking. Students are encouraged to reflect not simply on their career goals, but also on what type of persons they want to become, and on their rights and duties as citizens. The department offers students the opportunity to earn up to six credit hours in an internship program in which students gain practical experience by working for various federal, state, local or non-profit community agencies.

Political science prepares students for careers in various fields, not only in government, law, and education but also in business, journalism, urban planning, and many fields on which public policies have a significant effect.

Recognition of Student Scholarship

The Annual Professor Henderson Award

The Department of Political Science annually presents the Professor Henderson Award to the graduating Political Science major with the highest overall GPA (the award may be for either a December or May graduate of the current academic year). The award has the purpose of recognizing and honoring a student of Political Science who has, as a student at Texas State, displayed academic excellence and character in the tradition and values cherished and exhibited by Richard B. Henderson, Distinguished Professor Emeritus.

The Howard M. "Prof" Greene Award

This award honors an academic mentor in politics to Lyndon B. Johnson and thousands of other Texas State alumni and goes to one or more graduating Political Science majors who have earned overall Texas State grade-point averages of 3.9 or above.

Interested students who believe they may be eligible for these awards should consult with the Department Chair.

Bachelor of Arts (B.A.)

- Major in Political Science (p. 539)
- Major in Political Science (Teacher Certification in Social Studies, Grades 7-12: Geography Minor and History Third Field) (p. 541)
- Major in Political Science (Teacher Certification in Social Studies, Grades 7-12: History Minor and Geography Third Field) (p. 544)

Bachelor of Public Administration (B.P.A.)

- Major in Public Administration (p. 547)

Minors

- Political Communication (p. 548)
- Political Science (p. 548)
- Public Administration (p. 548)

Courses in Political Science (POSI)

POSI 2310. Principles of American Government.
A survey of the principles of political science, of the American system of government, and of the origins and development of the constitutions of the United States and Texas. Satisfies the legislative requirements for teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Govt/Pol Science Core 070
Grade Mode: Standard Letter
TCCN: GOVT 2306

POSI 2320. Functions of American Government.
This course is a study of functions performed in the American system of government, both national and state, within the framework of the U.S. and Texas Constitutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Govt/Pol Science Core 070
Grade Mode: Standard Letter
TCCN: GOVT 2305

Bachelor of Arts (B.A.) Major in Political Science

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine hours of writing intensive (WI) courses are required for graduation.
6. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
7. For transfer students, 12 semester credit hours in government and mathematics (or their equivalents) may be transferred from a Texas public institution of higher education for the Political Science and Government Field of Study and be applied to the

Bachelor of Arts degree with a major in Political Science at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
PS 2304	Introduction to Political Science	3
TCCN: GOVT 2304		
POSI 2310	Principles of American Government	3
TCCN: GOVT 2306		
POSI 2320	Functions of American Government	3
TCCN: GOVT 2305		
Any MATH course coded Mathematics Core Curriculum Component Code 020		3
TCCN: MATH 1342		
Total Hours		12

8. Students in the Bachelor of Arts (B.A.) degree with a major in Political Science must take a minimum of 36 hours in Political Science including the following courses:

Code	Title	Hours
POSI 2310 & POSI 2320	Principles of American Government and Functions of American Government	6
PS 2304	Introduction to Political Science	3
PS 3300	Basic Political Ideas	3
or PS 3301	Basic Political Institutions	
One advanced course from four of the five groups:		12
I. Political Theory and Methodology		
II. American Government		
III. Public Law and Public Administration		
IV. Comparative Government		
V. International Relations		
Advanced PS electives		9
PS 4399	Senior Seminar in Political Science	3
or PS 4398	Practicum in Political Science: Concepts, Resources, and Applications in the Study of Politics	
Total Hours		36

[1] PS 3300 or PS 3301 serve as corequisites for all advanced courses in political science.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
US 1100	1	POSI 2320 (Government/ Political Science Component Code 070)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	Modern Language 1420	4
Modern Language 1410	4	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Mathematics Component Code 020	3	ENG 1320 (Communication Component Code 010)	3
	14		16

Sophomore

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3	Modern Language 2320	3
ENG Literature (Component Area Option Code 090/094)	3	PS 2304	3
Modern Language 2310	3	Social & Behavioral Sciences Component Code 080	3
HIST 1320 (American History Component Code 060)	3	Life & Physical Sciences Component Code 030	3
PS 3300 or 3301	3	Minor	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	PS Advanced Group Electives	6
Life & Physical Sciences Component Code 030	3	BA Computer Science, Logic, Mathematics or science	3
HIST 2310 or 2311[1]	3	HIST 2312 or 2320[1]	3
PS Advanced Group Elective	3	Minor	3
BA ENG Literature	3		
	15		15

Senior

First Semester	Hours	Second Semester	Hours
Minor	9	Electives as needed	6
PS Advanced Group Electives	6	PS Advanced Elective	3
		Minor	3
		PS 4398 or 4399[2]	3
	15		15

Total Hours: 120

[1] Students are required to complete 6 additional hours of history in Western or World Civilization (HIST 2310 or HIST 2311 and HIST 2312 or HIST 2320).

[2] The senior seminar courses (PS 4398 or PS 4399) have a prerequisite of at least 21 hours of Political Science.

Political Science Advanced Group Electives

Code	Title	Hours
GROUP I - POLITICAL THEORY AND METHODOLOGY		
PS 3311	American Political Thought: From the Colonial Period to Civil War	3
PS 4311	Ancient and Medieval Political Thought (Greeks to 1600)	3
PS 3313	Contemporary Political Theory	3

PS 4312	Modern Political Theory (1600 - 1900)	3
PS 3315	Quantitative Research in Political Science	3
PS 4313	The Holocaust	3
PS 3314	Politics and Personality	3

Code	Title	Hours
GROUP II - AMERICAN GOVERNMENT		
PS 3327	The American Founding	3
PS 4327	Religion and American Public Life	3
PS 3322	Political Parties and Party Politics	3
PS 3323	Congress and the Legislative Process	3
PS 3324	The American Presidency	3
PS 3325	State and Local Government	3
PA 3316	Metropolitan Politics	3
PA 3351	Urban Management and Regional Policy	3
PS 3328	Politics in Film	3
PS 3326	Issues and Interest Groups: Power and Pressure in America	3
PS 4324	Women in Politics	3
PS 4323	Latina/o Politics	3
PS 3321	Campaigns and Elections	3
PS 4325	Texas Politics	3
PS 4326	Media and Public Opinion	3
PS 4321	American Foreign Policy	3
PA 4362	Government, Nonprofit and American Business	3

Code	Title	Hours
GROUP III - PUBLIC LAW AND PUBLIC ADMINISTRATION		
PS 3332	Constitutional Law: Basic Structures and Principles	3
PS 3333	Constitutional Law: Individual Liberties	3
PA 3300	Introduction to Public and Nonprofit Administration	3
PA 3330	Public Personnel and Human Resource Administration	3
PA 4352	Comparative Public Administration	3
PA 3310	Public Finance Administration	3
PS 4334	Legal Theories and Research	3
PS 3334	Civil Law in American Society	3
PS 4333	Issues in Law and Public Policy	3
PS 3331	The Supreme Court and the Judicial Process	3
PA 3350	Public Policy Process	3
PA 3340	Administrative Law	3

Code	Title	Hours
GROUP IV - COMPARATIVE GOVERNMENT		
PS 4342	Economic Development in Latin America	3
PS 3341	Comparative Politics	3
PS 3347	Politics of Modern Southeast Asia	3
PS 4331	Islamic Law and Politics	3
PS 3348	Revolution and Nationalism	3
PS 3352	Theories of International Politics	3
PS 3343	Government and Politics of Latin America	3
PS 3344	Government and Politics of Europe	3
PS 3345	Government and Politics of Russia	3
PS 4346	Organization of American States	3
PS 4343	Politics of Democratization in Developing Countries	3
PS 3346	Government and Politics of Asia	3
PS 3342	African Politics	3
PS 4344	The Politics of Extremism	3

Code	Title	Hours
GROUP V - INTERNATIONAL RELATIONS		
PS 3351	Introduction to International Studies	3
PS 4341	Civil-Military Relations in Comparative Politics	3
PS 3353	Issues in World Politics	3
PS 3352	Theories of International Politics	3
PS 4352	International Law	3
PS 4353	International Organizations	3
PS 3354	United States-Latin America Relations	3
PS 4354	Politics of International Economic Relations	3
PS 4351	International Conflict and Security	3

Bachelor of Arts (B.A.) Major in Political Science (Teacher Certification in Social Studies, Grades 7-12: Geography Minor and History Third Field)

Minimum required: 130 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. For transfer students, 12 semester credit hours in government and mathematics (or their equivalents) may be transferred from a Texas public institution of higher education for the Political Science and Government Field of Study and be applied to the Bachelor of Arts degree with a major in Political Science at Texas State University. More information about the Field of Study (http://

mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
PS 2304	Introduction to Political Science	3
TCCN: GOVT 2304		
POSI 2310	Principles of American Government	3
TCCN: GOVT 2306		
POSI 2320	Functions of American Government	3
TCCN: GOVT 2305		
Any MATH course coded Mathematics Core Curriculum Component Code 020		3
TCCN: MATH 1342		
Total Hours		12

6. This degree plan is designed to prepare students for secondary teacher certification in the social studies disciplines: Economics, Geography, Government, and History. The Social Studies Composite with a Political Science major, Geography minor, and History third field requires the following 30 hours of Political Science and History courses:

Code	Title	Hours
POSI 2310	Principles of American Government	3
POSI 2320	Functions of American Government	3
PS 3300	Basic Political Ideas	3
or PS 3301	Basic Political Institutions	
PS 4398	Practicum in Political Science: Concepts, Resources, and Applications in the Study of Politics	3
One advanced PS course from four of the five groups of PS courses		12
PS Advanced Elective		3
HIST 4300	Social Studies Resources and Practices	3
Total Hours		30

7. The minor in Geography requires the following 16 hours of Geography courses:

Code	Title	Hours
GEO 1309	Introduction to Cultural Geography	3
or GEO 1310	World Geography	
GEO 2410	Introduction to Physical Geography	4
GEO 3303	Economic Geography	3
GEO 3309	United States and Canada	3
GEO 3329	Geography of Texas	3
Total Hours		16

8. The third field in History requires the following 15 hours of History courses:

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
HIST 1320	History of the United States, 1877 to Date	3
HIST 2311	History of World Civilization to the 17th Century	3
HIST 2312	History of World Civilization from the 17th Century	3
HIST 3372	Texas History: A Survey (U.S. History)	3
Total Hours		15

9. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
10. In addition to the major, minor, and third field requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to EDST 4681.
11. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
US 1100	1	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
Modern Language 1410	4	Modern Language 1420	4
Mathematics Component Code 020	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	14		16

Sophomore

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3	PS Advanced Group Elective	3
ENG Literature (Component Area Option Code 090/094)	3	Modern Language 2320	3
Modern Language 2310	3	GEO 1309 or 1310	3
HIST 1320 (American History Component Code 060)	3	Life & Physical Sciences Component Code 030	3
PS 3300 or 3301	3	HIST 2311	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	PS Advanced Group Electives	6
Life & Physical Sciences Component Code 030	3	GEO 2410	4
HIST 2312	3	HIST 3372	3
PS Advanced Group Elective	3	GEO 3303	3
BA ENG Literature	3		
	15		16

Senior

First Semester	Hours	Second Semester	Hours	Third Semester	Hours
CI 4332	3	CI 3325	3	EDST 4681	6
GEO 3309	3	PS 4398	3		
PS Advanced Elective	3	HIST 4300	3		
GEO 3329	3	CI 4370	3		
ECO 2301 or 2314 (Social & Behavioral Sciences Component Code 080)	3	CI 4343	3		
		RDG 3323	3		
	15		18		6

Total Hours: 130

Political Science Advanced Group Electives

Code	Title	Hours
GROUP I - POLITICAL THEORY AND METHODOLOGY		
PS 3311	American Political Thought: From the Colonial Period to Civil War	3
PS 4311	Ancient and Medieval Political Thought (Greeks to 1600)	3
PS 3313	Contemporary Political Theory	3
PS 4312	Modern Political Theory (1600 - 1900)	3
PS 3315	Quantitative Research in Political Science	3
PS 4313	The Holocaust	3
PS 3314	Politics and Personality	3

Code	Title	Hours
GROUP II - AMERICAN GOVERNMENT		
PS 3327	The American Founding	3
PS 4327	Religion and American Public Life	3
PS 3322	Political Parties and Party Politics	3
PS 3323	Congress and the Legislative Process	3
PS 3324	The American Presidency	3
PS 3325	State and Local Government	3
PA 3316	Metropolitan Politics	3
PA 3351	Urban Management and Regional Policy	3
PS 3328	Politics in Film	3
PS 3326	Issues and Interest Groups: Power and Pressure in America	3
PS 4324	Women in Politics	3
PS 4323	Latina/o Politics	3
PS 3321	Campaigns and Elections	3
PS 4325	Texas Politics	3
PS 4326	Media and Public Opinion	3
PS 4321	American Foreign Policy	3
PA 4362	Government, Nonprofit and American Business	3

Code	Title	Hours
GROUP III - PUBLIC LAW AND PUBLIC ADMINISTRATION		
PS 3332	Constitutional Law: Basic Structures and Principles	3
PS 3333	Constitutional Law: Individual Liberties	3

PA 3300	Introduction to Public and Nonprofit Administration	3
PA 3330	Public Personnel and Human Resource Administration	3
PA 4352	Comparative Public Administration	3
PA 3310	Public Finance Administration	3
PS 4334	Legal Theories and Research	3
PS 3334	Civil Law in American Society	3
PS 4333	Issues in Law and Public Policy	3
PS 3331	The Supreme Court and the Judicial Process	3
PA 3350	Public Policy Process	3
PA 3340	Administrative Law	3

Code	Title	Hours
GROUP IV - COMPARATIVE GOVERNMENT		
PS 4342	Economic Development in Latin America	3
PS 3341	Comparative Politics	3
PS 3347	Politics of Modern Southeast Asia	3
PS 4331	Islamic Law and Politics	3
PS 3348	Revolution and Nationalism	3
PS 3352	Theories of International Politics	3
PS 3343	Government and Politics of Latin America	3
PS 3344	Government and Politics of Europe	3
PS 3345	Government and Politics of Russia	3
PS 4346	Organization of American States	3
PS 4343	Politics of Democratization in Developing Countries	3
PS 3346	Government and Politics of Asia	3
PS 3342	African Politics	3
PS 4344	The Politics of Extremism	3

Code	Title	Hours
GROUP V - INTERNATIONAL RELATIONS		
PS 3351	Introduction to International Studies	3
PS 4341	Civil-Military Relations in Comparative Politics	3
PS 3353	Issues in World Politics	3
PS 3352	Theories of International Politics	3
PS 4352	International Law	3
PS 4353	International Organizations	3
PS 3354	United States-Latin America Relations	3
PS 4354	Politics of International Economic Relations	3
PS 4351	International Conflict and Security	3

Bachelor of Arts (B.A.) Major in Political Science (Teacher Certification in Social Studies, Grades 7-12: History Minor and Geography Third Field)

Minimum required: 130 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. For transfer students, 12 semester credit hours in government and mathematics (or their equivalents) may be transferred from a Texas public institution of higher education for the Political Science and Government Field of Study and be applied to the Bachelor of Arts degree with a major in Political Science at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
PS 2304	Introduction to Political Science	3
TCCN: GOVT 2304		
POSI 2310	Principles of American Government	3
TCCN: GOVT 2306		
POSI 2320	Functions of American Government	3
TCCN: GOVT 2305		
Any MATH course coded Mathematics Core Curriculum Component Code 020		3
TCCN: MATH 1342		
Total Hours		12

6. This degree plan is designed to prepare students for secondary teacher certification in the social studies disciplines: Economics, Geography, Government, and History. The Social Studies Composite

with a Political Science major, History minor, and Geography third field requires the following 30 hours of Political Science courses:

Code	Title	Hours
PS 3300	Basic Political Ideas	3
or PS 3301	Basic Political Institutions	
POSI 2310	Principles of American Government	3
POSI 2320	Functions of American Government	3
One advanced course from four of the five groups		12
PS 4398	Practicum in Political Science: Concepts, Resources, and Applications in the Study of Politics	3
PS Advanced Elective		3
HIST 4300	Social Studies Resources and Practices	3
Total Hours		30

7. The minor in History requires the following 21 hours of History courses:

Code	Title	Hours
HIST 1310	History of the United States to 1877	3
HIST 1320	History of the United States, 1877 to Date	3
HIST 2311	History of World Civilization to the 17th Century	3
HIST 2312	History of World Civilization from the 17th Century	3
Advanced Group A (World) course		3
Advanced Group B (European) course		3
HIST 3372	Texas History: A Survey (Group C, U.S. History)	3
Total Hours		21

8. The third field in Geography requires the following 10 hours of Geography courses:

Code	Title	Hours
GEO 1309	Introduction to Cultural Geography	3
or GEO 1310	World Geography	
GEO 2410	Introduction to Physical Geography	4
GEO 3303	Economic Geography	3
or GEO 3309	United States and Canada	
Total Hours		10

9. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
10. In addition to the major, minor, and third field requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to EDST 4681.
11. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
US 1100	1	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
Modern Language 1410	4	Modern Language 1420	4
Mathematics Component Code 020	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	14		16

Sophomore

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3	PS Advanced Group Elective	3
ENG Literature (Component Area Option Code 090/094)	3	Modern Language 2320	3
Modern Language 2310	3	GEO 1309 or 1310	3
HIST 1320 (American History Component Code 060)	3	Life & Physical Sciences Component Code 030	3

PS 3300 or 3301	3	HIST 2311	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	PS Advanced Group Electives	6
Life & Physical Sciences Component Code 030	3	GEO 2410	4
HIST 2312	3	HIST Advanced Group A	3
PS Advanced Group Elective	3	GEO 3303 or 3309	3
BA ENG Literature	3		
	15		16

Senior

First Semester	Hours	Second Semester	Hours	Third Semester	Hours
CI 4332	3	CI 3325	3	EDST 4681	6
HIST Advanced Group B	3	PS 4398	3		
PS Advanced Elective	3	HIST 4300	3		
HIST 3372	3	CI 4370	3		
ECO 2301 or 2314 (Social & Behavioral Sciences Component Code 080)	3	CI 4343	3		
		RDG 3323	3		
	15		18		6

Total Hours: 130

Political Science Advanced Group Electives

Code	Title	Hours
GROUP I - POLITICAL THEORY AND METHODOLOGY		
PS 3311	American Political Thought: From the Colonial Period to Civil War	3
PS 4311	Ancient and Medieval Political Thought (Greeks to 1600)	3
PS 3313	Contemporary Political Theory	3
PS 4312	Modern Political Theory (1600 - 1900)	3
PS 3315	Quantitative Research in Political Science	3
PS 4313	The Holocaust	3
PS 3314	Politics and Personality	3

Code	Title	Hours
GROUP II - AMERICAN GOVERNMENT		
PS 3327	The American Founding	3
PS 4327	Religion and American Public Life	3
PS 3322	Political Parties and Party Politics	3
PS 3323	Congress and the Legislative Process	3
PS 3324	The American Presidency	3
PS 3325	State and Local Government	3
PA 3316	Metropolitan Politics	3
PA 3351	Urban Management and Regional Policy	3
PS 3328	Politics in Film	3
PS 3326	Issues and Interest Groups: Power and Pressure in America	3
PS 4324	Women in Politics	3
PS 4323	Latina/o Politics	3
PS 3321	Campaigns and Elections	3
PS 4325	Texas Politics	3
PS 4326	Media and Public Opinion	3
PS 4321	American Foreign Policy	3
PA 4362	Government, Nonprofit and American Business	3

Code	Title	Hours
GROUP III - PUBLIC LAW AND PUBLIC ADMINISTRATION		
PS 3332	Constitutional Law: Basic Structures and Principles	3
PS 3333	Constitutional Law: Individual Liberties	3
PA 3300	Introduction to Public and Nonprofit Administration	3
PA 3330	Public Personnel and Human Resource Administration	3
PA 4352	Comparative Public Administration	3
PA 3310	Public Finance Administration	3
PS 4334	Legal Theories and Research	3
PS 3334	Civil Law in American Society	3
PS 4333	Issues in Law and Public Policy	3
PS 3331	The Supreme Court and the Judicial Process	3
PA 3350	Public Policy Process	3
PA 3340	Administrative Law	3

Code	Title	Hours
GROUP IV - COMPARATIVE GOVERNMENT		
PS 4342	Economic Development in Latin America	3
PS 3341	Comparative Politics	3
PS 3347	Politics of Modern Southeast Asia	3
PS 4331	Islamic Law and Politics	3
PS 3348	Revolution and Nationalism	3

PS 3352	Theories of International Politics	3
PS 3343	Government and Politics of Latin America	3
PS 3344	Government and Politics of Europe	3
PS 3345	Government and Politics of Russia	3
PS 4346	Organization of American States	3
PS 4343	Politics of Democratization in Developing Countries	3
PS 3346	Government and Politics of Asia	3
PS 3342	African Politics	3
PS 4344	The Politics of Extremism	3

Code	Title	Hours
GROUP V - INTERNATIONAL RELATIONS		
PS 3351	Introduction to International Studies	3
PS 4341	Civil-Military Relations in Comparative Politics	3
PS 3353	Issues in World Politics	3
PS 3352	Theories of International Politics	3
PS 4352	International Law	3
PS 4353	International Organizations	3
PS 3354	United States-Latin America Relations	3
PS 4354	Politics of International Economic Relations	3
PS 4351	International Conflict and Security	3

Bachelor of Public Administration (B.P.A.) Major in Public Administration

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
3. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine hours of writing intensive (WI) courses are required for graduation.
5. The Bachelor of Public Administration (B.P.A.) degree with a major in Public Administration requires the following 36 hours of Public Administration courses:

Code	Title	Hours
PA 3301	Political Institutions and Public Service	3
PA 3300	Introduction to Public and Nonprofit Administration	3
PA 3330	Public Personnel and Human Resource Administration	3
PA 3310	Public Finance Administration	3
PA 3311	Analytical Techniques	3
PA 3350	Public Policy Process	3
PA 4389	Internship in Public Administration	3
Advanced Public Administration Electives (choose five of the following)		15
PA 3314	State and Local Government	
PA 3316	Metropolitan Politics	
PA 4352	Comparative Public Administration	
PA 3351	Urban Management and Regional Policy	
PA 4340	Issues in Law and Public Policy	
PS 4323	Latina/o Politics	
PA 3340	Administrative Law	
PA 4362	Government, Nonprofit and American Business	
PA 4370	Ethics in American Government	
PA 4389	Internship in Public Administration	
PA 4398	Research in Public Administration	
Total Hours		36

6. Students are strongly encouraged, but not required, to choose their free electives from the following career support areas:

Code	Title	Hours
Local Government		
PA 3316	Metropolitan Politics	3
GEO 3310	Urban Geography	3
GEO 3320	Community and Regional Planning	3
International		
PS 4321	American Foreign Policy	3
PS 4352	International Law	3
PS 4353	International Organizations	3
ECO 3317	International Economics	3
Social Services		
SOCI 3328	Complex Organizations	3
SOWK 2375	Social Services in the Community	3
SOWK 4310	Diversity and Social Justice in Social Work	3
SOWK 4355	Policy Practice	3
Legal Services		
PS 3332	Constitutional Law: Basic Structures and Principles	3
PS 3333	Constitutional Law: Individual Liberties	3
PA 4340	Issues in Law and Public Policy	3
CJ 2360	Fundamentals of Criminal Law	3
Health Services		
HA 3308	Healthcare Organization	3
HIM 3380	Quality Improvement Regulations & Procedures for HIM	3

7. Enrollment in PA 4389 requires completion of 24 hours of Political Science courses, a Texas State GPA of 2.25, and a Major GPA of 2.25.

8. There is no foreign language requirement for those who have completed two years of the same foreign language in high school.

Course Requirements

				Freshman
First Semester	Hours		Second Semester	Hours
ENG 1310 (Communication Component Code 010)	3		ENG 1320 (Communication Component Code 010)	3
US 1100	1		HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3		POSI 2320 (Government/ Political Science Component Code 070)	3
Modern Language 1410	4		Modern Language 1420	4
Mathematics Component Code 020	3		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	14			16

				Sophomore
First Semester	Hours		Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3		PA 3300	3
ENG Literature (Component Area Option Code 090/094)	3		ENG 3303 or 3304	3
Elective	3		Social & Behavioral Sciences Component Code 080	3
HIST 1320 (American History Component Code 060)	3		Life & Physical Sciences Component Code 030	3
PA 3301	3		HIST 2310 or 2311	3
	15			15

				Junior
First Semester	Hours		Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		PA 3310	3
Life & Physical Sciences Component Code 030	3		PA 3311	3
Advanced PA Electives	6		SOCI 3324, 3328, 3353, or 3365	3
PA 3330	3		HIST 2312 or 2320	3
			Minor	3
	15			15

				Senior
First Semester	Hours		Second Semester	Hours
Minor	6		GEO 3310, 3320, or 3340	3
Advanced PA Electives	6		Minor	6
PA 3350	3		PA 4389	3
			Advanced PA Elective	3
	15			15

Total Hours: 120

Minor in Political Communication

This minor is administered by the Department of Communication Studies. For information regarding the requirements please click here (p. 286).

Minor in Political Science

The minor in Political Science requires 24 semester credit hours.

Code	Title	Hours
Required Courses		
POSI 2310	Principles of American Government	3
POSI 2320	Functions of American Government	3
PS 3300	Basic Political Ideas	3
or PS 3301	Basic Political Institutions	
Choose 12 hours of at least one course from 4 of the 5 groups of PS advanced courses		12
Choose a 3 hour PS advanced course		3
Total Hours		24

Minor in Public Administration

The minor in Public Administration requires 21 semester credit hours, including 12 hours of required courses in public administration and 9 hours of required advanced public administration electives.

Code	Title	Hours
Required Courses		12
PA 3300	Introduction to Public and Nonprofit Administration	
PA 3330	Public Personnel and Human Resource Administration	
PA 3310	Public Finance Administration	
PA 3350	Public Policy Process	
Electives		9
Choose 9 hours from the following:		
PA 3311	Analytical Techniques	
PA 3314	State and Local Government	
PA 3316	Metropolitan Politics	
PA 3340	Administrative Law	
PA 3351	Urban Management and Regional Policy	
PS 4323	Latina/o Politics	
PA 4340	Issues in Law and Public Policy	
PA 4352	Comparative Public Administration	
PA 4362	Government, Nonprofit and American Business	
PA 4370	Ethics in American Government	
Total Hours		21

Department of Psychology

Undergraduate Academic Center Room 253
Telephone: 512-245-2526 Fax: 512-2453153
www.psych.txstate.edu (http://www.psych.txstate.edu)

The Department of Psychology offers an outstanding undergraduate program attracting more than 1,900 majors and a large number of minors. The curriculum provides both structure and flexibility with a required sequence of core courses and many electives to serve students' personal interests. Students have many opportunities to gain research experience in faculty laboratories and job experience in faculty coordinated internships. Students can also develop leadership, communication, and team building skills via membership in the Psychology Club and the Texas State University Chapter of Psi Chi, the International Honor Society in Psychology. The department is committed to strong academic, advising and houses a full-time advisor accessible to all undergraduate Psychology majors.

Departmental faculty members are highly qualified as teachers, scholar-researchers, and mentors. They are committed to helping students succeed. Faculty have received numerous awards and honors including the Presidential Award for Excellence in Teaching, which is the highest level of recognition in teaching at Texas State University, and the Presidential Seminar Award, which is the highest level of recognition in research at Texas State University.

The department has a strong commitment to faculty-student research. Students can gain quality research experience by participating in a variety of research projects. The breadth and quality of faculty research is a valuable resource for students as they acquire strong research skills and partner in the advancement of knowledge.

Psychology graduates with B.A. or B.S. degrees hold positions in business, government, health, and education. Approximately 20% of graduates pursue further education in psychology as a science or as profession by enrolling in masters of Ph.D. programs. Employment as a psychologist in clinical psychology and some other fields requires a doctoral degree. For more information planning courses for a suitable program, the "Guide for Psychology Majors" is available at www.psych.txstate.edu. (http://www.psych.txstate.edu)

Course Prerequisite Sequence

The Department of Psychology strictly enforces all course prerequisites. Adherence to the following course sequence is necessary for completion of the B.A. and B.S. degrees. This sequence requires four separate semesters (or summer terms), because course prerequisites may not be taken concurrently.

Code	Title	Hours
PSY 1300	Introduction to Psychology [1]	3
MATH 1312	College Statistics and Algebra (or higher except MATH 1316) [1]	3
PSY 2301	Introduction to Statistics [1]	3
PSY 2101	Introduction to Statistics Laboratory [1]	1
PSY 3402	Experimental and Research Methods [1]	4
One course from Group C		
PSY 4391	History and Theory	3

[1] Or its equivalent, with a grade of "C" or higher.

Note: Psychology majors are required to select a minor outside the major, thus, a Psychology major may not declare a minor in Forensic Psychology, General Psychology, or Sport Psychology.

Bachelor of Arts (B.A.)

- Major in Psychology (p. 553)

Bachelor of Science (B.S.)

- Major in Psychology (p. 554)
- Major in Psychology (Pre-Medical Concentration) (p. 556)

Minors

- Forensic Psychology (p. 557)
- Psychology
- Sport Psychology (p. 558)

Courses in Psychology (PSY)

PSY 1300. Introduction to Psychology.
A survey of the major principles derived from research on human and animal behavior. Topics studied include learning, thinking, motivation, emotion, personality, the senses, perception, and the form and functions of the nervous system. PSY 1300 with a grade of "C" or better is required for most other Psychology courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080
Grade Mode: Standard Letter
TCCN: PSYC 2301

PSY 2100. Professional Seminar.
This course examines the characteristics of Psychology as a discipline and profession. Coverage includes current trends in Psychology and its subfields, degree options in Psychology and its subfields as they relate to professional and/or career issues, and how to be an intelligent consumer of discipline-specific data and information. Prerequisite: PSY 1300 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 2101. Introduction to Statistics Laboratory.
This statistics laboratory course provides an introduction to descriptive and inferential statistics used in psychological research with an emphasis on data analysis techniques through the use of computer applications (ex., SPSS, R, etc.). Prerequisite: PSY 1300 with a grade of "C" or better. Corequisite: PSY 2301 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 2301. Introduction to Statistics.
The course provides an introduction to statistical methods in behavioral sciences with special emphasis on application to psychological research. The topics covered include descriptive statistics, principles of statistical inference and common hypothesis testing techniques such as z-test, t-tests, analysis of variance, correlation and regression, and selected non-parametric tests. Prerequisite: PSY 1300 and [MATH 1312 or MATH 1315 or MATH 1317 or MATH 1319 or MATH 2321 or MATH 2417 or MATH 2471] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PSYC 2317

PSY 2311. Psychology of Human Sexuality.
A psychological and physiological examination of the human sexual experience from conception through old age. Current research findings serve as a basis for study. Major consideration is given to the human sexual system, the sexual act, sexual attitudes and behavior, and sexual complications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PSYC 2306

PSY 3300. Lifespan Development.
Survey of the psychology of human development from the pre-natal period through adulthood. Emphasis placed on cognitive, motivational, and physiological processes of development in childhood and adolescence. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3312. Adolescent Psychology.
A developmental psychology course designed to examine the complex characteristics of human cognitive and emotional life during the period of adolescence. Emphasis is directed toward the basis of behavior, interpersonal relationships, development, growth, and motivation. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3313. Psychology of Adulthood and Aging.
The development of individuals in the post-adolescent period, particularly after middle age. Topics studied include social, psychological, and physiological changes and problems associated with the aging process. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3314. Psychology of Consciousness.
This course is an introduction to the study of consciousness from the perspective of psychology, neuroscience, and the natural sciences. Topics reviewed included philosphical foundations, cognitive and neuroscientific approaches, the physical correlates of consciousness, introspection, sleep and dreaming and altered states of consciousness. (WI) Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 3315. Abnormal Psychology.
An introduction to the study of abnormality: (1) issues in defining and evaluating it, (2) examples, (3) theories and research attempting to categorize, describe, and explain it, and (4) approaches used to prevent or change it when it is deemed a problem by the individual and/or society. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3316. Personality Psychology.
A comprehensive introduction to research, theory, and application in the field of personality. Individual differences and situation influences are examined concerning authoritarianism, achievement motivation, anxiety, intelligence, self-concept, interpersonal attraction, aggression, sexuality, and altruism. An integrative model is suggested for describing and predicting human behavior. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3321. Sensation and Perception.
An introduction to the processes of perception. Topics will include perceptual measurement, the physiological bases of perception, basic visual processes, and basic haptic, olfactory, and gustatory processes. Prerequisite: PSY 1300 and PSY 3402 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 3322. Brain and Behavior.
This course covers research findings and theoretical concepts concerned with the physiological, anatomical, and pharmacological bases of behavior. Topics include sensory systems, the physiological mechanisms of motivation, and the physiological correlates of associate processes such as learning. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3323. Evolution and Behavior.
The course provides a contemporary understanding of human behaviors, emotions, and cognitions through an examination of Darwin's theories of natural selection, sexual selection, and mental evolution. Relevant interdisciplinary perspectives from philosophy, history, anthropology, archaeology, biology, ethology, and genetics are incorporated. Prerequisites: PSY 1300 and PSY 3300 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3325. Psychology of Persuasion.
This course uses a socio-psychological perspective to understand the dynamics of persuasion and propaganda. It applies selected theories and research on social influence, persuasion and attitude change to such areas as political and educational campaigns, product advertising, mass media and public opinion. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3331. Social Psychology.
The study of how people influence each other. The course covers such topics as conformity, inter-personal attraction, prejudice, and aggression. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3332. Psychology of Women.
The special problems and demands made on the woman within modern western culture. Topics studied include status, roles, values, opportunities, expectations, stress, and self-realization of the modern woman. (MC) (WI) Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

PSY 3333. Industrial Psychology.
The study of applying psychological knowledge and techniques to the modern industrial environment. Topics studied include employee needs, attitudes, selection, testing, boredom, motivation, anxiety, and job satisfaction. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3334. Psychology of Human Diversity.
Explanations about how the environment, genetics and culture shape human differences, and how these differences are linked to world progress and understanding are addressed. (MC) Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

PSY 3335. Forensic Psychology.
Examines the relationships between psychology and the processes of the American courtroom. Sample issues to be addressed include; (a) What psychological theories are used to explain jury decisionmaking? (b) How accurate is the memory of eyewitnesses? (c) How do characteristics of defendants influence juries? Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3336. Sport Psychology.
This course examines the relationships, psychological concepts, and individual's thoughts regarding sports, health and exercise. Sample topics include (1) current theoretical perspectives of personality factors at sports and exercise, (2) why people engage in sports, (3) exercise adherence, (4) mental skills, and (5) the psychological effects of sports and exercise. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3337. Psychology of Prejudice, Discrimination, and Hate.
This course will explore psychological theories and factors that underlie prejudice, discrimination, and hate. Although the course will focus primarily on these issues as they have developed and influence realities in the United States, global issues will also be explored. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3338. Service Learning: Protecting the Vulnerable.
This course examines clinical, legal and psychosocial conditions of adults who, due to mental illness, developmental impairments, brain injuries or aging, are declared "incapacitated" and have court-appointed guardians. Students will serve as the probate court representatives who inspect living conditions and services for individuals under the court-ordered guardianships. Prerequisite: PSY 1300 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3341. Cognitive Processes.
This course covers the acquisition and use of knowledge, contemporary research on perception, pattern recognition, memory, thinking, problem solving, and language comprehension. (WI) Prerequisite: PSY 1300 and PSY 3402 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 3350. Cognitive Behavioral Therapies.
The course provides theory, research, and application of psychological principles that affect humans in education, business, and personal life. Emphasis is placed on effective use of reinforcement, classroom management, self-control, relaxation, and assertiveness. (WI) Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 3352. Group Processes.
A study of how the individual relates to his group membership. Students will analyze the development and functioning of their own groups, with attention to such issues as problems faced by group members in the early phases of a group's existence, leadership roles, group pressure, and trust. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 3361. Health Psychology.
Surveys contemporary theory and research on body/mind interaction in physical and mental health. Emphasis on personality, psychosocial, and stress factors in physical health. Other topics include the effects of physical health on psychological well being, pain management, longevity and aging, and coping with illness and dying. (WI) Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 3402. Experimental and Research Methods.
This course introduces students to basic instruction in experimental design, data collection, and technical report writing in Psychology. By examining applications of various methodologies, this course provides information on the steps involved in crafting and executing empirical research projects as well as instruction on procedures and software. (WI) Prerequisite: PSY 1300 and PSY 2101 and PSY 2301 all with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 3404. Advanced Research Methods.
The course provides students with the opportunity to conduct original research in psychology using best practices in research methods. Course requirements include obtaining IRB approval, conducting research, analyzing results and presenting findings in a professional setting. (WI) Prerequisite: PSY 1300 with a grade of "C" or better and PSY 3402 with a grade of "B" or better and instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 4318. Psychological Tests and Measurements.
The course provides an introduction to basic principles, research, and theories on testing and measurement of psychological constructs. It includes validity, reliability, item analysis, administration, scoring, and interpretation of existing tests and measures, and construction of new measures including surveys and other psychological instruments. Prerequisites: PSY 1300 and PSY 2101 and PSY 2301 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 4342. Learning and Memory.
A study of memory and learning in humans and animals. Attention is given to comparative cognition, cognitive and neuropsychological aspects of memory, and memory deficits. (WI) Prerequisite: PSY 1300 and PSY 3402 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 4350. Reality Therapy/Choice Theory.
This course focuses on Glasser's concepts of Choice Theory and Reality Therapy. This course explores how the "total behaviors" and choices we make impact our lives, the kinds of relationships we want to have with others, health and quality of the life. (WI) Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 4352. Introduction to Clinical Psychology.
Overview of clinical psychology. Emphasis on current theories and methods of individual psychotherapy. Class discussions of readings, films, audiotapes, and live examples illustrating approaches. Experiential learning via class exercises in pairs and small groups and by role-playing both therapist and client in a series of helping sessions. (WI) Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 4390B. Emotion and Human Behavior.
This course will provide an advanced understanding of the multifaceted phenomenon of emotion and its effect on human behavior. Students will be introduced to the philosophical and theoretical underpinnings of emotion, the various individual emotions (e.g. fear, anger, happiness) and will learn how emotion can affect physical and psychological health.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 4390N. Psychopharmacology.
This course reviews psychopharmacology topics including: neuronal and chemical mechanisms underlying drug action; environmental factors modulating the impact of drugs on emotion, cognition, perception and behavior; the processes underlying drug dependency, tolerance, and withdrawal; and the implications for drug abuse treatment and prevention strategies, especially concerning adolescents. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 4390P. Human Factors and Ergonomics.
This course examines characteristics of people that are applicable to the design of systems and technological devices. This course will illustrate how methods and principles of human factors and ergonomics enhance the usability, safety and performance of human-machine systems. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 4390Q. Introduction to Developmental Disabilities.
This course will provide students with perspectives on the causes, manifestations, and treatment of developmental disabilities throughout the lifespan. Historical views and societal issues will be investigated along with current practices and research. Prerequisite: PSY 1300 and PSY 3315 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 4390R. Intermediate Statistics.
This course introduces statistical methods designed for psychological research with multiple independent variables. Topics include factorial analysis of variance and multiple regression. Interpreting interaction effects is a main focus. This is a practice-based course that will cover both the theoretical contructs and also step-by-step computer procedures. Prerequisite: PSY 1300 and PSY 2101 and PSY 2301 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 4391. History and Theory.
Study of the evolution of psychology as a science through a systematic review of the principal scientific and philosophic antecedents of modern psychology, and analysis of the status of the major contemporary theoretical schools. (WI) Prerequisite: PSY 1300 and PSY 3402 both with grades of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 4393. International Psychology.
The course focuses on the history, status, and future directions of scientific and professional psychology throughout the world. It requires reading about, discussing, and writing about the relatively new specialty area of international psychology. The objective is to deepen students' knowledge of psychology's relevance to the solution of global problems. Prerequisite: PSY 1300 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 4395. Individual Study.
Students design and execute original research, or engage in extensive fieldwork, in the field of psychology under the supervision of a faculty member. All students planning to attend Graduate School are advised to enroll in the course. May be repeated once for additional credit. Prerequisite: PSY 1300 and PSY 3402 both with grades of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PSY 4396. Internship in Psychology.
Extensive field work in a professional setting related to psychology. May be repeated once for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in Psychology

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. For transfer students, 18 semester credit hours may be transferred from a Texas public institution of higher education for the Psychology Field of Study and be applied to the Bachelor of Arts degree with a major in Psychology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
PSY 1300	Introduction to Psychology	3
TCCN: PSYC 2301		
PSY 3300	Lifespan Development	3
TCCN: PSYC 2314		
PSY 2301	Introduction to Statistics	3
TCCN: PSYC 2317		
PSY 3331	Social Psychology	3
TCCN: PSYC 2319		
PSY 3315	Abnormal Psychology	3
TCCN: PSYC 2320		
PSY 3322	Brain and Behavior	3
TCCN: PSYC 2330		
Total Hours		18

4. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The minor in Forensic Psychology and the minor in Sport Psychology are not allowed with the B.A. major in Psychology.
5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses). Of these, at least 18 advanced hours must be in Psychology. Sufficient courses from the minor and other electives must be selected to ensure a total of 36 hours of advanced coursework.
6. Nine hours of writing intensive courses (not including ENG 1310 or ENG 1320) are required for graduation.
7. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete

depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

8. Students in the B.A. major in Psychology are required to complete at least one course from each of Groups A-C and to complete PSY 4391.

Course Requirements

Freshman			
First Semester	**Hours**	**Second Semester**	**Hours**
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
US 1100	1	POSI 2310 (Government/ Political Science Component Code 070)	3
PSY 1300[1]	3	HIST 1310 (American History Component Code 060)	3
Modern Language 1410	4	Modern Language 1420	4
Mathematics Component Code 020	3	COMM 1310 (Component Area Option Code 090/091)	3
	14		16

Sophomore			
First Semester	**Hours**	**Second Semester**	**Hours**
Life & Physical Sciences Component Code 030 select one of the following:	3-4	BIO 1331 (Life & Physical Sciences Component Code 030)	3
BIO 1320		BIO 1131	1
BIO 1330 & BIO 1130 (minor)		Modern Language 2320	3
Modern Language 2310	3	PSY 2100	1
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	PSY 2101 & PSY 2301[1]	4
HIST 1320 (American History Component Code 060)	3	ENG Literature (Component Area Option Code 090/094)	3
POSI 2320 (Government/ Political Science Component Code 070)	3		
	15		15

Junior			
First Semester	**Hours**	**Second Semester**	**Hours**
PSY 3402[1]	4	BA ENG Literature	3
PSY 3322[1]	3	PSY Group A	3
BA Computer Science, Logic, Mathematics or science[2]	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Social & Behavioral Sciences Component Code 080 select one of the following:	3	Minor	6
ANTH 1312			
ECO 2301			
ECO 2314			
GEO 1310			
PFW 1301			
SOCI 1310			
Minor	3		
	16		15

Senior			
First Semester	**Hours**	**Second Semester**	**Hours**
PSY Group B	3	PSY 4391	3
PSY Group C	3	PSY ADV electives	6
PSY elective	3	ADV minor or electives	5
ADV minor	6		
	15		14

Total Hours: 120

1 Foundation course for all serious study of psychology; much material covered in later courses depends on a thorough knowledge of topics in these five. These courses are required before students take Group C courses and PSY 4391. PSY 1300 is a prerequisite for all other PSY courses (except PSY 2311).

2 Students are required to complete their BA Science requirement by taking one additional science and/or mathematics course, to be selected from the following disciplines: ANTH 2414 or ANTH 2415, any advanced Physical Anthropology or Archaeology course, biology (above 1421), chemistry, physics (including astronomy), mathematics (1317 and above), computer science (1319 and above), geology, PHIL 2330 (only), or GEO 1305 or GEO 2410 (only).

Code	Title	Hours
GROUP A - HUMAN DEVELOPMENT		
PSY 3300	Lifespan Development	3
PSY 3312	Adolescent Psychology	3
PSY 3313	Psychology of Adulthood and Aging	3

Code	Title	Hours
GROUP B - INDIVIDUAL DIFFERENCES/SOCIAL BEHAVIOR		
PSY 3315	Abnormal Psychology	3
PSY 3316	Personality Psychology	3
PSY 3331	Social Psychology	3

Code	Title	Hours
GROUP C - COGNITION AND LEARNING		
PSY 3321	Sensation and Perception	3
PSY 3341	Cognitive Processes	3
PSY 4342	Learning and Memory	3

Bachelor of Science (B.S.) Major in Psychology

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. For transfer students, 18 semester credit hours may be transferred from a Texas public institution of higher education for the Psychology Field of Study and be applied to the Bachelor of Science degree with a major in Psychology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
PSY 1300	Introduction to Psychology	3
TCCN: PSYC 2301		
PSY 3300	Lifespan Development	3
TCCN: PSYC 2314		
PSY 2301	Introduction to Statistics	3
TCCN: PSYC 2317		
PSY 3331	Social Psychology	3
TCCN: PSYC 2319		
PSY 3315	Abnormal Psychology	3
TCCN: PSYC 2320		
PSY 3322	Brain and Behavior	3
TCCN: PSYC 2330		
Total Hours		18

3. Students in the Bachelor of Science (B.S.) degree with a major in Psychology are required to take at least one course from each of Groups A-C and to take PSY 4391.
4. A science minor must be selected from the Departments of Anthropology (courses to be taken from Physical, Forensic, or Archaeology), Biology, Chemistry and Biochemistry, Computer Science, Geography, Mathematics, or Physics.
5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses). Of these, at least 18 advanced hours must be in Psychology. Sufficient courses from the minor and other electives must be selected to ensure a total of 36 hours of advanced coursework.
6. Nine hours of writing intensive courses (not including ENG 1310 or ENG 1320) are required for graduation.
7. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

Course Requirements

Freshman					
First Semester	Hours		Second Semester	Hours	
ENG 1310 (Communication Component Code 010)	3		ENG 1320 (Communication Component Code 010)	3	
US 1100	1		POSI 2310 (Government/ Political Science Component Code 070)	3	
PSY 1300[1]	3		HIST 1310 (American History Component Code 060)	3	
Modern Language 1410	4		Modern Language 1420	4	
Mathematics Component Code 020	3		COMM 1310 (Component Area Option Code 090/091)	3	
	14			16	

Sophomore					
First Semester	Hours		Second Semester	Hours	
Life & Physical Sciences Component Code 030 select one of the following:	3-4		BIO 1331 (Life & Physical Sciences Component Code 030)	3	
BIO 1320			BIO 1131	1	
BIO 1330 & BIO 1130 (minor)			PSY 2100	1	
Social & Behavioral Sciences Component Code 080 select one of the following:	3		PSY 2101 & PSY 2301[1]	4	
ANTH 1312			Select one of the following:	3	
ECO 2301			ENG 3303		
ECO 2314			ENG Literature		
GEO 1310			ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	
PFW 1301					
SOCI 1310					
HIST 1320 (American History Component Code 060)	3				
POSI 2320 (Government/ Political Science Component Code 070)	3				
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3				
	15			15	

Junior					
First Semester	Hours		Second Semester	Hours	
PSY 3402[1]	4		Select one of the following:	3	
PSY 3322[1]	3		ENG 3303		
PSY Group A	3		ENG Literature		
Minor	6		PSY Group B	3	
			PSY ADV elective	3	
			Minor	6	
	16			15	

Senior					
First Semester	Hours		Second Semester	Hours	
PSY Group C	3		PSY ADV electives	3	
PSY ADV elective	3		PSY 4391	3	
Minor or electives	9		ADV minor or electives	8	
	15			14	

Total Hours: 120

[1] Foundation course for all serious study of psychology; much material covered in later courses depends on a thorough knowledge of topics in these five. These courses are required before students take Group C courses and PSY 4391. PSY 1300 is a prerequisite for all other PSY courses (except PSY 2311).

Code	Title	Hours
GROUP A - HUMAN DEVELOPMENT		
PSY 3300	Lifespan Development	3
PSY 3312	Adolescent Psychology	3
PSY 3313	Psychology of Adulthood and Aging	3

Code	Title	Hours
GROUP B - INDIVIDUAL DIFFERENCES/SOCIAL BEHAVOIR		
PSY 3315	Abnormal Psychology	3
PSY 3316	Personality Psychology	3
PSY 3331	Social Psychology	3

Code	Title	Hours
GROUP C - COGNITION AND LEARNING		
PSY 3321	Sensation and Perception	3
PSY 3341	Cognitive Processes	3
PSY 4342	Learning and Memory	3

Bachelor of Science (B.S.) Major in Psychology (Pre-Medical Concentration)

Minimum required: 134 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. For transfer students, 18 semester credit hours may be transferred from a Texas public institution of higher education for the Psychology Field of Study and be applied to the Bachelor of Science degree with a major in Psychology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
PSY 1300	Introduction to Psychology	3
TCCN: PSYC 2301		
PSY 3300	Lifespan Development	3
TCCN: PSYC 2314		
PSY 2301	Introduction to Statistics	3
TCCN: PSYC 2317		
PSY 3331	Social Psychology	3
TCCN: PSYC 2319		
PSY 3315	Abnormal Psychology	3
TCCN: PSYC 2320		
PSY 3322	Brain and Behavior	3
TCCN: PSYC 2330		
Total Hours		18

3. Students in the Bachelor of Science (B.S.) degree with a major in Psychology are required to take at least one course from each of Groups A-C and to take PSY 4391.
4. A minor in Biology is required. Additionally, students must complete BIO 3421 as part of their required Biology electives.
5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses). Of these, at least 18 advanced hours must be in Psychology. Sufficient courses from the minor and other electives must be selected to ensure a total of 36 hours of advanced coursework.
6. Nine hours of writing intensive courses (not including ENG 1310 or ENG 1320) are required.

Course Requirements

						Freshman
First Semester	**Hours**	**Second Semester**	**Hours**	**Third Semester**	**Hours**	
BIO 1130	1	BIO 1131	1	CHEM 1142	1	
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331 (Life & Physical Sciences Component Code 030)	3	CHEM 1342	3	
ENG 1310 (Communication Component Code 010)	3	CHEM 1141	1	HIST 1310 (American History Component Code 060)	3	
MATH 1315 (Mathematic Component Code 020)	3	CHEM 1341	3			
PSY 1300 (Social & Behavioral Sciences Component Code 080)[1]	3	ENG 1320 (Communication Component Code 010)	3			
US 1100	1	POSI 2310 (Governmen Political Science Component Code 070)	3			
	14		14		7	

						Sophomore
First Semester	**Hours**	**Second Semester**	**Hours**	**Third Semester**	**Hours**	
BIO 2400	4	BIO 2450	4	Summer I:		
CHEM 2141	1	CHEM 2142	1	Modern Language 1410	4	
CHEM 2341	3	CHEM 2342	3	Summer II:		

POSI 2320 (Government Political Science Component Code 070)	3	COMM 1310 (Component Area Option Code 090/091)	3	Modern Language 1420	4
PSY 2101	1	ENG Literature (Component Area Option Code 090/094)	3		
PSY 2301	3	PSY 2100	1		
	15		15		8

Junior

First Semester	Hours	Second Semester	Hours
BIO 3421	4	CHEM 4375	3
PSY 3402[1]	4	PSY Group B	3
PSY 3322[1]	3	PSY Advanced Elective	3
PSY Group A	3	ENG 3303	3
		ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	14		15

Senior

First Semester	Hours	Second Semester	Hours
HIST 1320 (American History Component Code 060)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
PHYS 1115	1	PHYS 1125	1
PHYS 1315	3	PHYS 1325	3
PSY Group C	3	PSY Advanced Elective	3
PSY Advanced Elective	3	PSY 4391	3
BIO Advanced Elective[2]	3	BIO Advanced Elective[2]	3
	16		16

Total Hours: 134

1 Foundation course for all serious study of psychology; much material covered in later courses depends on a thorough knowledge of topics in these five. These courses are required before students take Group C courses and PSY 4391. PSY 1300 is a prerequisite for all other PSY courses (except PSY 2311).

2 Advanced BIO Electives must be chosen from the following: BIO 4299, BIO 3351, BIO 4305, BIO 4402, BIO 4403, or BIO 4408.

Code	Title	Hours
GROUP A - HUMAN DEVELOPMENT		
PSY 3300	Lifespan Development	3
PSY 3312	Adolescent Psychology	3
PSY 3313	Psychology of Adulthood and Aging	3

Code	Title	Hours
GROUP B - INDIVIDUAL DIFFERENCES/SOCIAL BEHAVOIR		
PSY 3315	Abnormal Psychology	3
PSY 3316	Personality Psychology	3
PSY 3331	Social Psychology	3

Code	Title	Hours
GROUP C - COGNITION AND LEARNING		
PSY 3321	Sensation and Perception	3
PSY 3341	Cognitive Processes	3
PSY 4342	Learning and Memory	3

Minor in Forensic Psychology

The minor in Forensic Psychology requires 21 semester credit hours. Forensic is defined as “evidence” or “relating to, used in, or appropriate for courts of law.” This minor looks at forensic issues from both psychological and criminal justice perspectives. The minor is suitable for criminal justice majors or any individual wishing to pursue a background in psychology and criminal justice. The minor also would be good preparation for those individuals wishing to pursue pre-law or social work and for individuals considering graduate coursework in forensic psychology. This minor is not allowed in the Bachelor of Arts major in Psychology. Enrollment in the following required PSY courses assumes that students will have completed PSY 1300 as part of their social and behavioral science component of the general education core curriculum. If not, PSY 1300 is a prerequisite for PSY 3315, PSY 3316, PSY 3331, and PSY 3335. The prerequisite requirements for CJ 3329 and CJ 4340 will be waived only for students pursuing this minor. This is justified by the fact that students will be exploring many of the issues covered in those requisite courses in the psychology coursework portion of the minor.

Code	Title	Hours
Required Courses		
CJ 1310	Introduction to Criminal Justice	3
CJ 2360	Fundamentals of Criminal Law	3
CJ 3329	Forensic Evidence	3
PSY 3315	Abnormal Psychology	3
or PSY 3316	Personality Psychology	
PSY 3331	Social Psychology	3
PSY 3335	Forensic Psychology	3
Choose 3 hours from the following:		3
ANTH 3380	Forensic Anthropology	
CJ 4340	Crime Theory and Victimization	

SOCI 3343	Criminology	
An elective approved by the Department		
Total Hours		21

Minor in Psychology

The minor in Psychology requires 18 semester credit hours.

Code	Title	Hours
Required Course		
PSY 1300	Introduction to Psychology	3
Choose 15 hous of any PSY courses, of which 12 hours must be advanced (3000 or 4000 level)		15
Total Hours		18

Minor in Sport Psychology

The minor in Sport Psychology requires 21 semester credit hours. Sport Psychology examines the relationships between psychological concepts, theories and an individual's thoughts toward health and exercise. Current theoretical perspectives of personality factors in exercise, why people exercise, exercise adherence, mental skills and the psychological effects of exercise will be investigated. The minor will focus on topics such as methods of training and coaching, teamwork and leadership, motivation and stress, and social issues in sport. Students will study the relationships between brain biology and behavior. Students will learn to apply psychological theories and perspectives toward understanding thoughts about exercise, an individual's willingness to exercise, choice of exercise, and to assess the relationships between physical health and mental health. This minor is not allowed in the Bachelor of Arts major in Psychology.

Enrollment in the required PSY courses assumes that majors will have completed PSY 1300 as part of their social and behavioral science component of the general education core curriculum. If not, PSY 1300 is a prerequisite for PSY 3321, PSY 3331, PSY 3350, PSY 3361, PSY 3322, and PSY 3336.

Code	Title	Hours
Required Courses		
ESS 3323	Psychosocial Aspects of Exercise of Sport Scene	3
ESS 3329	Motor Learning	3
PSY 3321	Sensation and Perception	3
or PSY 3322	Brain and Behavior	
PSY 3331	Social Psychology	3
PSY 3336	Sport Psychology	3
PSY 3350	Cognitive Behavioral Therapies	3
or PSY 3361	Health Psychology	
Choose 3 hours from the following:		3
PHIL 3326	Philosophy and Sport	
SOCI 3340	Sociology of Sport and Leisure	
Choose 3 hours of an advisor-approved elective		
Total Hours		21

Department of Sociology

Undergraduate Academic Center Room 449
Telephone: 512-245-2113 Fax: 512-245-8362

www.soci.txstate.edu (http://www.soci.txstate.edu)

Sociology is the scientific study of individuals and groups within society. Through research and critical examination, sociologists study human interaction and social institutions to answer society's most complex questions. The Department of Sociology is home to student-centered faculty who bring diverse research interests into the classroom. Students have the opportunity to take courses from content areas of race and social class, gender and sexuality, criminology and social deviance, aging and dementia, popular culture, social movements, sustainability, and the environment. Sociology remains essential to a liberal arts education by preparing students to think critically about the world around them while applying practical skills in research methods and data analysis.

Sociology majors may choose the Bachelor of Arts in Sociology or the Bachelor of Science in Applied Sociology. The B.A. degree prepares students for professional or graduate study in the liberal arts tradition; whereas the B.S. provides practical research skills for students who wish to attend graduate school or to enter the work force upon graduation. Both degrees require 39 hours of Sociology coursework; however, the B.S. in Applied Sociology affords students the opportunity to complete an internship prior to graduation. Throughout the internship, students learn how to connect their classroom education to employment or graduate school opportunities.

Both degree programs include a data analysis course where students will use statistical software packages to learn how to collect, analyze, interpret, and present data on a variety of social phenomena. Qualitative and quantitative research courses teach students practical methods for conducting research while enhancing critical thinking and writing skills. Graduates are prepared for a variety of employment opportunities, including law, management, education, non-profit and community work, data analysis, politics and public administration, social services, and human resource management in business, government and industrial settings.

The Department of Sociology provides academic advising and encourages all students - declared and prospective - to take advantage of these services. Suggested degree plans, while helpful in planning an academic schedule, should not be used in lieu of academic advising.

Bachelor of Arts (B.A.)

- Major in Sociology (p. 562)

Bachelor of Science (B.S.)

- Major in Applied Sociology (p. 563)

Minors

- Aging and the Life Course
- Latina/o Studies
- Sociology (p. 565)
- Studies in Popular Culture (p. 565)

Courses in Sociology (SOCI)

SOCI 1310. Introduction to Sociology.
A survey of the basic concepts in sociology including social organization, culture, socialization, groups, and human population leading to the development of a sociological perspective of human behavior. SOCI 1310 and SOCI 3300 may not both be counted for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080
Grade Mode: Standard Letter
TCCN: SOCI 1301

SOCI 3300. Principles of Sociology.
Survey of the discipline of sociology, including socialization, social institutions, collective behavior, urban and community studies, demography, race relations, culture, and personality. Emphasis on basic concepts and the behavioral science approach to the study of human groups. SOCI 1310 and SOCI 3300 may not both be counted for credit. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SOCI 3307. Statistics for the Behavioral Sciences.
The application of descriptive and inferential statistics of behavioral science data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3317. Popular Culture and Society.
The content of popular culture, including movies, television, genre novels, popular music, fads and fashion, sports, contemporary folklore, festivals and celebrations, clothing and body decoration, and related cultural material, is examined and analyzed for social significance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3318. Applied Data Analysis.
This course introduces the student to some of the uses of various existing statistical software packages including proper application, limitations, and interpretations of results. Prerequisite: SOCI 3307 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3320. Population Dynamics.
A study of the composition of the world's population, focusing on growth, problems, politics, and controls. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 3322. Sociology of Latinos and Immigration.
This class will examine the impact that immigration and migration have on the growth of the Latino population as well as current debates surrounding immigration and its future in the U.S.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3324. Social Stratification.
The study of inequality as it relates to occupational, educational, religious, political, and other social activities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3325. Social Deviance.
Theoretical and descriptive analysis of the major types of deviant behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3327. Multicultural Relations.
The nature and the problems inherent in racial and other minority groups, with special reference to the American scene.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3328. Complex Organizations.
The study and analysis of complex organizations, bureaucracies, and professions and their influence on individuals and society and its institutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3329. Life Course Sociology.
This course examines major sociological approaches to the study of the human life course. Theoretical approaches reviewed include age stratification, the life course perspective, and constructivist and critical approaches to the life course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3330. Globalization and Development.
This course covers the sociology of globalization and development. Students will learn about theories of globalization; the effects of globalization on cultural, economic and political life; and factors at different levels of analysis affecting socioeconomic development, security, human rights, and democracy around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3333. The Sociology of Popular Music.
This course explores the dynamic and interactive relationships between music, culture, and society. Popular American music - from blues, gospel, ragtime, jazz, country, and swing to rock, disco, punk, alternative, and rap - will be analyzed as reflections of culture, as society's "voice," and as a powerful instrument of socialization and social change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3337. The Family.
A comparative study of the family in various cultures, both historical and contemporary, with attention to the family in terms of social organization, social change, and social disorganization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3338. Family Problems.
This course applies sociological knowledge to common problems encountered in families: spouse and child abuse, elder abuse, catastrophic illness, suicide, unemployment, poverty, teen pregnancy, aging and gender issues. Worldwide traditions and norms affecting the institution of the family are also reviewed. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 3340. Sociology of Sport and Leisure.
The theories and research in leisure and popular culture will serve as the broad framework. An emphasis will be placed on the sub-area of sport sociology, including such topics as sport and aggression, competition, children, women, minorities, professionalism, and others.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3343. Criminology.
The various theories of crime, the cause of crime, areas of crime, treatment of criminals through the courts, punishment, reform, education, probation, and parole, and means of crime prevention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3347. Juvenile Delinquency.
Delinquency in modern society, basic factors and conditions of juvenile delinquency, and the problem of delinquency control.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3349. Drugs and Society.
A sociological examination of the social context of drug abuse with emphasis on the social factors, processes, and institutions that impact drug abuse. Applications of sociological theories and research methods will be studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3350. Men, Women, and Societies.
This course examines the relations between male and female roles throughout the world, including the United States, Europe, and third world countries. Special attention is given to changes in these roles and the consequences of such changes for societies, including familial, marital, and sexual relationships. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 3353. Urban Society.
A study of urbanization as a social phenomenon with attention to traditional sociological studies of the community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3358. Work and Society.
This course will explore sociological studies of work and occupations, including the structure of work, economic changes, and concerns of workers such as earnings, promotions, and unemployment. It is divided into three main topics: the social organization of work, current work trends, and inequalities at work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3363. Medical Sociology: The Sociology of Health and Illness Behavior.
An examination of the social determinants and consequences of human health, morbidity, and mortality, including considerations of health institutions, organizations, professionals, and clients. Social epidemiology of human diseases and mortality and changing relationships of acute and chronic diseases are stressed. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SOCI 3365. Society and Environment.
This course addresses issues emerging from the reciprocal relationship between society and its environment. The impacts of social and economic organization, social class, and government policies on the physical and social milieu will be examined in order to produce a better understanding of social and environmental interactions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3367. Sustainable Cities.
This course uses sociological insight to develop a broader understanding of key concepts and debates about the sustainability of cities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3372. Food and Society.
This course surveys the sociological study of food. Students will examine how people in societies socially construct "food"; how people obtain food and the implications of this process for our health, economy, and environment; and how food relates to issues of race-ethnicity, social class, and gender.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3375J. Sociology of Consumption.
Consumption is an integral part of social life in the United States, shaping how we see ourselves and others. While consumption can enhance consumers' lives, it is linked to a host of social and environmental problems. This course critically examines such problems and explores alternatives to the way of life that is consumerism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 3375K. Social Movements.
This course examines social movements, repeated display of collective action outside sanctioned political channels to bring about social change. Different theoretical approaches to social movements will be reviewed to determine how movements organize, attract members, utilize resources, ideologically frame their issues, and engage in nonconventional tactics to influence public policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 3375L. Mind and Society.
This course provides an overview of mental health and illness with an emphasis on how social environments and structures influence mental well-being. We will explore the causes and consequences of mental health disorders. We will also examine policies and programs aimed at improving mental health in society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 3375M. Latinos and Aging.
This course offers an understanding of the growing Latino aging population in American society, highlighting issues related to their social, familial, economic, physical, and mental well-being. This course will also cover social programs, health and human service needs, and social policies affecting Latino elders.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 3375N. Urban Sociology in Comparative Perspective.
Topics include the historical development of cities, cities as engines of culture, planning, and gentrification. The comparative emphasis permits analysis of London in light of corresponding phenomena in American cities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 3375O. Culture and Society in Comparative Perspective.
Topics include cultural change and diffusion and social concerns such as inequality, gender, popular culture, etc. The comparative emphasis permits analysis of these phenomena in England vis-à-vis the United States.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 3375P. Sociology of Religion: A Global Perspective.
This course is an introduction to the tools and concepts central to the sociological study of religion and religiosity. It takes a global perspective on religions, inspecting the ideas of classic and modern sociological theorists concerning the various roles, functions, conflicts, prejudices and symbols of religion.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 3383. Aging and Society.
This course is an introduction to the sociology of aging and social gerontology. It employs a multicultural perspective to examine diversity in the aging process as influenced by societal forces.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3384. The Sociology of Death and Dying.
A study of the sociological and social psychological perspectives on death and dying in contemporary societies with particular emphasis on the meanings of death, on dying as a social process, and on death in the context of both social organization and the life cycle.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3390. Technology and Society.
The subject of this course is the relationship between technologies and social institutions. Topics covered may include but are not limited to theories of sociotechnical change, diffusion, social constructivism, modernity and rationalism, and case studies of transformative technologies such as the clock, the car, and the birth control pill.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3395. Sociology of Sexuality.
Sexuality is explored from a social constructionist perspective, in contrast to essentialist and biological determinist perspectives dominating the Western understanding of sexual roles and behavior. Sexual identity, desire, behavior, response, and health are viewed as socially constructed, largely in response to concerns about societal order.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 4306. Sociological Theory.
This course will examine classical sociological theories and the contemporary theories that follow from them. The major approaches covered are functionalism, conflict theory, symbolic interaction, and phenomenology. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SOCI 4308. Quantitative Research Methods.
Basic issues in social research are introduced, while emphasizing design and analysis of quantitative research studies. Research exercises culminate in a major research paper analyzing secondary data from The General Social Survey. Critique of published research articles is also required. (WI) Prerequisite: SOCI 3307 with a grade of "D" or better. Corequisite: SOCI 3318 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SOCI 4309. Qualitative Research Methods.
This course examines issues in the sociological research process with an emphasis on qualitative methods. Students will design, propose, and submit a qualitative study based on an extensive review of the sociological literature. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SOCI 4360. Directed Study.
A course of independent study open to superior students. May be repeated with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 4690. Internship in Applied Sociology.
This course is a supervised work experience related to students' career interests. Requirements include seminars and a 300-hour internship for 15 weeks during long semesters or 10 weeks in the summer. This course is limited to BS majors who meet all prerequisites and can be taken for credit only once.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in Sociology

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. For transfer students, 12 semester credit hours in Sociology (or their equivalents) may be transferred from a Texas public institution of higher education for the Sociology Field of Study (FOS) and be applied to the Bachelor of Arts degree with a major in Sociology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list. In the case where there is no Texas State University course number equivalent to a FOS number, an advanced elective will be counted.

Code	Title	Hours
SOCI 1310	Introduction to Sociology	3
TCCN: SOCI 1301		
SOCI Advanced Elective		3
TCCN: SOCI 1306		
SOCI Advanced Elective		3
TCCN: SOCI 2301		
SOCI Advanced Elective		3
TCCN: SOCI 2319		
Total Hours		12

5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. Nine hours of writing intensive courses (not including ENG 1310 or ENG 1320) are required for graduation.
7. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
8. Students in the B.A. major in Sociology are required to complete the following Sociology courses:

Code	Title	Hours
SOCI 1310	Introduction to Sociology	3
or SOCI 3300	Principles of Sociology	
SOCI 3307	Statistics for the Behavioral Sciences	3
SOCI 3318	Applied Data Analysis	3
SOCI 4306	Sociological Theory	3
SOCI 4308	Quantitative Research Methods	3
SOCI 4309	Qualitative Research Methods	3
The remaining 21 hours of coursework may be selected from any SOCI advanced courses. Students are encouraged to consult with the undergraduate academic advisor for elective course selection.		21

Course Requirements

			Freshman	
First Semester	Hours		Second Semester	Hours
SOCI 1310	3		Modern Language 1420	4
ENG 1310 (Communication Component Code 010)	3		ENG 1320 (Communication Component Code 010)	3
US 1100	1		COMM 1310 (Component Area Option Code 090/091)	3
Modern Language 1410	4		Life & Physical Sciences Component Code 030	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3		Mathematics Component Code 020	3
Life & Physical Sciences Component Code 030	3			
	17			16

				Sophomore
First Semester	**Hours**		**Second Semester**	**Hours**
SOCI 3307	3	POSI 2320 (Government/ Political Science Component Code 070)		3
ENG Literature (Component Area Option Code 090/094)	3	HIST 1320 (American History Component Code 060)		3
HIST 1310 (American History Component Code 060)	3	Modern Language 2320		3
Modern Language 2310	3	BA ENG Literature		3
POSI 2310 (Government/ Political Science Component Code 070)	3	SOCI 3318		3
	15			15

				Junior
First Semester	**Hours**		**Second Semester**	**Hours**
SOCI Advanced Electives	6	SOCI 4306		3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	Social & Behavioral Sciences Component Code 080 select one of the following:		3
BA Computer Science, Logic, Mathematics or science	3	ANTH 1312		
Minor	3	ECO 2301		
		ECO 2314		
		GEO 1310		
		PFW 1301		
		PSY 1300		
		Minor		6
	15			12

				Senior
First Semester	**Hours**		**Second Semester**	**Hours**
SOCI 4308	3	SOCI 4309		3
SOCI Advanced Electives	9	SOCI Advanced Electives		6
Minor	3	Minor		6
	15			15

Total Hours: 120

Bachelor of Science (B.S.) Major in Applied Sociology

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students are required to complete the following Sociology courses:

Code	Title	Hours
SOCI 1310	Introduction to Sociology	3
or SOCI 3300	Principles of Sociology	
SOCI 3307	Statistics for the Behavioral Sciences	3
SOCI 3318	Applied Data Analysis	3
SOCI 4306	Sociological Theory	3
SOCI 4308	Quantitative Research Methods	3
SOCI 4309	Qualitative Research Methods	3
SOCI 4690	Internship in Applied Sociology	6
The remaining 15 hours of upper division sociology coursework should be related to their occupational goals or free SOCI advanced electives. Courses should be chosen with the advice of the undergraduate academic advisor.		15

3. In addition to general education core curriculum and degree requirements, students must complete two semesters of coursework in the same foreign language (1410, 1420) unless they successfully completed two years of foreign language in high school, and must complete one additional English sophomore literature course or ENG 3303 or ENG 3304.
4. For transfer students, 12 semester credit hours in Sociology (or their equivalents) may be transferred from a Texas public institution of higher education for the Sociology Field of Study and be applied to the Bachelor of Science with a major in Applied Sociology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list. In the case where there is no Texas State University course number equivalent to a FOS number, an elective will be counted.

Code	Title	Hours
SOCI 1310	Introduction to Sociology	3
TCCN: SOCI 1301		
Elective		3
TCCN: SOCI 1306		
Elective		3
TCCN: SOCI 2301		
Elective		3
TCCN: SOCI 2319		
Total Hours		12

5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
7. Nine hours of writing intensive courses (not including ENG 1310 or ENG 1320) are required for graduation.
8. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

Course Requirements

				Freshman
First Semester	Hours		Second Semester	Hours
SOCI 1310	3	HIST 1310 (American History Component Code 060)		3
ENG 1310 (Communication Component Code 010)	3	Social & Behavioral Sciences Component Code 080 select one of the following:		3
US 1100	1	ANTH 1312		
POSI 2310 (Government/ Political Science Component Code 070)	3	ECO 2301		
Life & Physical Sciences Component Code 030	3	ECO 2314		
COMM 1310 (Component Area Option Code 090/091)	3	GEO 1310		
		PFW 1301		
		PSY 1300		
		ENG 1320 (Communication Component Code 010)		3
		Mathematics Component Code 020		3
		Life & Physical Sciences Component Code 030		3
	16			15

				Sophomore
First Semester	Hours		Second Semester	Hours
SOCI 3307	3	POSI 2320 (Government/ Political Science Component Code 070)		3
ENG Literature (Component Area Option Code 090/094)	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)		3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	SOCI 3318		3
HIST 1320 (American History Component Code 060)	3	SOCI Advanced Elective		3
SOCI Advanced Elective	3	ENG Literature		3
	15			15

				Junior
First Semester	Hours		Second Semester	Hours
SOCI 4306	3	SOCI 4308		3
SOCI Advanced Elective	3	SOCI Advanced Elective		3
Minor	3	Minor		6
Free Electives as needed	9	Free Electives as needed		6
	18			18

				Senior
First Semester	Hours		Second Semester	Hours
SOCI 4309	3	SOCI 4690 (taken last semester)[1]		6
Free Electives as needed	2			
SOCI Advanced Elective	3			
Minor	9			
	17			6

Total Hours: 120

1 In the senior year, students must complete a field internship (SOCI 4690) related to their applied sociological training and minor concentration. Enrollment in the internship requires completion of all other course work in the major and a Texas State GPA of 2.00, a major GPA of 2.25 and a minor GPA of 2.00.

Minor in Aging and the Life Course

The minor in Aging and the Life Course requires 18 semester credit hours. Students who want a minor that may lead to a career studying gerontology or working with people in their various life stages, including their final stage, should select Aging and the Life Course as a minor.

Code	Title	Hours
Required Courses		
Choose 9 hours from the following:		9
PSY 3313	Psychology of Adulthood and Aging	
SOCI 3329	Life Course Sociology	
SOCI 3383	Aging and Society	
SOWK 4320	Social Work with Older Adults	
Choose 9 hours from the following:		9
PSY 3313	Psychology of Adulthood and Aging	
PSY 3361	Health Psychology	
SOCI 3327	Multicultural Relations	
SOCI 3329	Life Course Sociology	
SOCI 3337	The Family	
SOCI 3338	Family Problems	
SOCI 3358	Work and Society	
SOCI 3383	Aging and Society	
SOCI 3384	The Sociology of Death and Dying	
SOCI 3395	Sociology of Sexuality	
SOWK 4320	Social Work with Older Adults	
Total Hours		18

Minor in Latina/o Studies

The minor in Latina/o Studies requires 18 semester credit hours.

Code	Title	Hours
Required Courses		
LATS 2300	Introduction to Latina/o Studies	3
LATS 4325	Latina/o Identities, Communities and Social Change	3
Electives		
Choose 12 hours from the following:		12
ANTH 3324	Mexican American Culture	
ANTH 3350	Gender and Sexuality in Cross-cultural Perspective	
ARTH 4314	Art and Politics	
ARTH 4321O	Spanish Colonial Art of Latin America	
CJ 3322	Race, Ethnicity and Criminal Justice	
COMM 3329	Intercultural Communication	

COMM 4341	Intercultural Communication in the Americas
CTE 3315	Leadership and Professional Development
CTE 3324	Entrepreneurship in Schools, Communities, and the Workplace
ENG 3341	Studies in World Literature
ENG 3343	The Interdisciplinary Approach to Literature
ENG 3344	Chicano/a Narrative and Social History
ENG 4325	Literature of the Southwest
FCD 4358	Latino Youth and Families
GEO 3308	Latin America
GEO 3349	Population Geography
GEO 3353	American Ethnic Geography
HIST 2312	History of World Civilization from the 17th Century
HIST 3369Z	Immigration and US History
HIST 3371B	Health and Illness in American History
HIST 4372	Mexican American History
HIST 4373	Economic and Social History of the Americas
MC 4319	Latinas/Latinos and the Media
MKT 3385	Ethnic and Niche Marketing
MUSE 3102	Salsa Del Rio
MUSE 3108	Orquesta del Rio
PHIL 4372	Latin American Philosophy
PS 3354	United States-Latin America Relations
PS 4323	Latina/o Politics
PSY 3334	Psychology of Human Diversity
SOCI 3320	Population Dynamics
SOCI 3322	Sociology of Latinos and Immigration
SOCI 3327	Multicultural Relations
SOCI 3333	The Sociology of Popular Music
SOCI 3375K	Social Movements
SPAN 3308	Advanced Composition
SPAN 4312	Contemporary Aspects of Hispanic Linguistics
SPAN 4370	Hispanic Literature of the Southwest
TH 4303	Multicultural Perspectives in American Theatre
Total Hours	18

Minor in Sociology

The minor in Sociology requires 18 semester credit hours.

Code	Title	Hours
Required Course		
SOCI 1310	Introduction to Sociology	3
or SOCI 3300	Principles of Sociology	
Electives		
Choose 15 hours of SOCI courses, 12 of which must be advanced (3000-4000) level		15
Total Hours		18

Minor in Studies in Popular Culture

The minor in Studies in Popular Culture requires 18 semester credit hours. The minor is designed to acquaint students with trends in American popular culture. Techniques of research, social meanings and consequences of popular culture are the major foci of the minor.

Courses for the Studies in Popular Culture minor were selected because they deal with significant aspects of everyday life ranging from mass media through the history of cultural trends and phenomenon. The courses selected deal with subjects that both are influenced by and influence popular culture.

Code	Title	Hours
Required Courses		
SOCI 3317	Popular Culture and Society	3
Choose 15 hours from the following:		15
ANTH 3309	Cultures Through Film	
ARTH 3307	Issues in Contemporary Art	
ARTH 4312	The Arts in Popular Culture	
COMM 3332	The Dark Side of Communication	
COMM 4327	Social Media in Organizations	
ENG 3309	The Southwest in Film	
ENG 3326	American Drama on Film	
ENG 3329	Mythology	
ENG 3331	Literature of Black America	
HIST 3343	Social and Intellectual History of the United States Since 1865	
HIST 3368K	Topics in American Cultural History	
HIST 3368M	Popular Music and Social Movements in 20th Century America	
HIST 3368R	History of Rock and Roll	
HIST 3368S	History of Music and Race in the American South	
HIST 3377	History of Country Music	
HIST 3378	History of the Blues	
HIST 4360	History of the United States, 1945 to 1968	
HIST 4361	History of the United States, 1968 to the Present	
HIST 4376	The History of Texas Music	
MC 3355	Mass Media and Society	
MC 4308	Women and Minorities in the Media	
MU 3308	History of Rock Music	
MU 3375	History of Jazz	
PHIL 3325	Philosophy of Sex and Love	
PHIL 3326	Philosophy and Sport	
PHIL 4360A	Ethics and Dementia	
PHIL 4360B	Moral Psychology	
PS 3328	Politics in Film	
PS 4315	The Politics of Dystopia	
REL 3361A	Religion and Film	
SOCI 3324	Social Stratification	
SOCI 3333	The Sociology of Popular Music	
SOCI 3340	Sociology of Sport and Leisure	
SOCI 3349	Drugs and Society	
SOCI 3358	Work and Society	
SOCI 3365	Society and Environment	
SOCI 3372	Food and Society	
SOCI 3375J	Sociology of Consumption	
SOCI 3390	Technology and Society	

SOCI 3395	Sociology of Sexuality	
Total Hours		18

Department of World Languages and Literatures

Centennial Hall Room 214
Telephone: 512-245-2360 Fax: 512-245-8298
www.worldlang.txstate.edu (https://nam04.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.worldlang.txstate.edu&data=02%7C01%7Csg42%40txstate.edu%7Ca0d558661d564dce78b008d6ca74f39a%7Cb19c134a14c94d4caf65c420f94c8cbb%7C0%7C0%7C636919000996726585&sdata=VxGHBrfbeeOPKN6oWiMjbmX%2B9XXo1D4FOiyyw99JbE%3D&reserved=0)

The Department of World Languages and Literatures offers courses in American Sign Language, Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, and Spanish. Instruction focuses on the acquisition of proficiency in the language and on the development of knowledge of the culture, traditions, and literature of the speakers of the language. The department also offers several study abroad opportunities. Students who major in French, German, or Spanish complete 24 hours of upper division coursework and may simultaneously earn teacher certification. Students who minor in French, German, or Spanish complete 15 hours of upper division coursework, and students who minor in Japanese complete 12 hours of upper division coursework. For language coursework that is not offered at Texas State, the “MODL” course prefix is used as a transcript placeholder to allow students to receive transfer credit for successful completion of the language coursework from other universities. "MODL" is also used for students who receive the requisite score on the ACTFL-OPI exam in a language for which no prefix exists. The “MODL” course is not an academic credit bearing course.

Individuals with proficiency in a second language are always in demand in both the public and private sectors. They facilitate communication among people and nations and make possible the free interchange of information and ideas. Career opportunities abound in such diverse fields as international business, international law, foreign affairs, translation, interpretation, politics, publishing, journalism, broadcasting, and teaching.

Modern Languages Requirement

Students seeking a Bachelor of Arts (B.A.) degree are required to complete successfully an intermediate proficiency level in a language of their choice. Students with limited language background may need to complete the first year of the language (1410 and 1420) before beginning the intermediate level (2310 and 2320). Contact the Department of World Languages and Literatures for information concerning placement exams for beginning and intermediate language coursework. Students can choose from the following language courses:

Code	Title	Hours
ASL 2310 & ASL 2320	Intermediate American Sign Language I and Intermediate American Sign Language II	
ARAB 2310 & ARAB 2320	Intermediate Arabic I and Intermediate Arabic II	
CHI 2310 & CHI 2320	Intermediate Chinese I and Intermediate Chinese II	
FR 2310 & FR 2320	Intermediate French I and Intermediate French II	
GER 2310 & GER 2320	Intermediate German I and Intermediate German II	
ITAL 2310 & ITAL 2320	Intermediate Italian I and Intermediate Italian II	
JAPA 2310 & JAPA 2320	Intermediate Japanese I and Intermediate Japanese II	
LAT 2310 & LAT 2320	Intermediate Latin and Intermediate Latin	
POR 2310 & POR 2320	Intermediate Portuguese I and Intermediate Portuguese II	
RUSS 2310 & RUSS 2320	Intermediate Russian I and Intermediate Russian II	
SPAN 2310 & SPAN 2320	Intermediate Spanish I and Intermediate Spanish II [1]	

[1] Students who choose Spanish to satisfy their B.A. language requirement must earn a grade of "C" or better in each course (SPAN 1410, SPAN 1420, SPAN 2310, and SPAN 2320) to advance to the next level course.

Bachelor of Arts (B.A.)

- Major in French (p. 577)
- Major in French (Teacher Certification in French, Early Childhood Through Grade 12) (p. 577)
- Major in German (p. 578)
- Major in German (Teacher Certification in German, Early Childhood Through Grade 12) (p. 579)
- Major in Spanish (p. 580)
- Major in Spanish (Hispanic Literature and Culture Concentration) (p. 581)
- Major in Spanish (Spanish for the Professions Concentration) (p. 582)
- Major in Spanish (Spanish Linguistics Concentration) (p. 584)
- Major in Spanish (Teacher Certification in Spanish, Early Childhood Through Grade 12) (p. 585)

Minors

- French
- German (p. 586)
- Japanese (p. 587)
- Spanish (p. 587)

Subjects in this department include: ASL (p. 566), ARAB (p. 567), CHI (p. 567), FR (p. 568), GER (p. 570), ITAL (p. 571), JAPA (p. 572), LAT (p. 573), LING (p. 573), POR (p. 573), SPAN (p. 574).

Courses in American Sign Language (ASL)

Note: American Sign Language courses are taught by extension. For additional information please contact the Office of Correspondence and Extension Studies at 512.245.2322 or http://www.studyanywhere.txstate.edu/

ASL 1410. Beginning American Sign Language I.
Introduction to understanding and using American Sign Language within the cultural framework of the deaf community. Students who take ASL 1410 toward degree requirements must also complete ASL 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: SGNL 1401

ASL 1420. Beginning American Sign Language II.
Continued practice in understanding and using American Sign Language within the cultural framework of the deaf community. Students who take ASL 1410 toward degree requirements must also complete ASL 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: SGNL 1402

ASL 2310. Intermediate American Sign Language I.
Continued development and review of American Sign Language within the cultural framework of the deaf community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SGNL 2301

ASL 2320. Intermediate American Sign Language II.
More advanced practice in American Sign Language within the cultural framework of the deaf community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SGNL 2302

Courses in Arabic (ARAB)

Note: Arabic courses are taught by extension. For additional information please contact the Office of Correspondence and Extension Studies at 512.245.2322 or http://www.studyanywhere.txstate.edu/

ARAB 1410. Beginning Arabic I.
Introduction to listening, speaking, reading, and writing skills within an Arabic cultural framework. Students who take ARAB 1410 toward degree requirements must also complete ARAB 1420. (MULT).
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ARAB 1411

ARAB 1420. Beginning Arabic II.
Continued practice in listening, speaking, reading, and writing skills within an Arabic cultural framework. Students who take ARAB 1410 toward degree requirements must also complete ARAB 1420. (MULT).
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ARAB 1412

ARAB 2310. Intermediate Arabic I.
Continued development and review of all language skills within an Arabic cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ARAB 2311

ARAB 2320. Intermediate Arabic II.
More advanced practice in all language skills with greater emphasis on reading within an Arabic cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ARAB 2312

ARAB 3301. Levantine Arabic.
An introduction to Arab dialects with a focus on Levantine Arabic (Jordan, Syria, Lebanon, and Palestinian territories). The course will emphasize oral communication and using the dialect correctly in its cultural context. It will also compare Levantine Arabic to Modern Standard Arabic. Repeatable once with different content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARAB 3302. Media Arabic.
Introduction to Arab media designed to advance students' proficiency in Arabic. It will present cultural characteristics of Arab media and describe how those characteristics differ from those of US media. The course will increase students' vocabulary knowledge and enable them to understand various Arab media sources. Repeatable once with different content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARAB 4390. Studies in Arabic Language and Culture.
In this course students will conduct an independent study project on Arabic language or culture. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Courses in Chinese (CHI)

Note: Chinese courses are taught by extension. For additional information please contact the Offi of Correspondence and Extension Studies at 512.245.2322 or http://www.studyanywhere.txstate.edu/

CHI 1410. Beginning Chinese I.
Introduction to listening, speaking, reading, and writing skills within a Chinese cultural framework. Students who take CHI 1410 toward degree requirements must also complete CHI 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: CHIN 1411

CHI 1420. Beginning Chinese II.
Continued practice in listening, speaking, reading, and writing skills within a Chinese cultural framework. Students who take CHI 1410 toward degree requirements must also complete CHI 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: CHIN 1412

CHI 2310. Intermediate Chinese I.
Continued development and review of all language skills within a Chinese cultural framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHIN 2311

CHI 2320. Intermediate Chinese II.
More advanced practice in all language skills with greater emphasis on reading within a Chinese cultural framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHIN 2312

CHI 3301. Conversational Chinese.
This course is designed to improve oral communication skills in Chinese using current video and text media. The course will include the development of vocabulary and grammar necessary for communication and will focus on selected cultural themes. Students' group video projects will be posted on a course blog.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHI 4390. Studies in Chinese Language and Culture.
Students will conduct an independent study project in Chinese language or culture. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Courses in French (FR)

FR 1410. Beginning French I.
Introduction to listening, speaking, reading, and writing skills within a French cultural framework. Students who take FR 1410 toward degree requirements must also complete FR 1420. (MULT).
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: FREN 1411

FR 1420. Beginning French II.
Continued practice in listening, speaking, reading, and writing skills within a French cultural framework. Students who take FR 1410 toward degree requirements must also complete FR 1420. (MULT). Prerequisite: FR 1410 with a grade of "D" or better.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: FREN 1412

FR 2310. Intermediate French I.
Continued development and review of all language skills within a French cultural framework. (MULT). Prerequisite: FR 1420 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: FREN 2311

FR 2320. Intermediate French II.
More advanced practice in all language skills with greater emphasis on reading within a French cultural framework. (MULT). Prerequisite: FR 2310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: FREN 2312

FR 3303. French Composition and Conversation.
This course introduces students to extended writing and conversation in French. Students will examine contemporary French and Francophone life from a variety of focuses: social, cultural, and professional. This course will prepare students for taking other advanced literature, cultural, and business courses in French. Prerequisite: FR 2320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FR 3305. Acting French.
An introduction to upper division courses in French designed to strengthen reading skills and oral command of the language through the study and performance of short French plays from the classical to the contemporary period. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FR 3306. Masterpieces of French Literature.
Masterpieces of French literature in various genres from different periods with emphasis on the modern period. Repeatable for credit with different emphasis. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

FR 3308. French Translation I.
This course introduces students to translation from French to English. Students identify key translation techniques, interpret and discuss French texts, and propose translations for them. They compare, analyze and evaluate translations and revise their own work based on suggestions. This course prepares students for a course in specialized translation. Prerequisite: FR 2320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FR 3310. French Pronunciation and Intonation.
Study and intensive practice of problems in French pronunciation and intonation. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FR 3341. Advanced Grammar in French.
A study of more advanced grammatical, syntactical, and stylistic problems in mastering the French language with the aim of strengthening students' command of the structure of French and developing skills for more effective writing. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FR 3350. History of French Cinema I, 1895-1960.
This course introduces students to the history of French Cinema from the medium's origins in 1895 to the late 1950s. Students will learn about major developments in film narrative and technology in France from the silent to the classic eras. May be repeated for credit when topic varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

FR 3351. History of French Cinema II, 1960 to the Present.
This course introduces students to the history of French Cinema from the late 1950s to the present. Students will learn about major developments in film narrative and technology in France from the New Wave to the New New Wave cinemas. May be repeated for credit when topic varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

FR 3381. Business French I.
A course designed for students interested in business related careers. The course will help students to become familiar with basic French business language and the specifics of Francophone business cultures. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FR 3382. Business French II.
A case study-based course that uses a simulation approach to problem-solving in a French business environment. The course objective is the development of an understanding of French practices, and the way they differ from American ones, through the analysis of contextualized situations in marketing and management. (MULT). Prerequisite: FR 3381 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FR 4304B. French Genre Fiction.
This course focuses on the study of specific fictional works associated with a particular genre (e.g., crime fiction, the fantastic, and science-fiction) and the authors who are exemplars of that narrative category. Prerequisite: FR 2320 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

FR 4307. Study of French Language.
This course introduces students to the scientific study of the French language through discussion of readings with examples in both English and French. Prerequisite: FR 3310 or FR 3341 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FR 4308. French Translation II.
This course provides a theoretical framework for the advanced study of translation and an introduction to specific fields such as legal, business, financial, technical and medical translation as well as localization. Prerequisite: FR 3303 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FR 4330A. History of French Media.
This course introduces students to a survey of the history of the French press from the early modern to the post-World War II period. Topics include the roles of ideology and collective memory, of illustration and caricature, of propaganda and censorship, and of the development of the French intellectual figure. Prerequisite: FR 3303 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

FR 4330B. Contemporary Issues in French Media.
This course focuses on contemporary French media – printed, broadcast, and online – from the postwar period to the present. Prerequisite: FR 3303 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

FR 4341. French Composition and Stylistics.
Students will incorporate their more advanced grammatical and syntactical skills with the study of style in the writing of compositions in French. Writing exercises will explore a variety of expository techniques from description, narration, dialogue, portraits, to the writing of letters. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FR 4350A. French Poetic Realist Cinema.
This course will study the films and directors associated with Poetic Realism, the film style of the 1930s in France and an important precursor to Italian Neorealism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FR 4350C. French Directors' Series.
This course offers students an in-depth examination of the films, themes, and styles associated with specific contemporary or classic French directors. Taught in English.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

FR 4370. French Civilization.
A survey of the cultural institutions of France designed to provide a background for a better understanding of the French people, encompassing the development of French culture and the forces that have shaped modern France. Recent essays, films, and comparative analyses of French-American relations will be presented. Repeatable for credit with different emphasis. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

FR 4390. Studies in French Culture, Language, or Literature.
A course designed to offer students an opportunity to pursue independent studies in special areas of interest beyond those of other catalog courses. The course is generally available only to graduating seniors who have completed at least two advanced courses or graduate students with special needs. May be repeated once for additional credit. (MULT) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

Courses in German (GER)

GER 1410. Beginning German I.
Introduction to listening, speaking, reading, and writing skills within a German cultural framework. Students who take GER 1410 toward degree requirements must also complete GER 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: GERM 1411

GER 1420. Beginning German II.
Continued practice in listening, speaking, reading, and writing skills within a German cultural framework. Students who take GER 1410 toward degree requirements must also complete GER 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: GERM 1412

GER 2310. Intermediate German I.
Continued development and review of all language skills within a German cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: GERM 2311

GER 2320. Intermediate German II.
More advanced practice in all language skills with greater emphasis on reading within a German cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: GERM 2312

GER 3304A. German Cinema.
This course explores German film, history, and theory. Emphasis is placed on the interrelation of German and American uses of the medium. The course includes classic style (1910s), German Expressionism (1920s), cinema of Nazi Propaganda (1940s), the period of reconstruction (1950s), and the German New, and New New Waves.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

GER 3304B. German Colonialism, Orientalism, and Exoticism in Film and Literature.
This course surveys German colonial narratives and theories from the 19th and the mid-20th century. The course examines how critics today interpret the political and aesthetic tropes around which texts are organized, focusing on how these "colonial fantasies" emphasized national differences between German and other European powers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

GER 3304C. The Many Faces of Weimar Cinema: German Expressionist Films.
The course provides an overview of the changing roles of German cinema in the early 20th century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GER 3304D. German Translation.
In this course, students approach translation as a method of improving their reading ability in German, not only through language, but also in terms of cultural competence in dealing with texts from the German-speaking world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GER 3305. German on the Stage.
An introduction to upper division courses in German designed to strengthen reading skills and oral command of the language through the study and performance of short German-language plays from the classical to the contemporary period. May be repeated for credit twice with different topics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GER 3310. German Phonetics.
This course introduces students to German phonetics, primarily German pronunciation, intonation, and stress. The course is taught in German and can be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GER 3320. Improving German Communication Skills.
Extensive practice in speaking and writing German and in mastering advanced grammatical structures in speaking and writing. Prerequisite: GER 2320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GER 3341. Review of German Grammar.
Students will review the foundations of German grammar and expand their skills at the intermediate/advanced level. A strong foundation in German grammar is essential for mastering the language and communicating effectively in it.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GER 3370. German Civilization.
An examination of German culture and life designed to provide a background for a better understanding of Germany and the Germans, encompassing historical survey of the development of German culture, the forces that shaped modern Germany, and a survey of contemporary German life and culture. Collateral readings; oral and written reports in German. May be repeated once for additional credit. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

GER 3380. Business German in Global Economy.
An introduction to the individual economies of each German state, the language and standards of the German business world, the tourist industry of Germany, and Germany's role in the European Community. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GER 4310. Masterpieces of German Literature.
An examination of major literary works representing the major genres and periods of German literature. The course may be repeated once with different content for additional credit. (MULT). Prerequisite: one GER 3000-level course or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

GER 4340. Advanced Conversation, Composition, and Stylistics.
A course designed to strengthen total command of the language. Collateral readings; oral and written reports in German. May be repeated once for additional credit. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

GER 4390. Studies in German Culture, Language, or Literature.
A course designed to offer students an opportunity to pursue independent studies in special areas of interest beyond those of other catalog courses. The course is generally available only to graduating seniors who have completed at least two advanced courses or graduate students with special needs. Applications must be submitted prior to the registration period each semester. May be repeated once for additional credit. (MULT). Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

Courses in Italian (ITAL)

Note: Italian courses are taught by extension. For additional information please contact the Offi of Correspondence and Extension Studies at 512.245.2322 or http://www.studyanywhere.txstate.edu/

ITAL 1410. Beginning Italian I.
Introduction to listening, speaking, reading, and writing skills within an Italian cultural framework. Students who take ITAL 1410 toward degree requirements must also complete ITAL 1420. (MULT).
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ITAL 1411

ITAL 1420. Beginning Italian II.
Continued practice in listening, speaking, reading, and writing skills within an Italian cultural framework. Students who take ITAL 1410 toward degree requirements must also complete ITAL 1420. (MULT).
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ITAL 1412

ITAL 2310. Intermediate Italian I.
Continued development and review of all language skills within an Italian cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ITAL 2311

ITAL 2320. Intermediate Italian II.
More advanced practice in all language skills with greater emphasis on reading within an Italian cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ITAL 2312

ITAL 3308. Advanced Grammar and Composition.
This course is designed to improve writing skills in Italian through the reading and writing of Italian texts. Focus on writing skills and the reading of selected works from Italian literature. Repeatable once with different content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ITAL 4390. Studies in Italian Language and Culture.
Students will conduct an independent study project in Italian language and culture. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Courses in Japanese (JAPA)

JAPA 1410. Beginning Japanese I.
Introduction to listening, speaking, reading, and writing skills within a Japanese cultural framework. Students who take JAPA 1410 toward degree requirements must also complete JAPA 1420. (MULT).
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Multicultural Content
Grade Mode: Standard Letter
TCCN: JAPN 1411

JAPA 1420. Beginning Japanese II.
Continued practice in listening, speaking, reading, and writing skills within a Japanese cultural framework. Students who take JAPA 1410 toward degree requirements must also complete JAPA 1420. (MULT).
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Multicultural Content
Grade Mode: Standard Letter
TCCN: JAPN 1412

JAPA 2310. Intermediate Japanese I.
Continued development and review of all language skills in a Japanese cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: JAPN 2311

JAPA 2320. Intermediate Japanese II.
Advanced practice in all language skills in a Japanese cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: JAPN 2312

JAPA 3304. Advanced Japanese Grammar I.
Course designed to strengthen written command of the language through grammar instruction as well as readings and reports in Japanese. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

JAPA 3306. Modern Japanese Literature and Culture.
Students will analyze Japanese literature and culture while developing their proficiency in Japanese, increasing their vocabulary in the language, and extending their knowledge of critical kanji necessary for understanding the written language.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

JAPA 3307. Advanced Japanese Writing and Grammar.
A writing intensive course designed to strengthen students' knowledge of the structure of Japanese and written command of the language. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

JAPA 3308. Advanced Japanese for Business.
An advanced course designed to develop the skills needed to succeed in the complex business world of Japan. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

JAPA 3309. Japanese Language through Popular Culture.
Students will improve Japanese reading comprehension through the study of popular Japanese media such as manga (graphic novels) or anime (film animation) or kayoo kyoku (Japanese popular song). The course will emphasize how language is used to tell stories for diverse audiences. Repeatable with different emphases. Prerequisite: JAPA 2320 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

JAPA 4304. Advanced Japanese Grammar II.
This course will build on skills learned in JAPA 3304 to further strengthen command of written Japanese through more advanced grammar topics, readings, and reports. Prerequisite: JAPA 3304 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

JAPA 4310. Japanese Post-War Fiction.
This course focuses on fiction from the period after World War II in Japan in the context of post-war social, political, and cultural changes. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

JAPA 4320. Japanese Science Fiction.
The course focuses on Japanese science fiction and its cultural contexts. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

JAPA 4390. Studies in Japanese Language and Culture.
Students will conduct an independent study project in Japanese language or culture. The course is recommended for students in their last year who have already completed at least one advanced course. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Courses in Latin (LAT)

Note: Latin courses are taught by extension. For additional information please contact the Offi of Correspondence and Extension Studies at 512.245.2322 or http://www.studyanywhere.txstate.edu/

LAT 1410. Beginning Latin I.
Introduction to reading and writing skills in Latin with a Latin cultural framework. Students who take LAT 1410 toward degree requirements must also complete LAT 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: LATI 1411

LAT 1420. Beginning Latin II.
Continued practice in reading and writing skills in Latin within a Latin cultural framework. Students who take LAT 1410 toward degree requirements must also complete LAT 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: LATI 1412

LAT 2310. Intermediate Latin.
Introduction to complex grammatical structures and syntax of Latin. Focus on the application of the rules of grammar and syntax to the translation of original classical texts. Some attention given to the diction and written styles of individual authors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: LATI 2311

LAT 2320. Intermediate Latin.
Continued acquisition of complex grammatical structures and syntax. Introduction to reading Latin poetry. Some attention given to meter and scansion as needed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: LATI 2312

Courses in Applied Linguistics and Language Learning (LING)

LING 4307. Foreign Language Acquisition.
An introduction to the nature of language development and to the theories that describe foreign language acquisition and development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LING 4390. Independent Study in Applied Linguistics and Language Learning.
This course is generally open only to students with special needs. Students select a topic in line with their special interests and requirements. May be repeated once with different topic for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Courses in Portuguese (POR)

Note: Portuguese courses are taught by extension. For additional information please contact the Offi of Correspondence and Extension Studies at 512.245.2322 or http://www.studyanywhere.txstate.edu/.

POR 1410. Beginning Portugese 1.
Introduction to listening, speaking, reading, and writing skills within a Brazilian cultural framework. Students who take POR 1410 toward degree requirements must also complete POR 1420. (MULT).
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: PORT 1411

POR 1420. Beginning Portuguese II.
Continued practice in listening, speaking, reading, and writing skills within a Portuguese cultural framework. Students who take POR 1410 toward degree requirements must also complete POR 1420. (MULT).
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: PORT 1412

POR 2310. Intermediate Portuguese I.
Continued development and review of all language skills within a Portuguese cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: PORT 2311

POR 2320. Intermediate Portuguese II.
More advanced practice in all language skills with greater emphasis on reading with a Portuguese cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: PORT 2312

POR 3308. Advanced Composition and Conversation through the Brazilian Short Story.
This course will help students advance their knowledge of the Portuguese language through the reading, discussion, and analysis of modern and contemporary Brazilian short stories. By reading the works of renowned writers students will be able to expand their vocabulary and develop fluent reading and writing skills. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

Courses in Spanish (SPAN)

SPAN 1410. Beginning Spanish I.
Introduction to listening, speaking, reading, and writing skills within a Spanish cultural framework. Students who take SPAN 1410 toward degree requirements must also complete SPAN 1420. (MULT).
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: SPAN 1411

SPAN 1420. Beginning Spanish II.
Continued practice in listening, speaking, reading, and writing skills within a Spanish cultural framework. Prerequisite: SPAN 1410 with a grade of "C" or better. Students who take SPAN 1410 toward degree requirements must also complete SPAN 1420. (MULT).
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: SPAN 1412

SPAN 2310. Intermediate Spanish I.
Continued development and review of all language skills within a Spanish framework. (MULT) Prerequisite: SPAN 1420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: SPAN 2311

SPAN 2320. Intermediate Spanish II.
More advanced practice in all language skills with greater emphasis on reading within a Spanish cultural framework. (MULT) Prerequisite: SPAN 2310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: SPAN 2312

SPAN 3301. Literatures of Spain I.
Students will study significant literary texts of the Iberian Peninsula from the Muslim conquest in 711 A.D. through 1700. The course will also consider the literature's historical, religious, social, and political contexts. Prerequisite: SPAN 3309 with a grade of "C" or better. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 3302. Literatures of Spain II.
Students will study significant literary texts of the Iberian Peninsula from the Enlightenment through the twenty-first century. The course will also consider the literature's historical, social, and political contexts. Prerequisite: SPAN 3309 with a grade of "C" or better. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 3305. Latin American Literatures I.
Students will study literary texts in Latin American from the period before the Conquest through the Colonial and Independence periods. The course will also consider the literature's historical, religious, social, and political contexts. Prerequisite: SPAN 3309 with a grade of "C" or better. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 3306. Latin American Literatures II.
Students will study literary texts of Latin American from Modernismo to the twenty-first century. The course will also consider the literature's historical, social, and political contexts. (MULT) (WI) Prerequisite: SPAN 3309 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 3308. Advanced Composition.
A course designed to improve writing skills in Spanish through the reading of texts in Spanish. (WI) Prerequisite: SPAN 2320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SPAN 3309. Introduction to Hispanic Literature and Literary Analysis.
This course focuses on writing skills, literary analysis, and the reading of selected works from Spanish, Latin American and Hispanic literature. (MULT) (WI) Prerequisite: SPAN 2320 with a grade of "C" or better. Corequisite: SPAN 3308 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 3310. Spanish Phonetics and Phonemics.
Articulatory phonetics and sound discrimination and production; phonemic and allophonic variants; geographical and social distribution. (MULT) Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SPAN 3311. Business Spanish I.
This course focuses on the use of written and oral Spanish in global business contexts, as well as exploring economic, demographic, and cultural factors that influence commercial interactions in the Hispanic world. Topics include business management, banking, and human resources. (MULT) Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SPAN 3312. Business Spanish II.
This course focuses on the use of written and oral Spanish in global business contexts, as well as exploring economic, demographic, and cultural factors that influence commercial interactions in the Hispanic world. Topics include marketing, financing, and imports/exports. (MULT) Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SPAN 3340. Advanced Spanish Grammar and Stylistics.
This course places major emphasis on syntax, usage, and grammatical nomenclature. (MULT) Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 3370. Spanish Civilization.
Students will study the civilizations and cultures of Spain. The course provides a background for understanding Spanish society. (MULT) (WI) Prerequisite: SPAN 3308 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 3371. Latin American Civilization.
Students will study the cultures of Latin America and the Hispanic U.S. The course provides a background of the history and civilization of both groups. (MULT) (WI) Prerequisite: SPAN 3308 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 4300. Professional Internship in Spanish.
This course is a supervised work experience in a Spanish-speaking environment. Students will work a minimum of 140 hours, performing duties at least 80% in Spanish. Other requirements include internship reports as required by course instructor. Prerequisite: SPAN 3308 with a grade of "C" or better and instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 4302. The Spanish Novel.
Students will study selected novels of Spain from the 16th through the 21st century. The course will also consider the literature's historical, religious, and political contexts. (MULT) (WI) Prerequisite: SPAN 3309 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 4311. Historical Aspects of Hispanic Linguistics.
Course designed to develop knowledge and skills required for analysis and discussion of structural and external aspects of the history of the Spanish language with special focus on word formation and social aspects of language variation. The course provides an overview of morphology, sociolinguistics, and historical linguistics. Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPAN 4312. Contemporary Aspects of Hispanic Linguistics.
This course is designed to develop knowledge and skills required for analysis and discussion of the structural and social aspects of the Spanish language. The course provides an overview of semantics, syntax, pragmatics, dialectology, and language acquisition in Spanish. Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPAN 4330. The Latin American Novel.
Students will study selected novels from Latin America. The course will also consider the literature's historical and political contexts. (MULT) (WI) Prerequisite: SPAN 3309 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 4341. Gabriel Garcia Marquez.
Students will read and analyze works by Nobel Prize author Gabriel Garcia Marquez, focusing on literature, history, politics and art of Latin America. (WI) Prerequisite: SPAN 3309 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SPAN 4342. Don Quijote.
Students will read and analyze Miguel de Cervantes' Don Quijote. The course will also consider the novel's literary sources and historical and cultural context. Prerequisite: SPAN 3309 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SPAN 4350. Hispanic Film.
Students will study Hispanic artistic, cultural, and historical issues through film and selected readings. (MULT) Prerequisite: SPAN 3309 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 4361. Hispanic Poetry.
Students will read and analyze selected poems from Latin America and Spain. The course will consider the cultural and historical contexts of the works. (MULT) (WI) Prerequisite: SPAN 3309 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 4362. Hispanic Drama.
Students will read and analyze selected plays from Latin America and Spain. The course will also consider the cultural context of the works. (MULT) (WI) Prerequisite: SPAN 3309 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 4370. Hispanic Literature of the Southwest.
Students will study the Hispanic literature of the Southwest in order to have a better understanding of the cultural diversity of the region. (MULT) Prerequisite: SPAN 3309 a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 4380A. Hispanic Nobel Prizes in Literature.
Hispanic Nobel prizes in Literature. (WI) Prerequisite: SPAN 3309 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

SPAN 4380E. Translation Practice and Theory.
An introduction to Spanish translation at the upper division. The object of the course is to improve reading comprehension – a fundamental skill for translators-, language proficiency, and cultural and historical knowledge of the target language. Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 4380F. Mexican Literature.
This course focuses on the most representative works of Mexican Literature produced since Mexican Independence in the early 19th century. Course objectives include a better understanding of major literary trends and the cultural development of Mexican society since its beginning as an independent republic. Prerequisite: SPAN 3308 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

SPAN 4380G. Women, Minorities and Marginal Groups in Medieval Spanish Literature.
This course will present some of the principal literary works which portray women, religious minorities and marginal groups in medieval Spain. Special focus will be given on deconstructing historical myths and stereotypes based on behavioral, religious and sexual identity as reflected by the authors and their selected works. Prerequisite: SPAN 3308 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

SPAN 4380H. Nature and Nation in Latin American Literature.
Students will study the interaction of nature and nation in Latin American literature after Independence by taking into account both Western and indigenous approaches to nature. Students will read a selection of literary works that reinforce and/or contest notions of nature, nation and cultural identity. Prerequisite: SPAN 3309 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

SPAN 4380I. Spanish and Media.
This course provides an overview of mass communication in Spanish-speaking regions of the world. Students will explore the use of radio, television, newspapers, and the internet, as practiced in various Hispanic cultural contexts. Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 4390. Studies in Spanish Culture, Language, or Literature.
The course is generally available only to graduating seniors who have completed several advanced courses or graduate students with special needs. Repeatable for credit with different emphasis. (MULT) Prerequisite: SPAN 3308 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 4600. Professional Internship in Spanish.
This course is a supervised work experience in a Spanish-speaking environment. Students will work a minimum of 280 hours, performing duties at least 80% in Spanish. Other requirements include internship reports as required by course instructor. (MULT) Prerequisite: SPAN 3308 with a grade of "C" or better.
6 Credit Hours. 0 Lecture Contact Hours. 18 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in French

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. Students in the Bachelor of Arts (B.A.) degree with a major in French must complete 24 advanced hours in French and maintain a GPA of at least a 2.50 in all advanced French course work to meet graduation requirements.
7. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
8. Graduating seniors must submit a portfolio of their work to the French faculty in their last semester. Details about the portfolio are available in the Department's main office and on the French Program webpage.

Course Requirements

				Freshman
First Semester	Hours		Second Semester	Hours
COMM 1310 (Componennt Area Option Code 090/091)	3		HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3		ENG 1320 (Communication Component Code 010)	3
US 1100	1		FR 1420	4
POSI 2310 (Government/ Political Science Component Code 070)	3		Mathematics Component Code 020	3
FR 1410	4			
	14			13

				Sophomore
First Semester	Hours		Second Semester	Hours
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3		POSI 2320 (Government/ Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3		FR 2320	3
FR 2310	3		Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3		BA ENG Literature	3
HIST 1320 (American History Component Code 060)	3		Social & Behavioral Sciences Component Code 080	3
	15			15

				Junior
First Semester	Hours		Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		FR Advanced Electives	9
Minor	3		Minor	6
BA Computer Science, Logic, Mathematics or science	3			
FR Advanced Electives	6			
	15			15

				Senior
First Semester	Hours		Second Semester	Hours
FR Advanced Electives	6		FR Advanced Elective	3
Minor	9		Free Electives as needed	15
	15			18

Total Hours: 120

Bachelor of Arts (B.A.) Major in French (Teacher Certification in French, Early Childhood Through Grade 12)

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.

3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. Students in the Bachelor of Arts (B.A.) degree with a major in French must complete 24 advanced hours in French and maintain a GPA of at least a 2.50 in all advanced French course work to meet graduation requirements.
7. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
8. In addition to the major and minor requirements, students must also complete 21 hours of professional sequence courses under the College of Education. Students must maintain a 2.5 GPA in the teaching field. All coursework must be completed prior to EDST 4380 and EDST 4381.
9. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

				Freshman
First Semester	Hours		Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3		HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3		ENG 1320 (Communication Component Code 010)	3
US 1100	1		Minor	3
POSI 2310 (Government/ Political Science Component Code 070)	3		Mathematics Component Code 020	3
FR 1410	4		FR 1420	4
	14			16

				Sophomore
First Semester	Hours		Second Semester	Hours
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3		POSI 2320 (Government/ Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3		FR 2320	3
Minor	3		Life & Physical Sciences Component Code 030	3
FR 2310	3		BA ENG Literature	3
Life & Physical Sciences Component Code 030	3		Social & Behavioral Sciences Component Code 080	3
HIST 1320 (American History Component Code 060)	3			
	18			15

				Junior
First Semester	Hours		Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	CI 4332		3
BA Computer Science, Logic, Mathematics or science	3	CI 3325		3
FR Advanced Electives	9	FR Advanced Electives		9
Minor	3	Minor		3
	18			18

				Senior
First Semester	Hours		Second Semester	Hours
LING 4307	3	EDST 4380		3
CI 4370	3	EDST 4381		3
CI 4343	3			
RDG 3323	3			
FR Advanced Electives	6			
	18			6

Total Hours: 123

Bachelor of Arts (B.A.) Major in German

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. Students in the Bachelor of Arts (B.A.) degree with a major in German must complete 24 advanced hours in German and maintain a GPA of at least a 2.50 in all advanced German course work to meet graduation requirements.
7. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete

depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

Course Requirements

First Semester	Hours	Second Semester	Hours
		Freshman	
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
US 1100	1	GER 1420	4
POSI 2310 (Government/ Political Science Component Code 070)	3	Mathematics Component Code 020	3
GER 1410	4		
	14		13
		Sophomore	
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3	GER 2320	3
GER 2310	3	Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3	BA ENG Literature	3
HIST 1320 (American History Component Code 060)	3	Social & Behavioral Sciences Component Code 080	3
	15		15
		Junior	
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	GER Advanced Electives	9
Minor	3	Minor	6
BA Computer Science, Logic, Mathematics or science	3		
GER Advanced Electives	6		
	15		15
		Senior	
GER Advanced Electives	6	GER Advanced Elective	3
Minor	9	Electives as needed	15
	15		18

Total Hours: 120

Bachelor of Arts (B.A.) Major in German (Teacher Certification in German, Early Childhood Through Grade 12)

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/ computer science courses, six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. Students in the Bachelor of Arts (B.A.) degree with a major in German must complete 24 advanced hours in German and maintain a GPA of at least a 2.50 in all advanced German course work to meet graduation requirements.
7. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
8. In addition to the major and minor requirements, students must also complete 21 hours of professional sequence courses under the College of Education. Students must maintain a 2.5 GPA in the teaching field. All coursework must be completed prior to EDST 4380 and EDST 4381.
9. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

First Semester	Hours	Second Semester	Hours
		Freshman	
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
US 1100	1	Minor	3

POSI 2310 (Government/ Political Science Component Code 070)	3	Mathematics Component Code 020	3
GER 1410	4	GER 1420	4
	14		16

Sophomore

First Semester	Hours	Second Semester	Hours
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3	GER 2320	3
Minor	3	Life & Physical Sciences Component Code 030	3
GER 2310	3	BA ENG Literature	3
Life & Physical Sciences Component Code 030	3	Social & Behavioral Sciences Component Code 080	3
HIST 1320 (American History Component Code 060)	3		
	18		15

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	CI 4332	3
BA Computer Science, Logic, Mathematics or science	3	CI 3325	3
GER Advanced Electives	9	GER Advanced Electives	9
Minor	3	Minor	3
	18		18

Senior

First Semester	Hours	Second Semester	Hours
LING 4307	3	EDST 4380	3
CI 4370	3	EDST 4381	3
CI 4343	3		
RDG 3323	3		
GER Advanced Electives	6		
	18		6

Total Hours: 123

Bachelor of Arts (B.A.) Major in Spanish

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/ computer science courses, six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
7. Students in the Bachelor of Arts (B.A.) degree with a major in Spanish must complete 24 advanced hours in Spanish and maintain a GPA of at least 2.50 in all advanced Spanish course work to meet graduation requirements. Students should complete the following advanced Spanish courses:

Code	Title	Hours
SPAN 3308	Advanced Composition [1]	3
SPAN 3309	Introduction to Hispanic Literature and Literary Analysis [2]	3
SPAN 3340	Advanced Spanish Grammar and Stylistics	3
Select three of the following:		9
SPAN 3301	Literatures of Spain I	
SPAN 3302	Literatures of Spain II	
SPAN 3305	Latin American Literatures I	
SPAN 3306	Latin American Literatures II	
SPAN 3310	Spanish Phonetics and Phonemics	
SPAN 3311	Business Spanish I	
SPAN 3312	Business Spanish II	
SPAN 3370	Spanish Civilization	
SPAN 3371	Latin American Civilization	
Select two of the following:		6
SPAN 4302	The Spanish Novel	
SPAN 4311	Historical Aspects of Hispanic Linguistics	
SPAN 4312	Contemporary Aspects of Hispanic Linguistics	
SPAN 4330	The Latin American Novel	
SPAN 4341	Gabriel Garcia Marquez	
SPAN 4350	Hispanic Film	
SPAN 4361	Hispanic Poetry	
SPAN 4362	Hispanic Drama	
SPAN 4370	Hispanic Literature of the Southwest	
SPAN 4380A	Hispanic Nobel Prizes in Literature	
SPAN 4380E	Translation Practice and Theory	
SPAN 4380F	Mexican Literature	
SPAN 4380G	Women, Minorities and Marginal Groups in Medieval Spanish Literature	
SPAN 4380H	Nature and Nation in Latin American Literature	
Total Hours		24

[1] Prerequisite to all other upper division courses, may be taken simultaneously with SPAN 3309.

[2] Prerequisite to all other upper division courses in literature, may be taken simultaneously with SPAN 3308.

Course Requirements

			Freshman
First Semester	**Hours**	**Second Semester**	**Hours**
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
US 1100	1	SPAN 1420	4
POSI 2310 (Government/ Political Science Component Code 070)	3	Mathematics Component Code 020	3
SPAN 1410	4		
	14		13
			Sophomore
First Semester	**Hours**	**Second Semester**	**Hours**
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3	SPAN 2320	3
SPAN 2310	3	Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3	BA ENG Literature	3
HIST 1320 (American History Component Code 060)	3	Social & Behavioral Sciences Component Code 080	3
	15		15
			Junior
First Semester	**Hours**	**Second Semester**	**Hours**
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	SPAN Advanced Electives	9
Minor	3	Minor	6
BA Computer Science, Logic, Mathematics or science	3		
SPAN Advanced Electives	6		
	15		15
			Senior
First Semester	**Hours**	**Second Semester**	**Hours**
SPAN Advanced Electives	6	SPAN Advanced Elective	3
Minor	9	Electives as needed	15
	15		18

Total Hours: 120

Bachelor of Arts (B.A.) Major in Spanish (Hispanic Literature and Culture Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/ computer science courses, six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required.
4. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Students must complete a minimum of 36 advanced hours (3000 or 40000 level courses).
6. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
7. Students in the Bachelor of Arts (B.A.) degree with a major in Spanish must complete 24 advanced hours in Spanish and maintain a GPA of at least 2.50 in all advanced Spanish course work to meet graduation requirements. Students must complete the following SPAN required courses: SPAN 3308, SPAN 3309, SPAN 3340.
8. Three hours must be chosen from the following SPAN Advanced Electives: SPAN 3301, SPAN 3302, SPAN 3305, SPAN 3306.
9. Three hours must be chosen from the following SPAN Advanced Electives: SPAN 3370 or SPAN 3371.
10. Six hours must be chosen from the following SPAN Advanced Electives: SPAN 4302, SPAN 4330, SPAN 4341, SPAN 4342, SPAN 4350, SPAN 4361, SPAN 4362, SPAN 4370, SPAN 4380A, SPAN 4380F, SPAN 4380G, SPAN 4380H.
11. Three hours must be chosen from the following SPAN Advanced Electives: SPAN 3301, SPAN 3302, SPAN 3305, SPAN 3306, SPAN 3310, SPAN 3311, SPAN 3312, SPAN 3370, SPAN 3371, SPAN 4300, SPAN 4302, SPAN 4311, SPAN 4312, SPAN 4330, SPAN 4341, SPAN 4342, SPAN 4350, SPAN 4361, SPAN 4362, SPAN 4370, SPAN 4380, SPAN 4380A, SPAN 4380E, SPAN 4380F, SPAN 4380G, SPAN 4380H, SPAN 4380I, SPAN 4390.

Course Requirements

			Freshman
First Semester	**Hours**	**Second Semester**	**Hours**
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1310 (American History Component Code 060)	3

ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
US 1100	1	SPAN 1420	4
POSI 2310 (Government/ Political Science Component Code 070)	3	Mathematics Component Code 020	3
SPAN 1410	4		
	14		13

Sophomore

First Semester	Hours	Second Semester	Hours
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3	SPAN 2320	3
SPAN 2310	3	Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3	BA ENG Literature	3
HIST 1320 (American History Component Code 060)	3	Social & Behavioral Sciences Component Code 080	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	SPAN 3340	3
SPAN 3308	3	SPAN Advanced Electives	6
SPAN 3309	3	Minor	6
Minor	3		
BA Computer Science, Logic, Mathematics	3		
	15		15

Senior

First Semester	Hours	Second Semester	Hours
SPAN Advanced Electives	6	SPAN Advanced Elective	3
Minor	9	Electives	15
	15		18

Total Hours: 120

SPAN Advanced Electives

Group A: Hispanic Literature and Culture

Code	Title	Hours
SPAN 3301	Literatures of Spain I	3
SPAN 3302	Literatures of Spain II	3
SPAN 3305	Latin American Literatures I	3
SPAN 3306	Latin American Literatures II	3
SPAN 3370	Spanish Civilization	3
SPAN 3371	Latin American Civilization	3
SPAN 4302	The Spanish Novel	3
SPAN 4330	The Latin American Novel	3
SPAN 4341	Gabriel Garcia Marquez	3
SPAN 4342	Don Quijote	3
SPAN 4350	Hispanic Film	3
SPAN 4361	Hispanic Poetry	3
SPAN 4362	Hispanic Drama	3
SPAN 4370	Hispanic Literature of the Southwest	3
SPAN 4380	Special Topics in Hispanic Literature and Linguistics	3
SPAN 4380A	Hispanic Nobel Prizes in Literature	3
SPAN 4380F	Mexican Literature	3
SPAN 4380G	Women, Minorities and Marginal Groups in Medieval Spanish Literature	3
SPAN 4380H	Nature and Nation in Latin American Literature	3
SPAN 4390	Studies in Spanish Culture, Language, or Literature	3

Group B: Spanish Linguistics

Code	Title	Hours
SPAN 3310	Spanish Phonetics and Phonemics	3
SPAN 4311	Historical Aspects of Hispanic Linguistics	3
SPAN 4312	Contemporary Aspects of Hispanic Linguistics	3
SPAN 4380	Special Topics in Hispanic Literature and Linguistics	3

Group C: Spanish for the Professions

Code	Title	Hours
SPAN 3311	Business Spanish I	3
SPAN 3312	Business Spanish II	3
SPAN 4300	Professional Internship in Spanish	3
SPAN 4380	Special Topics in Hispanic Literature and Linguistics	3
SPAN 4380E	Translation Practice and Theory	3
SPAN 4380I	Spanish and Media	3
SPAN 4390	Studies in Spanish Culture, Language, or Literature	3
SPAN 4600	Professional Internship in Spanish (No more than 6 hours of Internship may be counted toward the Spanish major or minor)	6

Bachelor of Arts (B.A.) Major in Spanish (Spanish for the Professions Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/ computer science courses, six hours of 2000-level modern language courses and a minor.

3. Nine hours of writing intensive (WI) courses are required.
4. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Students must complete a minimum of 36 advanced hours (3000 or 40000 level courses).
6. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
7. Students in the Bachelor of Arts (B.A.) degree with a major in Spanish must complete 24 advanced hours in Spanish and maintain a GPA of at least 2.50 in all advanced Spanish course work to meet graduation requirements. Students must complete the following SPAN required courses: SPAN 3308, SPAN 3309, SPAN 3340.
8. Nine hours must be chosen from the following SPAN Advanced Electives: SPAN 3311, SPAN 3312, SPAN 4380E, SPAN 4380I, SPAN 4300, SPAN 4600. No more than six hours of internship (SPAN 4300 and SPAN 4600) may be applied to the degree.
9. Three hours must be chosen from the following SPAN Advanced Electives: SPAN 4302, SPAN 4330, SPAN 4341, SPAN 4342, SPAN 4350, SPAN 4361, SPAN 4362, SPAN 4370, SPAN 4380A, SPAN 4380F, SPAN 4380G, SPAN 4380H.
10. Three hours must be chosen from the following SPAN Advanced Electives: SPAN 3301, SPAN 3302, SPAN 3305, SPAN 3306, SPAN 3310, SPAN 3311, SPAN 3312, SPAN 3370, SPAN 3371, SPAN 4300, SPAN 4302, SPAN 4311, SPAN 4312, SPAN 4330, SPAN 4341, SPAN 4342, SPAN 4350, SPAN 4361, SPAN 4362, SPAN 4370, SPAN 4380, SPAN 4380A, SPAN 4380E, SPAN 4380F, SPAN 4380G, SPAN 4380H, SPAN 4380I, SPAN 4390.

Course Requirements

				Freshman
First Semester	**Hours**		**Second Semester**	**Hours**
COMM 1310	3		HIST 1310 (American History Component Code 060)	3
ENG 1310	3		ENG 1320 (Communication Component Code 010)	3
US 1100	1		SPAN 1420	4
POSI 2310	3		Mathematics Component Code 020	3
SPAN 1410	4			
	14			13
				Sophomore
First Semester	**Hours**		**Second Semester**	**Hours**
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3		POSI 2320 (Government/ Polilitical Science Component Code 070)	3
ENG LIterature (Component Area Option Code 090/094)	3		SPAN 2320	3
SPAN 2310	3		Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3		BA ENG Literature	3
HIST 1320 (American History Component Code 060)	3		Social & Behavioral Sciences Component Code 080	3
	15			15
				Junior
First Semester	**Hours**		**Second Semester**	**Hours**
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		SPAN 3340	3
SPAN 3308	3		SPAN Advanced Electives	6
SPAN 3309	3		Minor	6
Minor	3			
BA Computer Science, Logic, Mathematics	3			
	15			15
				Senior
First Semester	**Hours**		**Second Semester**	**Hours**
SPAN Advanced Electives	6		SPAN Advanced Electives	3
Minor	9		Electives	15
	15			18

Total Hours: 120

SPAN Advanced Electives

Group A: Hispanic Literature and Culture

Code	Title	Hours
SPAN 3301	Literatures of Spain I	3
SPAN 3302	Literatures of Spain II	3
SPAN 3305	Latin American Literatures I	3
SPAN 3306	Latin American Literatures II	3
SPAN 3370	Spanish Civilization	3
SPAN 3371	Latin American Civilization	3
SPAN 4302	The Spanish Novel	3
SPAN 4330	The Latin American Novel	3
SPAN 4341	Gabriel Garcia Marquez	3
SPAN 4342	Don Quijote	3
SPAN 4350	Hispanic Film	3
SPAN 4361	Hispanic Poetry	3
SPAN 4362	Hispanic Drama	3
SPAN 4370	Hispanic Literature of the Southwest	3
SPAN 4380	Special Topics in Hispanic Literature and Linguistics	3
SPAN 4380A	Hispanic Nobel Prizes in Literature	3
SPAN 4380F	Mexican Literature	3
SPAN 4380G	Women, Minorities and Marginal Groups in Medieval Spanish Literature	3
SPAN 4380H	Nature and Nation in Latin American Literature	3
SPAN 4390	Studies in Spanish Culture, Language, or Literature	3

Group B: Spanish Linguistics

Code	Title	Hours
SPAN 3310	Spanish Phonetics and Phonemics	3
SPAN 4311	Historical Aspects of Hispanic Linguistics	3
SPAN 4312	Contemporary Aspects of Hispanic Linguistics	3

SPAN 4380	Special Topics in Hispanic Literature and Linguistics	3

Group C: Spanish for the Professions

Code	Title	Hours
SPAN 3311	Business Spanish I	3
SPAN 3312	Business Spanish II	3
SPAN 4300	Professional Internship in Spanish	3
SPAN 4380	Special Topics in Hispanic Literature and Linguistics	3
SPAN 4380E	Translation Practice and Theory	3
SPAN 4380I	Spanish and Media	3
SPAN 4390	Studies in Spanish Culture, Language, or Literature	3
SPAN 4600	Professional Internship in Spanish (No more than 6 hours of Internship may be counted toward the Spanish major or minor)	6

Bachelor of Arts (B.A.) Major in Spanish (Spanish Linguistics Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required.
4. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Students must complete a minimum of 36 advanced hours (3000 or 40000 level courses).
6. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
7. Students in the Bachelor of Arts (B.A.) degree with a major in Spanish must complete 24 advanced hours in Spanish and maintain a GPA of at least 2.50 in all advanced Spanish course work to meet graduation requirements. Students must complete the following SPAN required courses: SPAN 3308, SPAN 3309, SPAN 3340.
8. Nine hours must be chosen from the following SPAN Advanced Electives: SPAN 3310,SPAN 4311, SPAN 4312, SPAN 4380E.
9. Three hours must be chosen from the following SPAN Advanced Electives: SPAN 4302, SPAN 4330, SPAN 4341, SPAN 4342, SPAN 4350, SPAN 4361, SPAN 4362, SPAN 4370, SPAN 4380A, SPAN 4380F, SPAN 4380G, SPAN 4380H.
10. Three hours must be chosen from the following SPAN Advanced Electives: SPAN 3301, SPAN 3302, SPAN 3305, SPAN 3306, SPAN 3310, SPAN 3311, SPAN 3312, SPAN 3370, SPAN 3371, SPAN 4300, SPAN 4302, SPAN 4311, SPAN 4312, SPAN 4330, SPAN 4341, SPAN 4342, SPAN 4350, SPAN 4361, SPAN 4362, SPAN 4370, SPAN 4380, SPAN 4380A, SPAN 4380E, SPAN 4380F, SPAN 4380G, SPAN 4380H, SPAN 4380I, SPAN 4390.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1310 (American History Component Code 060)	3
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
US 1100	1	SPAN 1420	4
POSI 2310 (Government/ Political Science Component Code 070)	3	Mathematics Component Code 020	3
SPAN 1410	4		
	14		13

Sophomore

First Semester	Hours	Second Semester	Hours
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3	SPAN 2320	3
SPAN 2310	3	Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3	BA ENG Literature	3
HIST 1320 (American History Component Code 060)	3	Social & Behavioral Sciences Component Code 080	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	SPAN 3340	3
SPAN 3308	3	SPAN Advanced Electives	6
SPAN 3309	3	Minor	6
Minor	3		
BA Computer Science, Logic, Mathematics	3		
	15		15

Senior

First Semester	Hours	Second Semester	Hours
SPAN Advanced Electives	6	SPAN Advanced Electives	3
Minor	9	Electives	15
	15		18

Total Hours: 120

SPAN Advanced Electives

Group A: Hispanic Literature and Culture

Code	Title	Hours
SPAN 3301	Literatures of Spain I	3
SPAN 3302	Literatures of Spain II	3
SPAN 3305	Latin American Literatures I	3
SPAN 3306	Latin American Literatures II	3
SPAN 3370	Spanish Civilization	3
SPAN 3371	Latin American Civilization	3
SPAN 4302	The Spanish Novel	3
SPAN 4330	The Latin American Novel	3
SPAN 4341	Gabriel Garcia Marquez	3
SPAN 4342	Don Quijote	3
SPAN 4350	Hispanic Film	3
SPAN 4361	Hispanic Poetry	3
SPAN 4362	Hispanic Drama	3
SPAN 4370	Hispanic Literature of the Southwest	3
SPAN 4380	Special Topics in Hispanic Literature and Linguistics	3
SPAN 4380A	Hispanic Nobel Prizes in Literature	3
SPAN 4380F	Mexican Literature	3
SPAN 4380G	Women, Minorities and Marginal Groups in Medieval Spanish Literature	3
SPAN 4380H	Nature and Nation in Latin American Literature	3
SPAN 4390	Studies in Spanish Culture, Language, or Literature	3

Group B: Spanish Linguistics

Code	Title	Hours
SPAN 3310	Spanish Phonetics and Phonemics	3
SPAN 4311	Historical Aspects of Hispanic Linguistics	3
SPAN 4312	Contemporary Aspects of Hispanic Linguistics	3
SPAN 4380	Special Topics in Hispanic Literature and Linguistics	3

Group C: Spanish for the Professions

Code	Title	Hours
SPAN 3311	Business Spanish I	3
SPAN 3312	Business Spanish II	3
SPAN 4300	Professional Internship in Spanish	3
SPAN 4380	Special Topics in Hispanic Literature and Linguistics	3
SPAN 4380E	Translation Practice and Theory	3
SPAN 4380I	Spanish and Media	3
SPAN 4390	Studies in Spanish Culture, Language, or Literature	3
SPAN 4600	Professional Internship in Spanish (No more than 6 hours of Internship may be counted toward the Spanish major or minor)	6

Bachelor of Arts (B.A.) Major in Spanish (Teacher Certification in Spanish, Early Childhood Through Grade 12)

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, six hours of 2000-level modern language courses and a minor.
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.
7. In addition to the major and minor requirements, students must also complete 21 hours of professional sequence courses under the College of Education. Students must maintain a 2.5 GPA in the teaching field. All coursework must be completed prior to EDST 4380 and EDST 4381.
8. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
9. Students in the Bachelor of Arts (B.A.) degree with a major in Spanish must complete 24 advanced hours in Spanish and maintain a GPA of at least a 2.50 in all advanced Spanish course work to meet graduation requirements. Students should complete the following advanced Spanish courses:

Code	Title	Hours
SPAN 3308	Advanced Composition [1]	3
SPAN 3309	Introduction to Hispanic Literature and Literary Analysis [2]	3
SPAN 3340	Advanced Spanish Grammar and Stylistics	3
Select three of the following:		9
SPAN 3301	Literatures of Spain I	
SPAN 3302	Literatures of Spain II	
SPAN 3305	Latin American Literatures I	

SPAN 3306	Latin American Literatures II	
SPAN 3370	Spanish Civilization	
SPAN 3371	Latin American Civilization	
Select two of the following:		6
SPAN 4302	The Spanish Novel	
SPAN 4330	The Latin American Novel	
SPAN 4341	Gabriel Garcia Marquez	
SPAN 4350	Hispanic Film	
SPAN 4361	Hispanic Poetry	
SPAN 4362	Hispanic Drama	
SPAN 4370	Hispanic Literature of the Southwest	
SPAN 4380A	Hispanic Nobel Prizes in Literature	
SPAN 4380E	Translation Practice and Theory	
SPAN 4380F	Mexican Literature	
SPAN 4380G	Women, Minorities and Marginal Groups in Medieval Spanish Literature	
SPAN 4380H	Nature and Nation in Latin American Literature	
Total Hours		24

1 Prerequisite to all other upper division courses, may be taken simultaneously with SPAN 3309.

2 Prerequisite to all other upper division courses in literature, may be taken simultaneously with SPAN 3308.

Course Requirements

				Freshman	
First Semester	**Hours**		**Second Semester**	**Hours**	
COMM 1310 (Component Area Option Code 090/091)	3		HIST 1310 (American History Component Code 060)	3	
ENG 1310 (Communication Component Code 010)	3		ENG 1320 (Communication Component Code 010)	3	
US 1100	1		Minor	3	
POSI 2310 (Government/ Political Science Component Code 070)	3		Mathematics Component Code 020	3	
SPAN 1410	4		SPAN 1420	4	
	14			16	
				Sophomore	
First Semester	**Hours**		**Second Semester**	**Hours**	
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3		POSI 2320 (Government/ Political Science Component Code 070)	3	
ENG Literature (Component Area Option Code 090/094)	3		SPAN 2320	3	
Minor	3		Life & Physical Sciences Component Code 030	3	
SPAN 2310	3		BA ENG Literature	3	
Life & Physical Sciences Component Code 030	3		Social & Behavioral Sciences Component Code 080	3	
HIST 1320 (American History Component Code 060)	3				
	18			15	
				Junior	
First Semester	**Hours**		**Second Semester**	**Hours**	
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		CI 4332	3	
BA Computer Science, Logic, Mathematics or science	3		CI 3325	3	
SPAN Advanced Electives	9		SPAN Advanced Electives	9	
Minor	3		Minor	3	
	18			18	
				Senior	
First Semester	**Hours**		**Second Semester**	**Hours**	
LING 4307	3		EDST 4380	3	
CI 4370	3		EDST 4381	3	
CI 4343	3				
RDG 3323	3				
SPAN Advanced Electives	6				
	18			6	

Total Hours: 123

Minor in French

The minor in French requires 29 semester credit hours. The first two years of beginning and intermediate level courses serve as prerequisites to all upper division courses. These prerequisites include FR 1410, FR 1420, FR 2310, and FR 2320.

Code	Title	Hours
Required Courses		
FR 1410	Beginning French I [1]	4
FR 1420	Beginning French II [1]	4
FR 2310	Intermediate French I [1]	3
FR 2320	Intermediate French II [1]	3
Choose 15 hours of advanced courses in French		15
Total Hours		29

1 Many students successfully satisfy these prerequisites by passing a credit-bearing test (e.g. CLEP). Please contact the Department Chair for more information.

Minor in German

The minor in German requires 29 semester credit hours, including 15 upper division hours in the language. The first two years of beginning and intermediate level course work serve as prerequisites to all upper division courses. These prerequisites include GER 1410, GER 1420, GER 2310, and GER 2320.

Code	Title	Hours
GER 1410	Beginning German I [1]	4
GER 1420	Beginning German II [1]	4
GER 2310	Intermediate German I [1]	3

GER 2320	Intermediate German II [1]	3
Advanced hours in German		15
Total Hours		29

[1] Many students successfully satisfy these prerequisites by passing a credit-bearing test (e.g. CLEP). Please contact the Department Chair for more information.

Minor in Japanese

The minor in Japanese requires 26 semester credit hours, including 12 upper division hours in the language. The first two years of beginning and intermediate level course work serve as prerequisites to all upper division courses. These prerequisites include JAPA 1410, JAPA 1420, JAPA 2310, and JAPA 2320.

Code	Title	Hours
Required Courses		
JAPA 1410	Beginning Japanese I [1]	4
JAPA 1420	Beginning Japanese II [1]	4
JAPA 2310	Intermediate Japanese I [1]	3
JAPA 2320	Intermediate Japanese II [1]	3
Choose 12 hours of advanced hours in Japanese		12
Total Hours		26

[1] Many students successfully satisfy these prerequisites by passing a credit-bearing test (e.g. CLEP). Please contact the Department Chair for more information.

Minor in Spanish

The minor in Spanish requires 29 semester credit hours, including 15 upper division hours in the language. The first two years of beginning and intermediate level courses serve as prerequisites to all upper division courses. These courses are SPAN 1410, SPAN 1420, SPAN 2310, and SPAN 2320. In addition, SPAN 3308 is a prerequisite to all other upper division courses, and SPAN 3309 is a prerequisite to all other upper division literature courses.

Code	Title	Hours
Required Courses		
SPAN 1410	Beginning Spanish I [1]	4
SPAN 1420	Beginning Spanish II [1]	4
SPAN 2310	Intermediate Spanish I [1]	3
SPAN 2320	Intermediate Spanish II [1]	3
Choose 15 hours of advanced hours in Spanish		15
Total Hours		29

[1] Many students successfully satisfy these prerequisites by passing a credit-bearing test (e.g. CLEP). Please contact the Department Chair for more information.

College of Science and Engineering

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Associate Dean
Chad Booth, Ph.D.
Associate Dean
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Assistant Dean
Gregory B. Passty, Ph.D.

Department Chairs/School Directors
Biology–Dittmar Hahn, Ph.D.
Chemistry and Biochemistry–William J. Brittain, Ph.D.
Computer Science–Hongchi Shi, Ph.D.
Engineering–Chad Booth, Ph.D., Interim
Engineering Technology–James Wilde, Ph.D.
Mathematics–Susan Morey, Ph.D.
Physics–Mark W. Holtz, Ph.D.

The College of Science and Engineering has a triple mission:

Preparing students for careers in science, technology, engineering, mathematics (STEM) and STEM education and imparting core knowledge in science and mathematics to all students.

Providing an environment in which faculty can develop and sustain nationally prominent research programs.

Serving the citizens of Texas and the nation with educational and research programs that facilitate innovation and economic development.

To ensure an understanding of basic scientific and engineering concepts, the College offers extensive opportunities for student participation. Students gain experience in laboratories, interact with the environment through field studies, conduct undergraduate research, participate in design experiences and train using technologically advanced instrumentation. A combination of student participation, rigorous classroom instruction, and "hands on" experiences gives majors a competitive advantage in career advancement or in the selection of professional or graduate programs. The non-science major is assured of adequate scientific knowledge to make informed decisions essential to citizens in a science-oriented, technological world.

The seven academic units in the College of Science and Engineering are the Departments of Biology, Chemistry and Biochemistry, Computer Science, Mathematics, Physics, Engineering Technology, and the Ingram School of Engineering.

Majors offered in the College include applied mathematics, aquatic biology, biochemistry, biology, chemistry, computer science, concrete industry management, construction science and management, electrical engineering, engineering technology, industrial engineering, interdisciplinary science, manufacturing engineering, mathematics, microbiology, physics, and wildlife biology. In addition, pre-professional concentrations are available for students interested in pursuing a career in physician assistant, dentistry, medicine, and pharmacy programs. Secondary teacher certification may be incorporated into some of the majors.

Academic Advising Center

Centennial Hall Room 202
T: 512-245-1315 F: 512-245-9210

www.cose.txstate.edu/advising (http://www.cose.txstate.edu/advising)

The College of Science and Engineering Undergraduate Academic Advising Center advises current students on academic and administrative issues. Students are informed about matters related to academic general education core requirements, scholarships and awards within the College, the selection of an appropriate major and minor, the selection of appropriate courses, transfer and correspondence courses, academic probation/suspension, the choice of an educational program leading to a bachelor's degree, and participation in pre-professional concentrations. The Advising Center is a resource for current students who are considering a science or engineering major or pre-professional concentration and provides assistance for students applying for graduation. Career and professional counseling is available in the academic unit of the student's major and through Career Services.

Teacher Certification

Currently, there are sixTexas science- and math-related teacher certification programs available at Texas State University:

- Chemistry (B.S. major in Chemistry),
- Life Sciences (B.S. major in Biology),
- Mathematics (B.S. major in Mathematics),
- Physical Science (B.S. major in Chemistry or a B.S. major in Physics),
- Physics/Mathematics (B.S. major in Physics),
- Science (B.S. major in Interdisciplinary Science), and

Students seeking any of these certifications need to follow coursework leading to a degree in the appropriate science field, in addition to taking the required certification courses. Relevant information can be found within each departmental section of the catalog. Initial or additional certification may also be acquired as a post-baccalaureate or graduate student.

Students interested in certification are strongly encouraged to see the Science and Engineering Advisor early in their undergraduate program or certification process.

The Bachelor of Science (B.S.) major in Interdisciplinary Science is designed to broadly train students in a wide spectrum of science disciplines in preparation for the Science teacher certification exam for grades 7 through 12. Admission into the program requires both admission to the university and to the Educator Preparation Program. The Educator Preparation Program admittance requirements are found in the College of Education section of this catalog. Students successfully completing the program and the Science teacher certification exam will be prepared to teach any high school science subject and in informal science educational settings within communities. There is a high job market need for science teachers nationally and in Texas. Students must enroll and complete all of the required courses in the following degree plan in order to sit for the teacher certification exam.

Bachelor of Science (B.S.)

- Major in Interdisciplinary Studies (Teacher Certification in Science, Grades 7-12) (p. 588)

Minors

- Second Teaching Field in Physical Science (Grades 6-12) (p. 589)

Bachelor of Science (B.S.) Major in Interdisciplinary Science (Teacher Certification in Science, Grades 7-12)

Minimum required: 132 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. A minor in Secondary Education is required.
3. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA, a major GPA of at least 2.50 with no grades less than a "C" in all major courses, a GPA of at least 2.50 in all assigned courses in the professional sequence with no grades below a "C", and a Secondary Education minor GPA of at least 2.50 with no grades less than a "C" in all minor courses.
4. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine semester credit hours must be writing intensive (WI).
6. In addition to the major, minor and general education core curriculum requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to EDST 4681.
7. All students seeking teacher certification must apply for and be admitted to the Educator Preparation Program in order to enroll in education coursework and student teaching in the Junior and Senior years. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236).
8. If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
9. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

First Semester	Hours	Second Semester	Hours	Summer	Hours
Freshman					
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331 (Life & Physical Sciences Component Code 030)	3	BIO 2450	4
BIO 1130	1	BIO 1131	1		
CHEM 1341 & CHEM 1141	4	CHEM 1342 & CHEM 1142	4		
MATH 2471 (Mathematics Component Code 020)	4	PHYS 1430	4		
		MATH 2472	4		
	12		16		4
Sophomore					
PHYS 2425	4	PHYS 2435	4	Summer I:	
CHEM 2330 & CHEM 213	4	BIO 2410 or 2411	4	ENG 1310 (Communica Component Code 010)	3
COMM 1310 (Component Area Option Code 090/091)	3	CHEM 3410	4	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Governmen Political Science Component Code 070)	3	ENG Literature (Component Area Option Code 090/094)	3	Summer II:	
				ENG 1320 (Communication Component Code 010)	3
				HIST 1320 (American History Component Code 060)	3
	14		15		12
Junior					
BIO 4402	4	BIO 4403	4	Summer I:	
PHYS 3312	3	BIO 4301	3	POSI 2320 (Governmen Political Science Component Code 070)	3
CI 3325	3	BIO 4416 or 4454	4	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Social & Behavioral Sciences Component Code 080	3	CI 4332	3	Summer II:	
PHYS 3210	2			ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	15		14		9
Senior					
CHEM 4295	2	EDST 4681	6		
BIO 4408[1]	4				
CI 4370	3				
CI 4343	3				
RDG 3323	3				
	15		6		

Total Hours: 132

[1] BIO 4408 must be taken in the semester just prior to student teaching EDST 4681.

Second Teaching Field in Physical Science (Grades 6-12)

For students who are seeking a teacher certification within their major and would like a second teaching field in Physical Science, the requirements are:

Code	Title	Hours
CHEM 1341 & CHEM 1141	General Chemistry I and General Chemistry Laboratory I	4
CHEM 1342 & CHEM 1142	General Chemistry II and General Chemistry Laboratory II	4
CHEM 2341 & CHEM 2141	Organic Chemistry I and Organic Chemistry Laboratory I	4
CHEM 2342 & CHEM 2142	Organic Chemistry II and Organic Chemistry Laboratory II	4
CHEM 3410	Quantitative Analysis	4

CHEM 4295	Laboratory Development and Practice	2
Advanced CHEM		3
PHYS 1430	Mechanics	4
PHYS 2425	Electricity and Magnetism	4
PHYS 2435	Waves and Heat	4
PHYS 3312	Modern Physics	3
Advanced PHYS		6
Total Hours		46

All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Department of Biology

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Biology is the study of living systems and how they function. Because the biological sciences have had and continue to have profound impact on questions of concern to human society - longevity, environmental quality, biotechnology - knowledge of the biological sciences is an important aspect of higher education. The mission of the Department of Biology is to advance the life sciences through research and to educate and prepare the next generations of scientists, educators, professionals, and scientifically literate citizens. Students select one of four majors (i.e. Aquatic Biology, Biology, Microbiology, and Wildlife Biology) and have the option of selecting a concentration (i.e. Teacher Certification in Life Sciences, Pre-Dental, Pre-Medical, and Pre-Physician Assistant). Interested students should contact the College of Science and Engineering advising center for more information.

Biology majors take a minimum of eleven courses that include the core curriculum of Functional Biology, Organismal Biology, Genetics, a biological diversity course, a physiology course, Ecology, and Evolution. Additional required courses in chemistry, mathematics, and physics provide the broad scientific background that is foundational to biological sciences. At the sophomore level and above, a variety of courses in cellular and organismal biology assure a student can attain a broad education in the biological sciences as well as a level of specialization in its subdisciplines. A minor outside the Biology Department is required for all areas of study except for the Wildlife Biology program. The B.S. major in Biology or in Microbiology is often the choice for those seeking pre-medical and pre-dental education as the courses required for graduation fulfill all the prerequisites required for admission to medical or dental school.

Teacher Certification

Students may earn the Life Science (Texas Grades 7-12) certification through a B.S. major in Biology. Initial or additional certification may also be acquired as a post-baccalaureate or graduate student. Students interested in certification are strongly encouraged to see the Science and Engineering Advisor early in their undergraduate program or certification process.

Bachelor of Science (B.S.)

- Major in Aquatic Biology (p. 601)
- Major in Biology (p. 602)
- Major in Biology (Pre-Dental Concentration) (p. 603)
- Major in Biology (Pre-Medical Concentration) (p. 604)
- Major in Biology (Pre-Physician Assistant Concentration) (p. 606)
- Major in Biology (Teacher Certification in Life Sciences, Grades 7-12) (p. 607)
- Major in Microbiology (p. 609)
- Major in Microbiology (Pre-Dental Concentration) (p. 610)
- Major in Microbiology (Pre-Medical Concentration) (p. 611)
- Major in Microbiology (Pre-Physician Assistant Concentration) (p. 612)
- Major in Wildlife Biology (p. 614)

Minors

- Biology (p. 615)
- Second Teaching Field in Life Sciences (7-12)

Subjects in this department include: BIO (p. 590), GS (p. 601)

Courses in Biology (BIO)

BIO 1130. Functional Biology Laboratory.
Fundamental techniques and instruments used in cellular biological research will be taught while emphasizing safety, measurements, and scientific methods. Students will design and implement controlled experiments, identify independent and dependent variables, analyze data, draw conclusions, and communicate results with appropriate tables and graphs in oral presentations and written papers.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BIOL 1106
Course Fee: $5; Fee - Lab BIO

BIO 1131. Organismal Biology Laboratory.
This course introduces the students to the basics of experimental design, scientific method and inquiry, use of statistical analyses and writing research papers. Topics covered include Mendelian and population genetics, natural selection, population ecology, phylogeny, and behavioral ecology.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BIOL 1107
Course Fee: $5; Fee - Lab BIO

BIO 1320. Modern Biology I, Molecules, Cells, and Physiology.
Provides students with basic scientific and biological principles. Current problems in biology and the ethics of science are presented with perspectives of public policy from a scientific viewpoint. This course is not recommended for majors in the natural sciences, including biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: BIOL 1308

BIO 1321. Ecology, Evolution and Society.
This course provides the non-science major an overview of the ecological and evolutionary principles that govern relationships between living organisms, including humans, and their environment. Special attention is given to environmental issues of current concern, such as overpopulation, climate change, pollution, resource depletion, and conservation biology.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: BIOL 1309

BIO 1330. Functional Biology.
This course provides the students with a strong foundation in cellular and molecular biology. Topics include biochemistry, energy metabolism, molecular bases of gene regulation and protein functions, cell division and control, and cell signaling. This course is required for all biology majors and is not recommended for non-science majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 1306

BIO 1331. Organismal Biology.
This course provides science majors with a foundation in organismal biology, Mendelian and population genetics, evolution and ecology. Topic include: patterns of inheritance, genetics, evolution, speciation, phylogenetics, and behavioral population, community, and ecosystem ecology. This course is required for all biology majors and is not recommended for non-science majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 1307

BIO 2400. Microbiology.
Principles of microbiology, morphology, anatomy, physiology and taxonomy of representative groups of non-pathogenic organisms. Laboratory methods stress studies of pure cultures, the use of laboratory apparatus in quantitative determinations and the detection and identification of microbial populations in the environment. Prerequisites: BIO 1130 and BIO 1131 and BIO 1330 and BIO 1331 and CHEM 1341 all with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 2421
Course Fee: $5; Fee - Lab BIO

BIO 2410. Intermediate General Botany.
An introduction to the biology of plants and plant-like organisms, emphasizing their role in ecosystem processes, relationships between structure and function, and the evolutionary relationships among the major plant groups. Prerequisites: BIO 1130 and BIO 1131 and BIO 1330 and BIO 1331 all with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 2411. Intermediate Zoology.
Provides biology majors a strong foundation in animal biology at the organismal level. The format will include details of animal form and function as well as concepts relating to classification, phylogeny, evolution, and ecology. Topics will include natural history, biogeography, adaptations to local environments, shared characters, and behavior. All material is presented in an accepted phylogenetic sequence. Prerequisites: BIO 1130 and BIO 1131 and BIO 1330 and BIO 1331 all with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 2430. Human Physiology and Anatomy.
A course on human physiology covering the various organ systems. Principles of molecular biology, cell and tissue structure, anatomy and relationship of structure and function are stressed. May not be credited toward a Biology major or minor.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 2404
Course Fee: $5; Fee - Lab BIO

BIO 2440. Principles of Microbiology.
The Basic Principles of microbiology, morphology, physiology, immunology and the relationship of microorganisms to diseases. This course is designed primarily to meet the requirements for students in allied health sciences and other programs requiring only one semester of microbiology. This course may not be credited toward a biology major or minor. Prerequisites: BIO 1330 and CHEM 1341 both with grades of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 2420
Course Fee: $5; Fee - Lab BIO

BIO 2450. Genetics.
An introduction to basic principles of Genetics by studies of Mendelian, molecular, quantitative and population genetics. Topics include: classical transmission genetics, and gene mapping, DNA replication and repair, transcription, translation, control of gene expression, genetic engineering techniques, Hardy-Weinberg equilibrium, evolutionary change via natural selection, and genetic drift. Prerequisites: BIO 1130 and BIO 1131 and BIO 1330 and BIO 1331 and CHEM 1141 and CHEM 1142 and CHEM 1341 and CHEM 1342 all with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 2416
Course Fee: $20; Fee - Lab BIO

BIO 2451. Human Anatomy and Physiology I.
Part I of a two semester course on the structure and function of the human body. Designed specifically to prepare students for nursing and other health professions. Prerequisites: BIO 1330 and CHEM 1341 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 2401

BIO 2452. Human Anatomy and Physiology II.
This course is the second part of a two semester course on the structure and function of the human body designed specifically to prepare students for nursing and other health professions. Prerequisites: BIO 1330 and BIO 2451 and CHEM 1341 all with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 2402

BIO 3300. Cell and Molecular Biology.
Fundamentals of structure and function of prokaryotic and eukaryotic cells. This course includes cell and organelle structure, basic biochemistry, principles of thermodynamics and energy transformation, nucleic acid and protein synthesis, enzyme kinetics, cell motility and cell signaling. Prerequisites: BIO 1130 and BIO 1330 and BIO 2450 and CHEM 1342 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 3301. Biology of Sex and Reproduction.
This course focuses on animals, especially vertebrates, and covers topics such as the evolution of sexual reproduction, genetic variation, sex differentiation during development, reproductive anatomy and physiology, reproductive endocrinology, gestation, disease transmission, and reproductive technologies. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 3308. Global Ecology.
An interdisciplinary introduction to the science of global environmental change. Emphasis will be placed on understanding principles of earth system science, the scientific basis underlying the major components of global environmental change, the linkages between these components, and the central role of humanity in contributing to the observed changes. (WI) Prerequisites: BIO 1130 and BIO 1131 and BIO 1330 and BIO 1331 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

BIO 3341. Aquatic Toxicology.
This course examines the basic concepts of aquatic toxicology, including uptake mechanisms, interactions, and elimination of different toxicants. Students will understand how toxic substances impact freshwater and marine organisms and identify potential health impacts to humans. Topics to be discussed include nutrients, metals, oil, pesticides, radionuclides, plastics, and emerging contaminants. Prerequisites: BIO 1331 and CHEM 1341 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 3351. Forensic and Human Genetics.
This course introduces students to basic principles of Mendelian, molecular, and forensic genetics as it relates to the problems of human populations. This course is intended for non-science majors. May not be credited towards a biology major or minor. Prerequisites: [BIO 1320 and BIO 1321] or [BIO 1330 and BIO 1331] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 3371. Marine Resources.
This course examines the exploitation and fragility of the marine environment and the economic importance of marine resources. Topics to be examined include ocean ownership, overfishing, aquaculture, shark finning, whaling, ocean mining, marine transportation, tourism, pollution, harvesting energy from the ocean, and the importance of creating marine reserves. Prerequisite: BIO 1331 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 3376. Introduction to Biotechnology.
This course is an introduction to biotechnology. It provides an insight into how biotechnological applications can solve scientific and societal problems for the benefit of humankind. Prerequisite: BIO 1330 and BIO 1331 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 3406. Economic Botany.
An introduction to the utilization of plants by humans and their economic and ecological significance. Laboratories will stress plant features beneficial to economic and societal needs. Prerequisite: BIO 2450 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 3410. Phycology.
A study of algal organisms, comparative and culture techniques. Prerequisites: BIO 2410 and BIO 2450 both with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 3421. Vertebrate Physiology.
The study of the physiology of vertebrate organ systems, including the nervous system, musculoskeletal system, endocrine system, cardiovascular system, respiratory system, digestive system, reproductive system and urinary system. Mammalian systems will be emphasized. Prerequisite: BIO 2450 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 3430. Mycology.
A study of the fungal kingdom including slime molds and lichens. Laboratory studies will emphasize taxonomy, morphology and culture techniques. Prerequisites: [BIO 2400 or BIO 2410] and BIO 2450 both with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 3442. Virology.
The structure, multiplication and genetics of bacterial, plant, and animal viruses. The role of viruses in human and plant disease. (WI) Prerequisites: BIO 2400 and BIO 2450 both with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 3460. Aquatic Biology.
An introduction to plant and animal life in the fresh water habitats of the local area. (WI) Prerequisites: BIO 2411 and BIO 2450 and CHEM 1342 all with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 3461. Plant Taxonomy.
Principles of identification and classification of plants; nomenclature and characteristics of various plant groups with emphasis on the higher plants. Prerequisite: BIO 2450 with a grade of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 3470. Invertebrate Zoology.
A study of the comparative morphology, evolution, systematics and natural history of invertebrates. Prerequisites: BIO 2411 and BIO 2450 both with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 3480. Histology.
A study of the structural and functional relationships between cells and tissues in organs. The laboratory includes the study of prepared slides and of microtechnique. This course is designed to meet the needs of pre-professional students. Prerequisite: BIO 2450 with a grade of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4126. Immunology Laboratory.
This laboratory-based course will cover cells of the immune system and basic serological reactions, including bacterial and viral agglutination reactions, precipitation, immunoelectrophoresis, immunofluorescence, and enzyme-linked immunosorbent assays. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better. Corequisite: BIO 4326 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 4166. Medical Microbiology Laboratory.
This laboratory-based course will cover pathogenic bacteria emphasizing identification of selected groups of pathogens and the biological basis for virulence. (WI) Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better. Corequisites: BIO 4366.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

BIO 4176. Microbial Biotechnology Laboratory.
This laboratory-based course will cover use of microbes for biotechnological applications and is designed to provide practical explorations into fields of biotechnology. Topics include laboratory techniques for recombinant protein purification, fermentation, identification of markers in genetically modified food and bioremediation of pollutants. Prerequisite: BIO 2400 and BIO 2450 both with grades of "C" or better. Corequisite: BIO 4376.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4299. Undergraduate Research.
Supervised individual research projects in a mentor-student relationship with a biology professor. May be repeated once for credit. Prerequisites: BIO 2450 with a grade of “C” or better and a minimum 3.0 Texas State GPA and instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4300. Neurobiology.
This course will give students an overview of neuroscience, particularly the areas of neuroanatomy, neurophysiology, and evolutionary and developmental neurobiology. Prerequisite: BIO 2450 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4301. Evolution.
Basic genetic principles applied to natural selection, adaptation, populations, speciation and man’s future. Consideration is given to the origin of life, nature of chromosomal variation, evolution of genetic systems and certain other selected topics. Prerequisite: BIO 2450 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4304. Wildlife and Recreation: Impact, Policy, and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented. Prerequisite: BIO 4416 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4305. Nature Study.
This course provides a comprehensive survey of natural events. It includes laboratory and field work emphasizing observation, collection and discovery of relationships. It is creditable only for those seeking elementary or middle school certification and is required for those seeking grade 4-8 Science or Science/Mathematics teaching certification. This course must be taken the semester immediately prior to student teaching.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4311. Cancer Biology.
Cancer Biology provides a foundation for understanding the complex molecular, biochemical, and cellular processes associated with cancer development. Topics include the role of tumor suppressor genes, oncogenes, DNA repair, apoptosis, ECM, cell-cycle control, cell signaling pathways, immune function and cancer-causing viruses. Emerging diagnostics and/or therapeutics will also be discussed. Prerequisite: BIO 2450 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4319. Biological Resources: Conservation and Planning.
This course is an introduction to the protection and sustainable use of populations, species, habitats, and ecosystems. Course also includes study of the methods used to analyze biodiversity and population regulation. Corequisite: BIO 4416 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4326. Immunology.
This lecture-based course will cover the biology of the immune system and its relationship to disease, emphasizing B and T cell immunity, immune diseases, hypersensitivities, transplantation, and cancer. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4327. Issues in Irish Biodiversity and Conservation.
In this course, students will learn about Irish flora and fauna, ecosystems, conservation strategies in areas of high ecological concern, and public involvement. Emphasis will be placed on case studies and service-learning opportunities. Prerequisite: BIO 1131 and BIO 1331 both with grades of "D" or better and instructor approval. Corequisite: BIO 4328 with a grade of "D" or better.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4328. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Prerequisite: BIO 1131 and BIO 1331 both with grades of "D" or better and instructor approval. Corequisite: BIO 4327 with a grade of "D" or better.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4329. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and overwintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4331. Human Dimensions of Wildlife and Fisheries Conservation.
Humans play a role in nearly every aspect of wildlife and fisheries conservation. This course will provide students with principles, concepts, and case studies to understand how the human experience (e.g., culture, politics, economics) influences conservation outcomes. Students will also have an opportunity to integrate human dimensions into local decision-making. Prerequisite: BIO 4416 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4337. Biology and Conservation of Sharks.
This course examines the biology and conservation of sharks and their relatives (skates, rays, chimaeras, and sawfish). Topics to be examined include evolutionary history, distribution, anatomy and physiology, daily movements and migration, diet, reproduction, relationship with humans, fisheries, conservation, and field methods used in shark research. Prerequisite: BIO 1331 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4338. Tropical Ecology and Conservation.
In this course students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. This is an immersive and intensive study abroad course combining traditional lecture, field-based instruction, and primary literature-based discussions while observing actual tropical ecosystems. Prerequisite: BIO 1130 and BIO 1131 and BIO 1330 and BIO 1331 all with grades of "C" or better and a minimum 2.5 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4343. Fish Physiology.
This course examines the primary physiological functions in fish, including how fish sense and interact with the environment, maintain their energetic metabolism (respiration, digestion and excretion), reproduce and maintain water balance. Students will learn about the diverse adaptions fish use to cope with environmental and physiological challenges. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4350B. Biological Implications of Water Planning in Texas.
Current topics in understanding the biological implications of water planning in Texas. This course will be of particular interest to students who have a background in aquatic biology and who intend to stay in Texas post-graduation. May be repeated once with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350D. Watershed Management Frameworks and Applications.
Introduction to integrated watershed assessment and management tools for identifying programmatic water quality and quantity issues and their root causes and solutions, and their practical application. The scientific and socio-economic elements are considered within the context of planning and developing watershed protection plans and programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350E. Techniques in Aquatic Biology.
This course will provide hands on experience with a suite of physical, chemical, and biological sampling techniques and gear used in applied river studies. Students will be exposed to the fundamentals of data quality objectives, accuracy, precision, detection limits, data visualization, exploratory analysis, univariate and multivariate statistics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350I. Bird Conservation and Management.
This course is an introduction to the conservation and management of bird populations in an ecological context. Course covers a variety of species and spatial scales from landscape to ecoregion. Laboratory portion will involve field trips, intensive computer-based labs, and class discussion. Corequisites: BIO 4416 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350J. Environmental Physiology of Animals.
This course is a study of how animals respond physiologically to changes in environmental temperature, moisture, salinity, partial pressure of gases, and toxins. Prerequisites: BIO 1330 and BIO 1331 and BIO 2450 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350K. Genomics.
The course is a lecture covering modern genomics, including principles of genome function, the human genome, comparative genomics, genome sequencing, evolution and genomic change, databases and medicine, ethical, legal and social issues. The course also includes discussion of transcriptomics, proteomics, metabolomics, directed evolution, protein design, and systems biology. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350L. Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350M. Wildlife Policy and Law in North America.
This course provides the student with a historical and cultural context within which wildlife policy and law have developed in North America, particularly in the United States. Federal treaties, statutes, case law, and regulations pertaining to wildlife will be presented. Wildlife law from representative states will be referenced as well. Corequisite: BIO 4423 or BIO 4435 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350N. Aquatic Toxicology.
This course examines the basic concepts of aquatic toxicology, including uptake mechanisms, interactions and elimiation of different toxicants. Students will understand how toxic substances impact freshwater and marine environments and identify potential health impacts to humans. Topics to be discussed include nutrients, metals, petroleum, radionuclides, plastics and emerging contaminants. Restricted to Junior standing. Prerequisite: A minimum 2.5 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350P. Tropical Ecology and Conservation Lab.
This laboratory course complements the lecture course, in which students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Co-requisite(s): BIO 4350O
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350Q. Biological Oceanography.
Students will be introduced to the principles of oceanography and will understand anthropogenic impacts on the oceans. Topics to be investigated will include: ocean formation and destruction, sediments, ocean circulation, waves, tides, estuaries, life in the oceans, hydrothermal vents, coral reefs, fisheries, marine pollution, and climate change. Prerequisite: Minimum 2.50 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350R. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. It is designed on topics of applied microbiology recommended by American Society of Microbiology. Prerequisites: BIO 2400 and BIO 2450 (or equivalent), with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350T. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Must be accepted into the Texas State in Ireland Study Abroad program.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350U. Ecology of Rarity.
This course will examine the ecology of rarity and its ability to inform public awareness and environmental policy. This course will explore how we define rarity, persistence and viability, is rarity more or less common than might be expected, and is there anything we can or should do about it? Prerequisite: BIO 4416 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350V. Fish Physiology.
This course examines the primary physiological functions in fish, including how fish sense and interact with the environment, maintain their energetic metabolism (respiration, digestion and excretion), reproduce and maintain water balance. Students will learn about the diverse adaptions fish use to cope with environmental and physiological challenges. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350W. Biology and Conservation of Sharks.
This course examines the biology and conservation of sharks and their relatives (skates, rays and sawfish). Topics to be examined include evolutionary history, distribution, anatomy and physiology, daily movements and migration, diet, reproduction, relationship with humans, fisheries, conservation, and field methods used in shark research. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350Y. Introduction to Laboratory Research Methods.
This course is for students interested in undergraduate research and introduces the fundamental methods and practices utilized in biological research labs. This hands on course covers keeping a lab notebook, following standard protocols, and collecting/analyzing data. Student will be introduced to current research programs offered in the Biology department. Prerequisite: BIO 1330 and BIO 1331 both with grades of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350Z. Diversity and Cultural Impact of Geoparks.
Students will explore biological differences in diversity across Geoparks in the United States and Ireland. Additionally, students will study the cultural impact that Geoparks have on the local community and national policy by focusing on differences between science communication strategies and community engagement practices conducted at the parks. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4351A. Vertebrate Endocrinology.
This course teaches function and organization of the endocrine system. It describes the major endocrine glands, the synthesis and release of their hormone products, and the interaction with target tissues. Endocrine control of digestion, growth, reproduction, and homeostasis will be compared between mammals and other vertebrate groups. Prerequisite: BIO 2450 and CHEM 2342 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4351D. Ecology of Temporary Waters.
Temporary waters (which regularly go dry) are often overlooked. This course explores their diversity, their ecological role and how these systems are impacted by humans. We will also look at the species that rely on temporary waters, their special adaptations, and their populations and community dynamics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4351E. Natural History of America.
In this field course students will examine the terrestrial and aquatic wildlife of a chosen study area in relation to their conservation and management. Local geology and climate change impacts on wildlife diversity will also be discussed. Prerequisite: BIO 1331 and BIO 1131 both with grades of "C" or better and a minimum 2.5 overall GPA and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4351F. Marine Ecology and Conservation.
In this field course students will examine the ecology, management, and conservation of marine flora and fauna, and the impact of humans on marine life. Prerequisite: BIO 1331 and BIO 1131 both with grades of "C" or better and a minimum 2.5 overall GPA and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4351G. Omics Approach to Microbiology.
The course will discuss contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, and metaproteomics. Prerequisite: BIO 2450 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4351H. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4366. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their relationship to disease, epidemiology and the biological basis for virulence. Students may take only one of BIO 4345, BIO 4350G or BIO 4445 for credit. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4369. Biosystematics.
Biological systematics is a multidisciplinary component of most biological disciplines. Course topics include: classification schemes, homology, homoplasy, the application of nomenclature, and phylogeny reconstruction. The course will also present relevant issues in conservation, biodiversity cataloguing, museum and collection management, and identification methods/dichotomous keys. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4376. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course is based on topics of applied microbiology as recommended by American Society of Microbiology. Prerequisite: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

BIO 4377. Genome Informatics.
The course will cover basic knowledge on genomics and its bioinformatics tools. Students will learn current topics on genomics and bioinformatics, and will analyze genomic data using statistical software. All the analyses will be performed using a personal and a cluster computer. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4400. Plants Important for Wildlife.
This course explores plant and plant part (specifically gall, fruit, seed, and twig) identification, phylogenetics, co-evolution of plant defenses, economic and ecological impacts of plant uses by wildlife. Prerequisite: BIO 2410 or BIO 2450 either with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4402. Earth Science I.
The description and interpretation of earth phenomena considered from the standpoint of meteorology and astroscience. Includes field observations, methods of measurement and interpretation of data related to the physical environment and space technology. May not be counted toward a major or minor in biology. Required for those seeking grade 4-8 Science and Mathematics/Science certification.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4403. Earth Science II.
The description and interpretation of earth phenomena considered from the standpoint of geology and oceanography. Includes field observations, methods of sampling and interpretation of data related to the physical environment. May not be counted toward a major or a minor in biology. Required for those seeking grade 4-8 Science and Mathematics/Science certification.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4408. Science Processes and Research.
Students will analyze scientific research design, design research, interpret data, and communicate results. Stress will be placed on broad-field structure and integration of major science concepts and research-based science pedagogy. This course must be taken the semester prior to student teaching and is required for those seeking 7-12 Life Science or Science teacher certification. This course may not count as one of the four upper-level Biology courses required of general Biology majors, or one of the three upper-level Biology courses required of Biology minors.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4410. Field Biology of Plants.
Ecological relationships and natural history of plants, including historical geology, geography, soils, vegetational regions and surface geology of central Texas. Emphasis is placed on plant-soil-water relationships to develop conservation concepts. Students will make a representative collection of plants. Prerequisite: BIO 2450 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4411. Morphology of the Vascular Plants.
The structure, life-cycles and evolution of fossil and living vascular plants. Emphasis on such topics as the origin of land plants, evolution of the ovule, angiospermy, the flower and fruit. Prerequisites: BIO 2450 and CHEM 1342 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4412. Plant Anatomy.
The anatomy of vascular plants stressing descriptive, development and comparative aspects of seed plants and the anatomical adaptations of plants to environmental factors. Prerequisites: BIO 2450 and CHEM 1342 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4413. Parasitology.
The biology and biological significance of the common parasites of man and animals. Prerequisites: BIO 2411 and BIO 2450 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4415. Ichthyology.
An introduction to the morphology, taxonomy, natural history and evolution of fishes. Field trips will be made to collect specimens and laboratory periods will be devoted to morphological and systematic analysis. Prerequisites: BIO 2411 and BIO 2450 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4416. General Ecology.
The ecological relationships that exist between organisms and those relationships that exist between organism and environment. Laboratory sessions will be devoted to literature review and/or specific ecological problems. This course or BIO 4454 is required of all biology majors. (WI) Prerequisites: BIO 2450 and [BIO 2400 or BIO 2410 or BIO 2411] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 4418. Field Ornithology.
This course is designed to introduce and provide an advanced knowledge of the application of various field, laboratory, and statistical methods and techniques in the study of avian species. The course will include topics related to survey methodology, sampling design, marking/banding, measurement/sample extraction, and aging/sexing of avian species.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 4420. Natural History of the Vertebrates.
Environmental relationships and natural history of vertebrates. Emphasis is upon taxonomy, speciation and biotic provinces. The laboratory will include field trips for the study and collection of animals in their natural habitats. Students will assemble a representative collection of animals. (WI) Prerequisites: BIO 2411 and BIO 2450 both with grades of "C" or better and instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4421. Ornithology.
Introduction to anatomy, behavior, ecology and identification of birds of Texas. Laboratory will emphasize field studies of birds and their habitat requirements. Prerequisites: BIO 2411 and BIO 2450 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4422. Mammalogy.
The taxonomy, distribution, ecology, behavior and evolution of mammals with particular emphasis on wild animals of the southwest. Laboratory will emphasize anatomy, identification, preparation of specimens and field exercises in the methods of population analysis. Prerequisites: BIO 2411 and BIO 2450 both with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4423. Wildlife Management.
Applications of the principles of ecology and natural history to the management of wildlife habitats and control of wildlife populations. Laboratory will involve demonstrations and practice exercises with wildlife management techniques and instrumentation and field trips to observe wildlife management projects. (WI) Prerequisites: BIO 2410 and BIO 2411 and BIO 2450 all with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4425. Biometry.
Basic principles of statistical methods as applied to biological problems such as sampling techniques, analysis of data, experimental design and population dynamics. Emphasis will be on practical application. Prerequisites: BIO 2450 and [MATH 1315 or MATH 2321 or MATH 2417 or MATH 2471] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 4434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. Emphasis will be placed on North American species and those groups inhabiting Texas. Prerequisites: BIO 2411 and BIO 2450 both with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4435. Techniques in Wildlife Management.
The basic methodology of practical wildlife management. This involves techniques in monitoring and data collection related to population dynamics and habitat parameters of wildlife species. Prerequisites: BIO 2411 and BIO 2450 both with grades of “C” or better and instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4436. Tropical Biology.
This course entails an analysis and evaluation of the governing principles of tropical ecosystems, including wildlife ecologies, geological processes, and environmental-cultural interactions. In the laboratories, students will compare ecological relationships that influence tropical biology, discuss peer-reviewed literature and examine tropical flora and fauna during field trips to regional sub-tropical areas. Prerequisite: BIO 2410 and BIO 2411 and BIO 2450 all with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4441. Cellular Physiology.
Advanced cellular biology, including membrane physiology, thermodynamics, energy transduction and distribution, and cellular movement in non-muscle and muscle cells. Laboratory includes discussion of current research and exercises in cellular physiology. (WI) Prerequisites: BIO 2450 and [CHEM 2330 or CHEM 2341 or CHEM 2342] both with grades of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 4442. Experimental Techniques.
Use of methods and instruments applicable to biological investigations, including colorimetry; UV-spectrophotometry; fluorescence; flame and atomic absorption spectrophotometry; paper, gas, gel filtration and ion exchange chromatography; radioactive counting; and electrophoresis. Prerequisite: BIO 2450 with a grade of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4446. Microbial Ecology.
This course will illustrate the wide variety of bacteria in nature, their interactions with other organisms and the environments, and their roles in global cycling of elements such as carbon, nitrogen, and sulfur. The laboratories will feature enrichments for selected groups of microorganisms (sulfate reducers, nitrogen fixers) and analysis of these isolates by microscopy, gas chromatography and radiochemical substrate utilizations. (WI) Prerequisites: BIO 2400 and BIO 2450 both with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 4447. Microbial Physiology and Genetics.
This course will cover fundamental concepts in bacterial physiology and genetics, including central and specialized metabolism, and unique aspects of bacterial genetics. (WI) Prerequisites: BIO 2400 and BIO 2450 and CHEM 2142 and CHEM 2342 all with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 4448. Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Prerequisite: BIO 2400 and BIO 2450 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

BIO 4450. Physiological Ecology of Animals.
This course brings together the principal concepts of environmental physiology of animals inhabiting the major ecological realms of the earth (land, air, sea, and fresh water). The biological problem associated with living in the various ecological realms will be discussed, and the biochemical and physiological adaptations of animals to their diverse habitats will be studied. Prerequisites: BIO 2450 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 4454. Plant Ecology.
Physiological ecology and community structure and function in the organization of terrestrial plant ecosystems. Quantitative vegetational sampling and the use of field and laboratory physiological equipment are included in the laboratory. (WI) Prerequisite: BIO 2450 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 4455. Plant Physiology.
Basic principles of plant physiology are studied in lecture and laboratory. One semester of organic chemistry is strongly recommended. Prerequisite: BIO 2450 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4464. Vertebrate Anatomy.
This course is a comparative study of vertebrate anatomy. Fossil histories are evaluated to understand how vertebrate radiation occurred in the geological past,along with changes in structure of organs and organ systems. Lab includes dissection of representative members of each major vertebrate group. Prerequisite: BIO 2450 with a grade of "C" or better. (WI).
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 4465. General Entomology.
Principles of morphology, physiology and taxonomy of insects. Laboratory time will be devoted to a taxonomic study of the common orders and families of insects. Prerequisites: BIO 2411 and BIO 2450 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 4470. Limnology.
The physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnological sampling methods, chemical, and biological analysis of samples and hydrographic surveying are included in the laboratory. (WI) Prerequisites: BIO 2450 and CHEM 1342 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 4472. Animal Behavior.
This course presents all the major facets of the study of animal behavior, giving special attention to its evolution and ecological significance. We will discuss major conceptual models guiding past and present research in the field. Laboratories will emphasize experimental techniques and statistical analysis. (WI) Prerequisites: BIO 2450 and [BIO 2400 or BIO 2410 or BIO 2411] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 4480. Cytology and Microtechnique.
A study of cellular structure and microscopic technique. The lecture portion of the course presents cytology of all cell types and theoretical aspects of microscopy including light and electron-based technologies. The laboratory portion of the course provides training in standard light and electron microscopy, laser scanning confocal microscopy, and digital microscopy. Prerequisite: BIO 2450 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4481. Internship in Biological Laboratory Technologies.
The student will participate in the work of a selected biology unit (private, commercial, or governmental). A research paper, reporting the internship experience conducted at the biological unit under the supervision of a faculty member, will be required. This course may be credited toward a biology major with prior approval of the biology department adviser and chair. Prerequisite: BIO 2450 with a grade of "C" or better.
4 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 4490. Principles of Developmental Biology.
This course will cover basic principles of developmental biology in both plant and animal systems. The course will mainly address cell, molecular and genetic mechanisms underlying the development of model organisms, mainly focusing on Drosophila (animal) and Arabidopsis (plant). Prerequisite: BIO 2450 with grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

Courses in General Science (GS)

GS 3310. General Science.
This course is a laboratory course designed to acquaint the student with the fundamentals of chemistry and earth space science. It is non-creditable for science majors but is a required course for Elementary EC-6 Generalist certification. Prerequisites: PHYS 1310, PHYS 1320, and PHYS 1110; or PHYS 1410 and PHYS 1420 all with grades of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GS 3320. General Science.
This course is a laboratory course designed to acquaint the student with the fundamentals of biological science. It is non-creditable for science majors but is a required course for Elementary EC-6 Generalist certification. Prerequisite: BIO 1320, BIO 1421, BIO 1330 and BIO 1130, or BIO 1331 and BIO 1131 completed with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

Bachelor of Science (B.S.) Major in Aquatic Biology

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The recommended minor is Chemistry or Biochemistry. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
7. For transfer students, 24 semester credit hours in biology, chemistry and physics (or their equivalents) may be transferred from a Texas public institution of higher education for the Biology Field of Study and be applied to the Bachelor of Science degree with a major in Aquatic Biology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
BIO 1330	Functional Biology	3
TCCN: BIOL 1306		
BIO 1130	Functional Biology Laboratory	1
TCCN: BIOL 1106		
BIO 1331	Organismal Biology	3
TCCN: BIOL 1307		
BIO 1131	Organismal Biology Laboratory	1
TCCN: BIOL 1107		
CHEM 1341	General Chemistry I	3
TCCN: CHEM 1311		
CHEM 1141	General Chemistry Laboratory I	1
TCCN: CHEM 1111		
CHEM 1342	General Chemistry II	3
TCCN: CHEM 1312		
CHEM 1142	General Chemistry Laboratory II	1
TCCN: CHEM 1112		
CHEM 2341	Organic Chemistry I	3
TCCN: CHEM 2323		
CHEM 2141	Organic Chemistry Laboratory I	1
TCCN: CHEM 2123		
PHYS 1315	General Physics I	3
TCCN: PHYS 1301		
PHYS 1115	General Physics I Laboratory	1
TCCN: PHYS 1101		
Total Hours		24

Course Requirements

				Freshman
First Semester	Hours		Second Semester	Hours
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331 (Life & Physical Sciences Component Code 030)		3
BIO 1130	1	BIO 1131		1
CHEM 1141	1	CHEM 1142		1
CHEM 1341	3	CHEM 1342		3
US 1100	1	ENG 1320 (Communication Component Code 010)		3
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)		3

POSI 2310 (Government/ Political Science Component Code 070)	3		
	15		14

Sophomore

First Semester	Hours	Second Semester	Hours
BIO 2450	4	BIO 2411	4
CHEM 2141	1	CHEM 2142	1
CHEM 2341	3	CHEM 2342	3
Mathematics Component Code 020[1]	3	Mathematics[1]	3
HIST 1320 (American History Component Code 060)	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
		POSI 2320 (Government/ Political Science Component Code 070)	3
	14		17

Junior

First Semester	Hours	Second Semester	Hours
BIO 3421 or 4455	4	BIO Advanced Elective[2]	3
PHYS 1315	3	PHYS 1325	3
PHYS 1115	1	PHYS 1125	1
COMM 1310 (Component Area Option Code 090/091)	3	ENG Literature (Component Area Option Code 090/094)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	Social & Behavioral Sciences Component Code 080	3
		Minor/Advanced Electives	3
	14		16

Senior

First Semester	Hours	Second Semester	Hours
BIO 4415	4	BIO 4301	3
BIO 3460	4	BIO 4416	4
BIO 4470	4	Minor/Advanced Electives	4
Minor/Advanced Elective	3	Free Electives	4
	15		15

Total Hours: 120

1 Math requirements may be satisfied by taking MATH 2321 and MATH 2328, or MATH 2471 and MATH 2328, or MATH 2471 and MATH 2328, or MATH 2321 and MATH 2331, or MATH 2471 and MATH 2472.

2 BIO 4299 requires faculty and departmental chair approval to count toward the advanced electives. Biology advanced electives cannot include: BIO 3351, BIO 4305, BIO 4402, BIO 4403, and BIO 4408.

Bachelor of Science (B.S.) Major in Biology

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The recommended minor is Chemistry or Biochemistry. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
7. For transfer students, 24 semester credit hours in biology, chemistry and physics (or their equivalents) may be transferred from a Texas public institution of higher education for the Biology Field of Study and be applied to the Bachelor of Science degree with a major in Biology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
BIO 1330	Functional Biology	3
TCCN: BIOL 1306		
BIO 1130	Functional Biology Laboratory	1
TCCN: BIOL 1106		
BIO 1331	Organismal Biology	3
TCCN: BIOL 1307		
BIO 1131	Organismal Biology Laboratory	1
TCCN: BIOL 1107		
CHEM 1341	General Chemistry I	3
TCCN: CHEM 1311		
CHEM 1141	General Chemistry Laboratory I	1
TCCN: CHEM 1111		
CHEM 1342	General Chemistry II	3
TCCN: CHEM 1312		
CHEM 1142	General Chemistry Laboratory II	1
TCCN: CHEM 1112		

CHEM 2341	Organic Chemistry I	3
TCCN: CHEM 2323		
CHEM 2141	Organic Chemistry Laboratory I	1
TCCN: CHEM 2123		
PHYS 1315	General Physics I	3
TCCN: PHYS 1301		
PHYS 1115	General Physics I Laboratory	1
TCCN: PHYS 1101		
Total Hours		24

Course Requirements

				Freshman
First Semester	**Hours**		**Second Semester**	**Hours**
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331 (Life & Physical Sciences Component Code 030)		3
BIO 1130	1	BIO 1131		1
CHEM 1141	1	CHEM 1142		1
CHEM 1341	3	CHEM 1342		3
US 1100	1	ENG 1320 (Communication Component Code 010)		3
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)		3
POSI 2310 (Government/ Political Science Component Code 070)	3			
	15			14
				Sophomore
First Semester	**Hours**		**Second Semester**	**Hours**
BIO 2450	4	BIO 2400, 2410, or 2411		4
CHEM 2141	1	CHEM 2142		1
CHEM 2341	3	CHEM 2342		3
Mathematics Component Code 020[1]	3	Mathematics[1]		3
HIST 1320 (American History Component Code 060)	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)		3
		POSI 2320 (Government/ Political Science Component Code 070)		3
	14			17
				Junior
First Semester	**Hours**		**Second Semester**	**Hours**
BIO 4416	4	BIO Advanced Physiology[2]		4
PHYS 1315	3	PHYS 1325		3
PHYS 1115	1	PHYS 1125		1
COMM 1310 (Component Area Option Code 090/091)	3	ENG Literature (Component Area Option Code 090/094)		3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	Social & Behavioral Sciences Component Code 080		3
	14			14
				Senior
First Semester	**Hours**		**Second Semester**	**Hours**
BIO Advanced Electives[3]	8-9	BIO 4301		3
Minor/Advanced Electives[3]	7-8	BIO Advanced Electives[3]		6-7
		Minor/Advanced Electives[3]		2-3
		Free Electives		4
	16			16

Total Hours: 120

1 Mathematics requirements may be satisfied by taking MATH 2321 and MATH 2328, or MATH 2471 and MATH 2328, or MATH 2321 and MATH 2331, or MATH 2471 and MATH 2472

2 Choose one Advanced Physiology course from: BIO 3421 (fall or spring), BIO 4455 (fall), or BIO 4441 (spring).

3 BIO 4299 requires faculty and departmental chair approval to count toward the 15 hours of advanced BIO electives. Biology advanced electives cannot include: BIO 3351, BIO 4305, BIO 4402, BIO 4403, and BIO 4408.

Bachelor of Science (B.S.) Major in Biology (Pre-Dental Concentration)

Minimum required: 120-124 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The recommended minor is Chemistry or Biochemistry. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
7. For transfer students, 24 semester credit hours in biology, chemistry and physics (or their equivalents) may be transferred from a Texas public institution of higher education for the Biology Field of Study and be applied to the Bachelor of Science degree with a major in Biology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The

transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
BIO 1330	Functional Biology	3
TCCN: BIOL 1306		
BIO 1130	Functional Biology Laboratory	1
TCCN: BIOL 1106		
BIO 1331	Organismal Biology	3
TCCN: BIOL 1307		
BIO 1131	Organismal Biology Laboratory	1
TCCN: BIOL 1107		
CHEM 1341	General Chemistry I	3
TCCN: CHEM 1311		
CHEM 1141	General Chemistry Laboratory I	1
TCCN: CHEM 1111		
CHEM 1342	General Chemistry II	3
TCCN: CHEM 1312		
CHEM 1142	General Chemistry Laboratory II	1
TCCN: CHEM 1112		
CHEM 2341	Organic Chemistry I	3
TCCN: CHEM 2323		
CHEM 2141	Organic Chemistry Laboratory I	1
TCCN: CHEM 2123		
PHYS 1315	General Physics I	3
TCCN: PHYS 1301		
PHYS 1115	General Physics I Laboratory	1
TCCN: PHYS 1101		
Total Hours		24

Course Requirements

			Freshman	
First Semester	**Hours**		**Second Semester**	**Hours**
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331 (Life & Physical Sciences Component Code 030)		3
BIO 1130 (Life & Physical Sciences Component Code 030)	1	BIO 1131 (Life & Physical Sciences Component Code 030)		1
CHEM 1141	1	CHEM 1142		1
CHEM 1341	3	CHEM 1342		3
US 1100	1	ENG 1320 (Communication Component Code 010)		3
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)		3
POSI 2310 (Government/ Political Science Component Code 070)	3			
	15			14
			Sophomore	
First Semester	**Hours**		**Second Semester**	**Hours**
BIO 2450	4	BIO 2400		4
CHEM 2141	1	CHEM 2142		1
CHEM 2341	3	CHEM 2342		3
HIST 1320 (American History Component Code 060)	3	Select one of the following: (Creative Arts Component Code 050)		3
Mathematics Component Code 020 (See Pair Choices)[1]	3-4	ART 2313		
		DAN 2313		
		MU 2313		
		TH 2313		
		POSI 2320 (Government/ Political Science Component Code 070)		3
		Mathematics (See Pair Choices)[1]		3-4
	14-15			17-18
			Junior	
First Semester	**Hours**		**Second Semester**	**Hours**
BIO 4416	4	BIO 3421		4
PHYS 1315	3	PHYS 1325		3
PHYS 1115	1	PHYS 1125		1
COMM 1310 (Component Area Option Code 090/091)	3	ENG Literature (Component Area Option Code 090/094)		3
PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3	PSY 1300 (Language, Philosophy & Culture Component Code 040)		3
	14			14
			Senior	
First Semester	**Hours**		**Second Semester**	**Hours**
BIO Advanced Electives[2]	8-9	BIO 4301		3
Minor/Advanced Electives	8	BIO Advanced Electives[2]		6-7
		Minor/Advanced Electives		3
		Free Electives		4
	16-17			16-17

Total Hours: 120-124

1 Mathematics requirements may be satisfied by taking MATH 2321 and MATH 2328, or MATH 2471 and MATH 2328.

2 BIO 4299 requires faculty and departmental chair approval to count toward the 15 hours of advanced BIO electives. Biology advanced electives cannot include: BIO 3351, BIO 4305, BIO 4402, BIO 4403, and BIO 4408.

Bachelor of Science (B.S.) Major in Biology (Pre-Medical Concentration)

Minimum required: 120-124 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this

catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The recommended minor is Chemistry or Biochemistry. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
7. For transfer students, 24 semester credit hours in biology, chemistry and physics (or their equivalents) may be transferred from a Texas public institution of higher education for the Biology Field of Study and be applied to the Bachelor of Science degree with a major in Biology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
BIO 1330	Functional Biology	3
TCCN: BIOL 1306		
BIO 1130	Functional Biology Laboratory	1
TCCN: BIOL 1106		
BIO 1331	Organismal Biology	3
TCCN: BIOL 1307		
BIO 1131	Organismal Biology Laboratory	1
TCCN: BIOL 1107		
CHEM 1341	General Chemistry I	3
TCCN: CHEM 1311		
CHEM 1141	General Chemistry Laboratory I	1
TCCN: CHEM 1111		
CHEM 1342	General Chemistry II	3
TCCN: CHEM 1312		
CHEM 1142	General Chemistry Laboratory II	1
TCCN: CHEM 1112		
CHEM 2341	Organic Chemistry I	3
TCCN: CHEM 2323		
CHEM 2141	Organic Chemistry Laboratory I	1
TCCN: CHEM 2123		
PHYS 1315	General Physics I	3
TCCN: PHYS 1301		
PHYS 1115	General Physics I Laboratory	1
TCCN: PHYS 1101		
Total Hours		24

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331 (Life & Physical Sciences Component Code 030)	3
BIO 1130 (Life & Physical Sciences Component Code 030)	1	BIO 1131 (Life & Physical Sciences Component Code 030)	1
CHEM 1141	1	CHEM 1142	1
CHEM 1341	3	CHEM 1342	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3		
	15		14

Sophomore

First Semester	Hours	Second Semester	Hours
BIO 2450	4	BIO 2400	4
CHEM 2141	1	CHEM 2142	1
CHEM 2341	3	CHEM 2342	3
HIST 1320 (American History Component Code 060)	3	Select one of the following: (Creative Arts Component Code 050)	3
Mathematics Component Code 020 (See Pair Choices)[1]	3-4	ART 2313	
		DAN 2313	
		MU 2313	
		TH 2313	
		POSI 2320 (Government/ Political Science Component Code 070)	3
		Mathematics (See Pair Choices)[1]	3-4
	14-15		17-18

Junior

First Semester	Hours	Second Semester	Hours
BIO 4416	4	BIO 3421	4
PHYS 1315	3	PHYS 1325	3
PHYS 1115	1	PHYS 1125	1
COMM 1310 (Component Area Option Code 090/091)	3	ENG Literature (Component Area Option Code 090/094)	3
PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3	PSY 1300 (Social & Behavioral Sciences Component Code 080)	3
	14		14

Senior

First Semester	Hours	Second Semester	Hours
BIO Advanced Electives[2]	8-9	BIO 4301	3

Minor/Advanced Electives	8 BIO Advanced Electives[2]	6-7
	Minor/Advanced Electives	3
	Free Electives	4
	16-17	16-17

Total Hours: 120-124

1 Mathematics requirements may be satisfied by taking MATH 2321 and MATH 2328, or MATH 2471 and MATH 2328.

2 BIO 4299 requires faculty and departmental chair approval to count toward the 15 hours of advanced BIO electives. Biology advanced electives cannot include: BIO 3351, BIO 4305, BIO 4402, BIO 4403, and BIO 4408.

Bachelor of Science (B.S.) Major in Biology (Pre-Physician Assistant Concentration)

Minimum required: 120-124 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The recommended minor is Chemistry or Biochemistry. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
7. For transfer students, 24 semester credit hours in biology, chemistry and physics (or their equivalents) may be transferred from a Texas public institution of higher education for the Biology Field of Study and be applied to the Bachelor of Science degree with a major in Biology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
BIO 1330	Functional Biology	3
TCCN: BIOL 1306		
BIO 1130	Functional Biology Laboratory	1
TCCN: BIOL 1106		
BIO 1331	Organismal Biology	3
TCCN: BIOL 1307		
BIO 1131	Organismal Biology Laboratory	1
TCCN: BIOL 1107		
CHEM 1341	General Chemistry I	3
TCCN: CHEM 1311		
CHEM 1141	General Chemistry Laboratory I	1
TCCN: CHEM 1111		
CHEM 1342	General Chemistry II	3
TCCN: CHEM 1312		
CHEM 1142	General Chemistry Laboratory II	1
TCCN: CHEM 1112		
CHEM 2341	Organic Chemistry I	3
TCCN: CHEM 2323		
CHEM 2141	Organic Chemistry Laboratory I	1
TCCN: CHEM 2123		
PHYS 1315	General Physics I	3
TCCN: PHYS 1301		
PHYS 1115	General Physics I Laboratory	1
TCCN: PHYS 1101		
Total Hours		24

Course Requirements

				Freshman
First Semester	**Hours**		**Second Semester**	**Hours**
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331 (Life & Physical Sciences Component Code 030)		3
BIO 1130 (Life & Physical Sciences Component Code 030)	1	BIO 1131 (Life & Physical Sciences Component Code 030)		1
CHEM 1141	1	CHEM 1142		1
CHEM 1341	3	CHEM 1342		3
US 1100	1	ENG 1320 (Communication Component Code 010)		3
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)		3
POSI 2310 (Government/ Political Science Component Code 070)	3			
	15			14
				Sophomore
First Semester	**Hours**		**Second Semester**	**Hours**
BIO 2450	4	BIO 2400		4
CHEM 2141	1	CHEM 2142		1
CHEM 2341	3	CHEM 2342		3
HIST 1320 (American History Component Code 060)	3	Select one of the following: (Creative Arts Component Code 050)		3

Mathematics Component Code 020 (See Pair Choices)[1]	3-4	ART 2313	
		DAN 2313	
		MU 2313	
		TH 2313	
		POSI 2320 (Government/ Political Science Component Code 070)	3
		Mathematics (See Pair Choices)[1]	3-4
	14-15		17-18

Junior			
First Semester	**Hours**	**Second Semester**	**Hours**
BIO 4416	4	BIO 3421	4
PHYS 1315	3	PHYS 1325	3
PHYS 1115	1	PHYS 1125	1
COMM 1310 (Component Area Option Code 090/091)	3	ENG Literature (Component Area Option Code 090/094)	3
PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3	PSY 1300 (Social & Behavioral Sciences Component Code 080)	3
	14		14

Senior			
First Semester	**Hours**	**Second Semester**	**Hours**
BIO 4464	4	BIO 4301	3
BIO Advanced Electives[2]	4-5	BIO Advanced Electives[2]	6-7
Minor/Advanced Electives	8	Minor/Advanced Electives	3
		Free Electives	4
	16-17		16-17

Total Hours: 120-124

1 Mathematics requirements may be satisfied by taking MATH 2321 and MATH 2328, or MATH 2471 and MATH 2328.

2 BIO 4299 requires faculty and departmental chair approval to count toward the 15 hours of advanced BIO electives. Biology advanced electives cannot include: BIO 3351, BIO 4305, BIO 4402, BIO 4403, and BIO 4408.

Bachelor of Science (B.S.) Major in Biology (Teacher Certification in Life Science, Grades 7-12)

Minimum required: 125 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. A minor in Secondary Education is required.
3. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 overall GPA, a GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C," and a GPA of at least 2.75 in courses taken in the College of Science and Engineering at Texas State University with no grade below a "C," and a Secondary Education minor GPA of at least 2.50 with no grades less than a "C" in all minor courses.
4. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. Nine semester credit hours must be writing intensive (WI).
6. In addition to the major, minor and general education core curriculum requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to EDST 4681.
7. If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
8. All students seeking teacher certification must apply for and be admitted to the Educator Preparation Program in order to enroll in education coursework and student teaching in the Junior and Senior years. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236).
9. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.
10. For transfer students, 24 semester credit hours in biology, chemistry and physics (or their equivalents) may be transferred from a Texas public institution of higher education for the Biology Field of Study and be applied to the Bachelor of Science degree with a major in Biology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
BIO 1330	Functional Biology	3
TCCN: BIOL 1306		
BIO 1130	Functional Biology Laboratory	1
TCCN: BIOL 1106		
BIO 1331	Organismal Biology	3
TCCN: BIOL 1307		
BIO 1131	Organismal Biology Laboratory	1
TCCN: BIOL 1107		
CHEM 1341	General Chemistry I	3
TCCN: CHEM 1311		

CHEM 1141	General Chemistry Laboratory I	1
TCCN: CHEM 1111		
CHEM 1342	General Chemistry II	3
TCCN: CHEM 1312		
CHEM 1142	General Chemistry Laboratory II	1
TCCN: CHEM 1112		
CHEM 2341	Organic Chemistry I	3
TCCN: CHEM 2323		
CHEM 2141	Organic Chemistry Laboratory I	1
TCCN: CHEM 2123		
PHYS 1315	General Physics I	3
TCCN: PHYS 1301		
PHYS 1115	General Physics I Laboratory	1
TCCN: PHYS 1101		
Total Hours		24

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331 (Life & Physical Sciences Component Code 030)	3
BIO 1130	1	BIO 1131	1
CHEM 1141	1	CHEM 1142	1
CHEM 1341	3	CHEM 1342	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communica Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	COMM 1310 (Component Area Option Code 090/091)	3
	15		17

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
BIO 2450	4	BIO 2410	4	Summer I:	
CHEM 2141	1	CHEM 2142	1	ENG Literature (Component Area Option Code 090/094)	3
CHEM 2341	3	CHEM 2342	3	HIST 1320 (American History Component Code 060)	3
Mathematic Component Code 020[2]	3	Mathematic	3	Summer II:	
PHYS 1315 & PHYS 1115	4	PHYS 1325	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	PHYS 1125	1	POSI 2320 (Governmen Political Science Component Code 070)	3
	18		15		12

Junior

First Semester	Hours	Second Semester	Hours
BIO 2400 or 2411	4	BIO Advanced Electives	7
CI 3325	3	Social & Behavioral Sciences Component Code 080	3
BIO 4416	4	ENG 3303	3
CI 4332	3		
	14		13

Senior

First Semester	Hours	Second Semester	Hours
CI 4370	3	EDST 4681	6
BIO 4408 or 4305[1]	3-4		
CI 4343	3		
RDG 3323	3		
BIO 4301	3		
	15		6

Total Hours: 125

[1] Neither BIO 4305 nor BIO 4408 count as advanced electives in any other degree program in Biology.

[2] Math requirements may be satisfied by taking MATH 2321 and MATH 2328, or MATH 2321 and MATH 2331, or MATH 2471 and MATH 2472, or MATH 2471 and MATH 2328.

BIO Advanced Electives

Code	Title	Hours
BIO 3308	Global Ecology	
BIO 3406	Economic Botany	
BIO 4410	Field Biology of Plants	
BIO 4420	Natural History of the Vertebrates	
BIO 4421	Ornithology	
BIO 4422	Mammalogy	
BIO 4425	Biometry	
BIO 4434	Herpetology	
BIO 4446	Microbial Ecology	
BIO 4454	Plant Ecology	
BIO 4465	General Entomology	

Bachelor of Science (B.S.) Major in Microbiology

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The recommended minor is Chemistry or Biochemistry. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 120. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
7. For transfer students, 24 semester credit hours in biology, chemistry and physics (or their equivalents) may be transferred from a Texas public institution of higher education for the Biology Field of Study and be applied to the Bachelor of Science degree with a major in Microbiology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
BIO 1330	Functional Biology	3
TCCN: BIOL 1306		
BIO 1130	Functional Biology Laboratory	1
TCCN: BIOL 1106		
BIO 1331	Organismal Biology	3
TCCN: BIOL 1307		
BIO 1131	Organismal Biology Laboratory	1
TCCN: BIOL 1107		
CHEM 1341	General Chemistry I	3
TCCN: CHEM 1311		
CHEM 1141	General Chemistry Laboratory I	1
TCCN: CHEM 1111		
CHEM 1342	General Chemistry II	3
TCCN: CHEM 1312		
CHEM 1142	General Chemistry Laboratory II	1
TCCN: CHEM 1112		
CHEM 2341	Organic Chemistry I	3
TCCN: CHEM 2323		
CHEM 2141	Organic Chemistry Laboratory I	1
TCCN: CHEM 2123		
PHYS 1315	General Physics I	3
TCCN: PHYS 1301		
PHYS 1115	General Physics I Laboratory	1
TCCN: PHYS 1101		
Total Hours		24

Course Requirements

				Freshman	
	First Semester	**Hours**		**Second Semester**	**Hours**
BIO 1330 (Life & Physical Sciences Component Code 030)		3	BIO 1331 (Life & Physical Sciences Component Code 030)		3
BIO 1130		1	BIO 1131		1
CHEM 1141		1	CHEM 1142		1
CHEM 1341		3	CHEM 1342		3
US 1100		1	ENG 1320 (Communication Component Code 010)		3
ENG 1310 (Communication Component Code 010)		3	HIST 1310 (American History Component Code 060)		3
POSI 2310 (Government/ Political Science Component Code 070)		3			
		15			14
				Sophomore	
	First Semester	**Hours**		**Second Semester**	**Hours**
BIO 2450		4	BIO 2400		4
CHEM 2141		1	CHEM 2142		1
CHEM 2341		3	CHEM 2342		3

Mathematics Component Code 020[1]	3	Mathematics[1]	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		
	17		14

Junior

First Semester	Hours	Second Semester	Hours
BIO Advanced Electives[2]	8	BIO Advanced Electives[2,3]	3-4
PHYS 1315	3	PHYS 1325	3
PHYS 1115	1	PHYS 1125	1
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	COMM 1310 (Component Area Option Code 090/091)	3
		BIO 3421, 4441, or 4447[3]	4
	15		14

Senior

First Semester	Hours	Second Semester	Hours
BIO Advanced Electives[2,3]	3-4	BIO 4416	4
Minor/Advanced Electives	9-10	BIO 4301	3
Social & Behavioral Sciences Component Code 080	3	Minor/Advanced Electives	1-2
		ENG Literature (Component Area Option Code 090/094)	3
		Electives	5-6
	15		16

Total Hours: 120

1 Mathematics requirements may be satisfied by taking MATH 2321 and MATH 2328, or MATH 2471 and MATH 2328, or MATH 2321 and MATH 2331, or MATH 2471 and MATH 2472.

2 Fifteen hours of advanced BIO electives are required of which 11-12 hours must be chosen from: BIO 3430 (fall), BIO 3442, BIO 4326/BIO 4126, BIO 4350R (spring), BIO 4366/BIO 4166, BIO 4446 (spring), BIO 4447 (fall), BIO 4448 (spring), BIO 4480 (fall), or BIO 4413 (fall) Junior year - 2nd Semester.

3 BIO 4447 can only be used to satisfy the physiology requirement or the advanced microbiology course requirement, but not both.

Bachelor of Science (B.S.) Major in Microbiology (Pre-Dental Concentration)

Minimum required: 120-125 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The recommended minor is Chemistry or Biochemistry. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 120. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
7. For transfer students, 24 semester credit hours in biology, chemistry and physics (or their equivalents) may be transferred from a Texas public institution of higher education for the Biology Field of Study and be applied to the Bachelor of Science degree with a major in Biology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
BIO 1330	Functional Biology	3
TCCN: BIOL 1306		
BIO 1130	Functional Biology Laboratory	1
TCCN: BIOL 1106		
BIO 1331	Organismal Biology	3
TCCN: BIOL 1307		
BIO 1131	Organismal Biology Laboratory	1
TCCN: BIOL 1107		
CHEM 1341	General Chemistry I	3
TCCN: CHEM 1311		
CHEM 1141	General Chemistry Laboratory I	1
TCCN: CHEM 1111		
CHEM 1342	General Chemistry II	3
TCCN: CHEM 1312		
CHEM 1142	General Chemistry Laboratory II	1
TCCN: CHEM 1112		
CHEM 2341	Organic Chemistry I	3
TCCN: CHEM 2323		
CHEM 2141	Organic Chemistry Laboratory I	1
TCCN: CHEM 2123		
PHYS 1315	General Physics I	3
TCCN: PHYS 1301		
PHYS 1115	General Physics I Laboratory	1
TCCN: PHYS 1101		
Total Hours		24

Course Requirements

		Freshman	
First Semester	**Hours**	**Second Semester**	**Hours**
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331 (Life & Physical Sciences Component Code 030)	3
BIO 1130 (Life & Physical Sciences Component Code 030)	1	BIO 1131 (Life & Physical Sciences Component Code 030)	1
CHEM 1141	1	CHEM 1142	1
CHEM 1341	3	CHEM 1342	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3		
	15		14
		Sophomore	
First Semester	**Hours**	**Second Semester**	**Hours**
BIO 2450	4	BIO 2400	4
CHEM 2141	1	CHEM 2142	1
CHEM 2341	3	CHEM 2342	3
Mathematics Component Code 020[1]	3	Mathematics[1]	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
Select one of the following: (Creative Arts Component Code 050)	3		
ART 2313			
DAN 2313			
MU 2313			
TH 2313			
	17		14
		Junior	
First Semester	**Hours**	**Second Semester**	**Hours**
BIO Advanced Elective [2]	8	BIO Advanced Physiology[2]	3-4
PHYS 1315	3	PHYS 1325	3
PHYS 1115	1	PHYS 1125	1
PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3	COMM 1310 (Component Area Option Code 090/091)	3
		BIO 3421	4
	15		14-15
		Senior	
First Semester	**Hours**	**Second Semester**	**Hours**
BIO Advanced Electives[2]	3-4	BIO 4301	3
Minor/Advanced Electives[5]	9-10	BIO 4416	4
PSY 1300 (Social & Behavioral Sciences Component Code 080)	3	Minor/Advanced Electives[4]	1-2
		English Literature[5]	3
		Electives	5-6
	15-17		16-18

Total Hours: 120-125

1 Mathematics requirements may be satisfied by taking MATH 2321 and MATH 2328, or MATH 2471 and MATH 2328.

2 Fifteen hours of advanced BIO electives are required of which 11-12 house must be chosen from: BIO 3430 (fall), BIO 3442, BIO 4326/BIO 4126, BIO 4350R (spring), BIO 4447 (fall), BIO 4448 (spring), BIO 4480 (fall), or BIO 4413 (fall) Junior year - 2nd Semester.

Bachelor of Science (B.S.) Major in Microbiology (Pre-Medical Concentration)

Minimum required: 120-125 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The recommended minor is Chemistry or Biochemistry. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 120. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
7. For transfer students, 24 semester credit hours in biology, chemistry and physics (or their equivalents) may be transferred from a Texas public institution of higher education for the Biology Field of Study and be applied to the Bachelor of Science degree with a major in Microbiology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
BIO 1330	Functional Biology	3
TCCN: BIOL 1306		

BIO 1130	Functional Biology Laboratory	1
TCCN: BIOL 1106		
BIO 1331	Organismal Biology	3
TCCN: BIOL 1307		
BIO 1131	Organismal Biology Laboratory	1
TCCN: BIOL 1107		
CHEM 1341	General Chemistry I	3
TCCN: CHEM 1311		
CHEM 1141	General Chemistry Laboratory I	1
TCCN: CHEM 1111		
CHEM 1342	General Chemistry II	3
TCCN: CHEM 1312		
CHEM 1142	General Chemistry Laboratory II	1
TCCN: CHEM 1112		
CHEM 2341	Organic Chemistry I	3
TCCN: CHEM 2323		
CHEM 2141	Organic Chemistry Laboratory I	1
TCCN: CHEM 2123		
PHYS 1315	General Physics I	3
TCCN: PHYS 1301		
PHYS 1115	General Physics I Laboratory	1
TCCN: PHYS 1101		
Total Hours		24

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331 (Life & Physical Sciences Component Code 030)	3
BIO 1130 (Life & Physical Sciences Component Code 030)	1	BIO 1131 (Life & Physical Sciences Component Code 030)	1
CHEM 1141	1	CHEM 1142	1
CHEM 1341	3	CHEM 1342	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3		
	15		14

Sophomore

First Semester	Hours	Second Semester	Hours
BIO 2450	4	BIO 2400	4
CHEM 2141	1	CHEM 2142	1
CHEM 2341	3	CHEM 2342	3
Mathematics (Component Code 020)[1]	3	Mathematics (Component Code 020)[1]	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
Select one of the following: (Creative Arts Component Code 050)	3		
ART 2313			
DAN 2313			
MU 2313			
TH 2313			
	17		14

Junior

First Semester	Hours	Second Semester	Hours
BIO Advanced Elective [2,3]	8	BIO Advanced Electives[2,3]	3-4
PHYS 1315	3	PHYS 1325	3
PHYS 1115	1	PHYS 1125	1
PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3	COMM 1310 (Component Area Option Code 090/091)	3
		BIO 3421	4
	15		14-15

Senior

First Semester	Hours	Second Semester	Hours
BIO Advanced Electives[2,3]	3-4	BIO 4301	3
Minor/Advanced Electives[5]	9-10	BIO 4416	4
PSY 1300 (Social & Behavioral Sciences Component Code 080)	3	Minor/Advanced Electives[4]	1-2
		ENG Literature (Compnent Area Option Code 090/094)[5]	3
		Electives[4]	5-6
	15-17		16-18

Total Hours: 120-125

1 Mathematics requirements may be satisfied by taking MATH 2321 and MATH 2328, or MATH 2471 and MATH 2328.

2 Fifteen hours of advanced BIO electives are required of which 11-12 house must be chosen from: BIO 3430 (fall), BIO 3442, BIO 4326/BIO 4126, BIO 4350R (spring), BIO 4366/BIO 4166, BIO 4446 (spring), BIO 4447 (fall), BIO 4448 (spring), BIO 4480 (fall), or BIO 4413 (fall) Junior year - 2nd Semester.

Bachelor of Science (B.S.) Major in Microbiology (Pre-Physician Assistant Concentration)

Minimum required: 120-124 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this

catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The recommended minor is Chemistry or Biochemistry. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 121. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 121 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
7. For transfer students, 24 semester credit hours in biology, chemistry and physics (or their equivalents) may be transferred from a Texas public institution of higher education for the Biology Field of Study and be applied to the Bachelor of Science degree with a major in Microbiology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
BIO 1330	Functional Biology	3
TCCN: BIOL 1306		
BIO 1130	Functional Biology Laboratory	1
TCCN: BIOL 1106		
BIO 1331	Organismal Biology	3
TCCN: BIOL 1307		
BIO 1131	Organismal Biology Laboratory	1
TCCN: BIOL 1107		
CHEM 1341	General Chemistry I	3
TCCN: CHEM 1311		
CHEM 1141	General Chemistry Laboratory I	1
TCCN: CHEM 1111		
CHEM 1342	General Chemistry II	3
TCCN: CHEM 1312		
CHEM 1142	General Chemistry Laboratory II	1
TCCN: CHEM 1112		
CHEM 2341	Organic Chemistry I	3
TCCN: CHEM 2323		
CHEM 2141	Organic Chemistry Laboratory I	1
TCCN: CHEM 2123		
PHYS 1315	General Physics I	3
TCCN: PHYS 1301		
PHYS 1115	General Physics I Laboratory	1
TCCN: PHYS 1101		
Total Hours		24

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331 (Life & Physical Sciences Component Code 030)	3
BIO 1130 (Life & Physical Sciences Component Code 030)	1	BIO 1131 (Life & Physical Sciences Component Code 030)	1
CHEM 1141	1	CHEM 1142	1
CHEM 1341	3	CHEM 1342	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communication Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3		
	15		14

Sophomore

First Semester	Hours	Second Semester	Hours
BIO 2450	4	BIO 2400	4
CHEM 2141	1	CHEM 2142	1
CHEM 2341	3	CHEM 2342	3
Mathematics (Component Code 020)[1]	3	Mathematics (Component Code 020)[1]	3
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
Select one of the following: (Creative Arts Component Code 050)	3		
ART 2313			
DAN 2313			
MU 2313			
TH 2313			
	17		14

Junior

First Semester	Hours	Second Semester	Hours
BIO Advanced Elective [2]	8	BIO Advanced Electives[2]	3-4
PHYS 1315	3	PHYS 1325	3
PHYS 1115	1	PHYS 1125	1
PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3	COMM 1310 (Component Area Option Code 090/091)	3
		BIO 3421	4
	15		14-15

Senior

First Semester	Hours	Second Semester	Hours
BIO 4464	4	BIO 4301	3
Minor/Advanced Electives[5]	8-9	BIO 4416	4

PSY 1300 (Social & Behavioral Sciences Component Code 080)	3 Minor/Advanced Electives[4]	1-2
	English Literature[5]	3
	Electives[4]	5-6
15-16		16-18

Total Hours: 120-124

1 Mathematics requirements may be satisfied by taking MATH 2321 and MATH 2328, or MATH 2471 and MATH 2328.

2 Eleven hours of advanced BIO electives are required of which 11-12 house must be chosen from: BIO 3430 (fall), BIO 3442, BIO 4326/BIO 4126, BIO 4350R (spring), BIO 4366/BIO 4166, BIO 4446 (spring), BIO 4447 (fall), BIO 4448 (spring), BIO 4480 (fall), or BIO 4413 (fall) Junior year - 2nd Semester.

Bachelor of Science (B.S.) Major in Wildlife Biology

Minimum required: 127 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. The minimum number of hours required for this degree program is 127. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 127 total or 36 advanced hours.
4. Nine semester credit hours must be writing intensive (WI).
5. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
6. This Bachelor of Science degree plan includes courses in preparation for The Wildlife Society certification as a Wildlife Biologist, but does not require a minor.
7. For transfer students, 24 semester credit hours in biology, chemistry and physics (or their equivalents) may be transferred from a Texas public institution of higher education for the Biology Field of Study and be applied to the Bachelor of Science degree with a major in Wildlife Biology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
BIO 1330	Functional Biology	3
TCCN: BIOL 1306		
BIO 1130	Functional Biology Laboratory	1
TCCN: BIOL 1106		
BIO 1331	Organismal Biology	3
TCCN: BIOL 1307		
BIO 1131	Organismal Biology Laboratory	1
TCCN: BIOL 1107		
CHEM 1341	General Chemistry I	3
TCCN: CHEM 1311		
CHEM 1141	General Chemistry Laboratory I	1
TCCN: CHEM 1111		
CHEM 1342	General Chemistry II	3
TCCN: CHEM 1312		
CHEM 1142	General Chemistry Laboratory II	1
TCCN: CHEM 1112		
CHEM 2341	Organic Chemistry I	3
TCCN: CHEM 2323		
CHEM 2141	Organic Chemistry Laboratory I	1
TCCN: CHEM 2123		
PHYS 1315	General Physics I	3
TCCN: PHYS 1301		
PHYS 1115	General Physics I Laboratory	1
TCCN: PHYS 1101		
Total Hours		24

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331 (Life & Physical Sciences Component Code 030)	3
BIO 1130	1	BIO 1131	1
CHEM 1141	1	CHEM 1142	1
CHEM 1341	3	CHEM 1342	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communica Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
POSI 2310 (Government/ Political Science Component Code 070)	3		
	15		14

Sophomore

First Semester	Hours	Second Semester	Hours
BIO 2450	4	BIO 2411	4
CHEM 2130	1	PHYS 1315 & PHYS 111	4
CHEM 2330	3	MATH 2328	3
MATH 2321 (Mathemati Component Code 020)	3	ENG Literature (Component Area Option Code 090/094)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
HIST 1320 (American History Component Code 060)	3		
	17		17

Junior

First Semester	Hours	Second Semester	Hours	Summer	Hours
BIO 2410	4	BIO Advanced Physiology [2]	4	Summer I:	
BIO Advanced Elective[1]	4	BIO Advanced Electives[1]	4	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
BIO 4416	4	BIO Advanced Electives[3]	3	Social & Behavioral Sciences Component Code 080	3
COMM 131((Component Area Option 090/091)	3	ENG 3303	3	Summer II:	
				BIO Advanced Electives[4]	4
	15		14		10

Senior

First Semester	Hours	Second Semester	Hours
BIO 4304[5]	3	BIO 4301	3
BIO Advanced Electives[4]	4	BIO 4425	4
BIO 4423	4	BIO 4435	4
		BIO 4319 or 4350U[6]	3
	11		14

Total Hours: 127

1 Choose two Advanced Biology electives from: BIO 3406 (Fall or Spring), BIO 3461 (Spring), BIO 4400 (Fall or Spring, BIO 4410 (Fall/ Summer I) or BIO 4454 (Spring).

2 Choose one Advanced Physiology course from: BIO 3421 (Fall or Spring), BIO 4455 (Fall), or BIO 4441 (Spring).

3 Choose one Advanced Biology elective from: BIO 4421 (Spring) or BIO 4418 (Summer I) or BIO 4350I (Fall).

4 Choose two Advanced Biology electives from: BIO 4420 (Summer I), BIO 4422 (Fall), BIO 4434 (Spring) or BIO 4324 (Summer I).

5 Choose one course from: BIO 4304 (Fall), BIO 4350M (Fall), or BIO 4350U (Spring) or BIO 4331 (Fall).

6 BIO 4350U may satisfy only one degree course requirement.

Minor in Biology

The minor in Biology requires 29 semester credit hours. A grade of "C" or higher is required in all prerequisite courses.

Code	Title	Hours
Required Courses		
BIO 1130	Functional Biology Laboratory	1
BIO 1131	Organismal Biology Laboratory	1
BIO 1330	Functional Biology	3
BIO 1331	Organismal Biology	3
BIO 2450	Genetics	4
Choose 9 hours of advanced BIO courses [1]		9
CHEM 1141	General Chemistry Laboratory I	1
CHEM 1142	General Chemistry Laboratory II	1
CHEM 1341	General Chemistry I	3
CHEM 1342	General Chemistry II	3
Total Hours		29

1 Not to include BIO 3351, BIO 4299, BIO 4305, BIO 4402, BIO 4403, or BIO 4408.

Second Teaching Field in Life Sciences (7-12)

For students who are seeking a teacher certification within their major and would like a second teaching field in Life Science, the requirements are:

Code	Title	Hours
BIO 1330 & BIO 1130	Functional Biology and Functional Biology Laboratory	4
BIO 1331 & BIO 1131	Organismal Biology and Organismal Biology Laboratory	4
BIO 2410	Intermediate General Botany	4
BIO 2450	Genetics	4
BIO 4408	Science Processes and Research	4
BIO 4416	General Ecology	4
or BIO 4454	Plant Ecology	
CHEM 1341 & CHEM 1141	General Chemistry I and General Chemistry Laboratory I	4
CHEM 1342 & CHEM 1142	General Chemistry II and General Chemistry Laboratory II	4
Total Hours		32

All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Department of Chemistry and Biochemistry

Chemistry Building Room 238
T: 512-245-2156 F: 512-245-2374
www.txstate.edu/chemistry (http://www.txstate.edu/chemistry)

Chemistry is the central science and the study of chemistry provides the essential knowledge needed to address many of society's most pressing needs, such as feeding, clothing, and housing the peoples of the world; tapping new sources of energy; improving health and conquering disease; providing renewable substitutes for dwindling resources; strengthening our national security; and monitoring and protecting our environment. Basic research in chemistry will help future generations address their evolving needs and ensure a higher quality of life.

Chemists and biochemists can work in almost any field and find careers in teaching, research, production, quality control, technical services, and/or sales. Graduates from the Department of Chemistry and Biochemistry have an excellent record of job placement in industrial, academic, and government positions. Many also seek advanced degrees or pursue careers in medicine, dentistry, or pharmacy.

Chemistry and biochemistry majors gain skills in quantitative thinking and problem solving. Majors can work as laboratory instructors and supplemental instructors for lower division courses or as research assistants in faculty research laboratories. Students often participate in internships and research programs both on and off campus during the summer. The faculty, facilities, library holdings, and chemistry curriculum of the Department of Chemistry and Biochemistry have been accredited by the American Chemical Society. Recipients of a B.S. major in Chemistry or B.S. major in Biochemistry who have fulfilled the minimum requirements for professional chemists are awarded certificates by the American Chemical Society. Receipt of the ACS certificate is recommended as preparatory training for work in industry or for continued graduate studies in chemistry or biochemistry. The Biochemistry program is accredited by the American Society for Biochemistry and Molecular Biology and recipients of a B.S. major in Biochemistry are awarded an ASBMB-certified degree upon successful completion of a scored examination. Students completing the B.S. major in Chemistry or Biochemistry with a concentration in Pre-Pharmacy will be prepared for future professional studies in Pharmacy.

Students seeking a B.S. major in Chemistry begin their studies taking foundation courses in chemistry, physics and mathematics. After completion of the foundation courses, students take advanced courses and laboratories in physical chemistry, analytical chemistry, inorganic chemistry and organic chemistry. A minor is required for this degree.

Students seeking a B.S. major in Biochemistry begin their studies taking foundation courses in chemistry, biology, physics and mathematics. After completion of the foundation courses, students take advanced courses and laboratories to gain knowledge and experience in the modern techniques of biochemistry and molecular genetics. The Biochemistry curriculum meets the standards set by the American Society for Biochemistry and Molecular Biology. A minor is required for this degree.

Qualified chemistry or biochemistry majors completing their junior year of chemistry courses who plan to pursue advanced studies have the opportunity to complete both B.S. and M.S. degrees with one additional year of course work and research after receipt of a B.S. degree. Students must be active in undergraduate research prior to their senior year to be eligible for the program.

Pharmacy

Pharmacy is a professional program leading to a Doctor of Pharmacy (Pharm.D.) degree. The B.S. in Chemistry or Biochemistry with a Pre-Pharmacy concentration provides students with a strong foundation for future studies and includes prerequisite coursework required in order to apply to the professional programs in Pharmacy. The eight Pharmacy schools in Texas (Texas A&M Health Science Center Irma Lerma Rangel College of Pharmacy, Texas Southern University College of Pharmacy and Health Sciences, Texas Tech University Health Sciences Center School of Pharmacy, The University of Texas at Austin College of Pharmacy, The University of Texas at Tyler Ben and Maytee Fisch College of Pharmacy, University of Houston College of Pharmacy, University of the Incarnate Word Feik School of Pharmacy, and University of North Texas Health Science Center College of Pharmacy) all require prerequisite courses in chemistry, biology, math, physics, English, humanities and social sciences. Some requirements vary by professional school so it is imperative that pre-pharmacy students consult with a pre-pharmacy advisor prior to and during completion of their major at Texas State.

Teacher Certification

Students may earn either a Chemistry (Grades 7-12) or Physical Science (Grades 6-12) certification in Texas, while pursuing a B.S. major in Chemistry. Initial or additional certification may also be acquired as a post-baccalaureate or graduate student. Students interested in certification are strongly encouraged to see the Science Advisor early in their undergraduate program or certification process.

Bachelor of Science (B.S.)

- Major in Biochemistry (p. 621)
- Major in Biochemistry (American Chemical Society approved program) (p. 622)
- Major in Biochemistry (Pre-Dental Concentration) (p. 622)
- Major in Biochemistry (Pre-Medical Concentration) (p. 623)
- Major in Biochemistry (Pre-Pharmacy Concentration) (p. 624)
- Major in Chemistry (p. 625)
- Major in Chemistry (Pre-Dental Concentration) (p. 626)
- Major in Chemistry (Pre-Medical Concentration) (p. 627)
- Major in Chemistry (Pre-Pharmacy Concentration) (p. 628)
- Major in Chemistry (Teacher Certification in Chemistry, Grades 7-12) (p. 630)
- Major in Chemistry (Teacher Certification in Physical Science, Grades 6-12) (p. 631)

Bachelor of Science (B.S.) and Master of Science (M.S.)

- Major in Biochemistry (Early-Entry Program) (p. 632)
- Major in Chemistry (Early-Entry Program) (p. 632)

Minors

- Biochemistry (p. 632)
- Chemistry (p. 633)
- Second Teaching Field in Chemistry (Grades 7-12) (p. 633)

Courses in Chemistry (CHEM)

CHEM 1141. General Chemistry Laboratory I.
First of two laboratory courses in general chemistry for science-related majors. Course introduces the students to the basics of experimental measurements, including density, separation techniques, formula determinations, titrations, thermodynamics, gas laws, and descriptive chemistry. Corequisites: CHEM 1310 or CHEM 1335 or CHEM 1341 any with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHEM 1111
Course Fee: $6; Fee - Lab CHEM

CHEM 1142. General Chemistry Laboratory II.
Second of two laboratory courses in general chemistry. Laboratory techniques are emphasized, and applied to both qualitative and quantitative analysis. Prerequisites: CHEM 1141 and CHEM 1341 both with grades of "D" or better. Corequisite: CHEM 1342 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHEM 1112
Course Fee: $6; Fee - Lab CHEM

CHEM 1310. Introductory Chemistry for Non-Science Majors.
A one semester principles course for students in non-science related majors. Course covers the major concepts of chemistry and the role of chemistry in contemporary society. Students will not receive credit for both CHEM 1310 and CHEM 1341.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: CHEM 1305

CHEM 1330. Chemistry for Non-Science Majors.
This is the second of two lecture courses for non-science majors. The course surveys organic and biochemistry and current topics which may include energy-related topics, nuclear chemistry, environmental chemistry, medicinal chemistry, and synthetic and natural polymers. Prerequisite: CHEM 1310 or CHEM 1341 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: CHEM 1307

CHEM 1335. Engineering Chemistry.
This one semester lecture course is tailored to engineering students. Topics include stoichiometry, gases, chemical bonding and structure, periodic trends, materials, energy, kinetics, equilibrium, electrochemistry and nuclear chemistry. Course is a stand-alone course and does not serve as a prerequisite to any courses currently requiring CHEM 1341 as a prerequisite. Prerequisite: MATH 1315 or MATH 2417 or MATH 2471 any with a grade of "C" or better or ACT Mathematics score of 24 or better or SAT Mathematics score of 550 or better or Accuplacer College Mathematics score of 86 or better or Compass College Algebra score of 46 or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: CHEM 1309

CHEM 1341. General Chemistry I.
Initial lecture course in general chemistry for science-related majors, covering atomic and molecular structure, bonding, states of matter, solutions, and descriptive chemistry. Students will not receive credit for both CHEM 1310 and CHEM 1341. Prerequisites: MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 any with a grade of "C" or better or ACT Mathematics score of 24 or better or SAT Mathematics score of 550 or better or Accuplacer College Mathematics score of 86 or better or Compass College Algebra score of 46 or better. Corequisites: MATH 2417 or MATH 2471 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: CHEM 1311

CHEM 1342. General Chemistry II.
Second of two lecture courses in general chemistry for science-related majors, covering equilibrium processes, acid-base chemistry, and kinetics, and electrochemistry. A basic knowledge of algebra is needed. Prerequisite: CHEM 1341 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: CHEM 1312

CHEM 2130. Laboratory Technique in Organic Chemistry.
An optional laboratory to accompany CHEM 2330, covers experimental techniques of preparation, purification, and determination of physical and chemical properties of organic compounds. Prerequisites: CHEM 1142 and CHEM 1342 both with grades of "D" or better. Corequisite: CHEM 2330 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 2141. Organic Chemistry Laboratory I.
This laboratory introduces the student to the general techniques of organic chemistry. Prerequisites: CHEM 1342 with a grade of "C" or better and CHEM 1142 with a grade of "D" or better. Corequisite: CHEM 2341 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHEM 2123
Course Fee: $6; Fee - Lab CHEM

CHEM 2142. Organic Chemistry Laboratory II.
This laboratory involves the study of typical organic reactions. Prerequisites: CHEM 2341 with a grade of "C" or better and CHEM 2141 with a grade of "D" or better. Corequisite: CHEM 2342 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHEM 2125
Course Fee: $6; Fee - Lab CHEM

CHEM 2150. Biochemistry & Metabolism Lab.
An optional laboratory to accompany CHEM 2350. This laboratory examines the physical properties and chemistry of carbohydrates, amino acids, proteins, lipids and nucleotides. Course is designed for students majoring in nutrition, clinical laboratory science and agriculture. Prerequisites: [CHEM 2130 and CHEM 2330] or [CHEM 2142 and CHEM 2342] any with a grade of "D" or better. Corequisites: CHEM 2350 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 2330. Fundamentals of Organic Chemistry.
A one-semester course which covers nomenclature, structure and reactions of organic compounds with an introduction to bioorganic molecules. Course is designed for students majoring in nutrition, clinical laboratory sciences and agriculture. Prerequisites: CHEM 1142 and CHEM 1342 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 2341. Organic Chemistry I.
This course covers the nomenclature, reactions and reaction mechanisms of the hydrocarbons and the alkyl halides. Prerequisites: CHEM 1342 with a grade of “C” or better. Corequisite: CHEM 1142 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHEM 2323

CHEM 2342. Organic Chemistry II.
This course covers the nomenclature, reactions and reaction mechanisms of the major functional groups. Prerequisite: CHEM 2341 with a grade of “C” or better. Corequisite: CHEM 2141 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHEM 2325

CHEM 2350. Biochemistry & Metabolism.
A one-semester study of carbohydrate, proteins, lipids and nucleotides which presents both structure and intermediary metabolism along with an introduction to the function of enzymes and coenzymes. Course is designed for students majoring in nutrition, clinical laboratory science and agriculture. Prerequisites: [CHEM 2130 and CHEM 2330] or [CHEM 2142 and CHEM 2342] any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 3245. Physical Chemistry Laboratory.
Experiments illustrating principles and methods of physical chemistry are performed. Written reports on the experiments are prepared. (WI) Prerequisites: CHEM 3330 with a grade of “C” or better and CHEM 3410 with a grade of "D" or better. Corequisites: CHEM 3340 with a grade of "D" or better.
2 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 3276. Experimental Biochemistry.
Course introduces biochemistry minors to the fundamental techniques used in modern biochemistry. Experiments use the essential techniques employed in the study of proteins, enzymes and nucleic acids with emphasis on the use of modern instrumentation and the manipulation and analysis of experimental data. Prerequisites: CHEM 3375 or CHEM 4375 either with a grade of “C” or better.
2 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CHEM 3330. Physical Chemistry I.
The course covers principles of thermodynamics and thermochemistry, phase equilibria, electrochemistry and elementary kinetics including rate laws and mechanisms. Prerequisites: CHEM 1142 with a grade of "D" or better and CHEM 1342 and MATH 2472 both with grades of “C” or better.
3 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 3340. Physical Chemistry II.
The course covers kinetics, quantum mechanics, spectroscopy, and other selected topics. Prerequisites: CHEM 3330 and MATH 2472 and PHYS 2425 all with grades of "C" or better.
3 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 3341. Descriptive Inorganic Chemistry.
An analysis of atomic, molecular, and solid state bonding and structure with an emphasis on coordination compounds and bioinorganic chemisry. Representative compounds and reactions of the elements will be surveyed. Prerequisite: CHEM 2342 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 3375. Principles of Biochemistry.
Course provides biochemistry majors and minors with a rigorous introduction to biochemistry. Topics include the chemical function and structure of proteins, nucleic acids, lipids and carbohydrates; enzyme mechanisms, kinetics and regulation. Prerequisites: CHEM 2342 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 3380. Analytical Biochemistry.
This course is designed to acquaint the student with the chemical and physical principles of modern biochemical methods. Emphasis is placed upon the application of the methods to current problems in biochemistry and molecular biology and the interpretation of data. Prerequisite: CHEM 3375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 3381. Biochemistry Techniques.
Course introduces biochemistry majors to techniques in analytical and physical biochemistry. Experiments reinforce fundamental concepts and utilize modern instrumentation. Experimental design, interpretation of results, and data reporting will be emphasized. (WI) Prerequisites: CHEM 3375 with a grade of "C" or better. Corequisite: CHEM 3380 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CHEM 3390. Physical Chemistry for Biochemists.
A study of the theories and laws of physical chemistry as it relates to biochemistry. The topics covered include ideal and real gases, classical thermodynamics, reaction kinetics, phase equilibria, electrochemistry, quantum mechanics, spectroscopy and statistical mechanics. Prerequisite: MATH 2472 with a grade of "C" or better. Corequisite: PHYS 1430 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 3410. Quantitative Analysis.
Course covers the general theory and practice of typical methods of gravimetric and volumetric analysis, satisfies the quantitative analysis requirements for chemistry majors, minors, pre-medical and pharmacy students. Prerequisites: CHEM 1342 with a grade of "C" or better and CHEM 1142 with a grade of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 4231. Advanced Laboratory I.
An advanced integrated lab illustrating a variety of chemical techniques for the preparation, characterization and analysis of organic and inorganic materials. (WI) Prerequisites: CHEM 3245 and CHEM 3340 and CHEM 3410 all with grades of "D" or better. Corequisites: CHEM 4331 with a grade of "D" or better.
2 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 4241. Advanced Laboratory II.
An advanced integrated lab illustrating a variety of chemical techniques for the preparation, characterization and analysis of inorganic and organic materials. (WI) Prerequisites: CHEM 4231 and CHEM 4331 both with grades of "D" or better. Corequisite: CHEM 4341 with a grade of "D" or better.
2 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 4295. Laboratory Development and Practice.
This course develops the laboratory instructional abilities of students seeking either 8-12 Chemistry or 8-12 Physical Science Teaching Certification. Topics include both traditional laboratory techniques and guided inquiry techniques, safety, laboratory management, pedagogical theory and practical knowledge of laboratory experiments. Prerequisite: Minimum 2.5 Overall GPA.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 4299. Undergraduate Research.
This course is available to undergraduate chemistry or biochemistry majors only. It may be repeated for credit but a maximum of four semester hours from this course are applicable toward advanced chemistry electives. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

CHEM 4310. Medicinal Chemistry.
This course surveys modern approaches to drug discovery and mechanisms of drug action with the focus on molecular structures of drugs. Examples of drug discovery for the chemotherapy of cancer, microbial and cardiovascular diseases will be examined. Prerequisites: [CHEM 2342 and CHEM 2350] or CHEM 3375 or CHEM 4375 any with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4312. Organometallic Chemistry.
This course will survey the structure, bonding, and reactivity of organometallic complexes. Homogeneous catalysis of the transition metals as well as the main group elements along with specialized "seminal research papers" in the field of organometallic chemistry will also be presented. Prerequisites: CHEM 2342 and CHEM 3341 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4331. Instrumental Analysis.
The theory and methodology associated with the quantitative analysis of materials, i.e., electronics, spectroscopy, electrochemistry and chromatography are presented. Prerequisite: CHEM 3340 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4333. Spectroscopy.
The study of various spectrometric techniques in qualitative and structural analysis of chemical substances. Prerequisite: CHEM 2342 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4341. Advanced Inorganic Chemistry.
This course will use group theory analysis to predict vibrational spectra and bonding in molecules, including metal complexes. Numerous approaches (aciid/base, redox, etc.) will be employed to rationalize the products of inorganic and organometallic reactions. The materials properties of solids and nanomaterials will also be discussed. Prerequisites: CHEM 3340 and CHEM 3341 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4350. Modern Molecular Modeling.
A study of the application of computational techniques to molecular modeling. Topics covered include quantum mechanical modeling, forcefield based molecular modeling, molecular energy minimization, molecular dynamics, vibrational spectra, solution of crystalline structures, diffraction patterns, molecular blends, phase equilibria, crystal morphology, physical property prediction and mesoscale modeling. Prerequisite: CHEM 3340 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4351. Introduction to Polymers.
This course is designed to develop the student's general understanding of polymer history and importance as well as terminology, structure, and synthesis. The overall scope of the course will be to develop the student's general knowledge of polymer synthesis and structure. Prerequisite: CHEM 2342 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4360. Molecular Biology.
This course provides Biochemistry majors and minors with advanced knowledge of the field of molecular biochemistry. Topics include gene expression (transcription and translation of genes in bacteria and higher organisms), post-translational modification of proteins, chromosomal DNA replication, cell cycle checkpoint controls, DNA damage and repair, as well as theories of cancer and aging. Prerequisite: CHEM 3375 or CHEM 4375 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4371. Directed Study.
Independent study on a particular subject area in chemistry or biochemistry. The specific study area, resource material, goals, and achievements will be approved by the instructor. Prerequisites: CHEM 2342 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CHEM 4375. Biochemistry.
Course provides Chemistry majors and minors with an overview of biochemistry topics. Topics include a description of the structure and function of proteins, enzymes, nucleic acids, lipids and carbohydrates. Students may not receive credit for both CHEM 3375 and CHEM 4375. Prerequisites: CHEM 2342 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4382. Advanced Biochemistry Research Laboratory II.
This course is the second of two laboratory courses providing instruction in the modern techniques of biochemistry. Students will perform independent research projects involving isolation, manipulation and characterization of biomolecules. Results of these experiments and the scientific literature investigations will be used to prepare formal written reports and oral presentations. Prerequisite: CHEM 4481 with a grade of "C" or better. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CHEM 4385. Metabolism.
A study of the biodegradation and biosynthesis of carbohydrates, lipids, amino acids, proteins, and nucleic acids. Prerequisite: CHEM 3375 or CHEM 4375 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4390. Supramolecular Chemistry.
This course is designed to be a survey of the nature of non-covalent interactions between host and guest species. Emphasis will be focused on the rational design of hosts, themodynamic and kinetic parameters involved in binding and the applications of various binding/recognition phenomena. Prerequisite: CHEM 2342 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CHEM 4481. Advanced Biochemistry Lab I.
The first of two laboratory courses providing instruction in the modern techniques of biochemistry. Experiments are performed on the isolation, manipulation and characterization of DNA, RNA and proteins. Students will prepare formal written reports and oral presentations. (WI) Prerequisites: CHEM 3381 with a grade of "C" or better and CHEM 3380 with a grade of "D" or better.
4 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

Bachelor of Science (B.S.) Major in Biochemistry

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The recommended minor is Biology. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

		Freshman	
First Semester	**Hours**	**Second Semester**	**Hours**
CHEM 1141	1	CHEM 1142	1
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3
BIO 1130	1	BIO 1131	1
BIO 1330	3	BIO 1331	3
US 1100	1	MATH 2471 (Mathematics Component Code 020)	4
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3		
	15		15
		Sophomore	
First Semester	**Hours**	**Second Semester**	**Hours**
CHEM 2141	1	CHEM 2142	1
CHEM 2341	3	CHEM 2342	3
MATH 2472	4	BIO 2450	4
PHYS 1430	4	PHYS 2425	4
ENG Literature (Component Area Option Code 090/094)	3	COMM 1310 (Component Area Option Code 090/091)	3
	15		15
		Junior	
First Semester	**Hours**	**Second Semester**	**Hours**
CHEM 3375	3	CHEM 3380	3
CHEM 3390	3	CHEM 3381	3
BIO 2400	4	HIST 1320 (American History Component Code 060)	3
HIST 1310 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	Social & Behavioral Sciences Component Code 080	3
	16		15
		Senior	
First Semester	**Hours**	**Second Semester**	**Hours**
CHEM 4360	3	CHEM 4385	3
CHEM 4481	4	CHEM 4382	3
Minor Advanced Elective	3	Minor Advanced Elective	3
Minor Advanced Elective	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Free Elective	2	Advanced Elective	2
	15		14

Total Hours: 120

Bachelor of Science (B.S.) Major in Biochemistry (American Chemical Society approved program)

Minimum required: 121 semester credit hours

General Requirements

1. This Bachelor of Science (B.S.) degree with a major in Biochemistry will be certified as approved by the American Chemical Society (ACS). The ACS approved program provides external validation for the curriculum, faculty and resources in the Department of Chemistry and Biochemistry that will certify to potential employers that the department and curriculum has met certain industry standards, and thus should increase the student's marketable skills.
2. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The recommended minor is Biology. Minor and electives should be chosen in consultation with the academic advisor.
5. The minimum number of hours required for this degree program is 121. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 121 total or 36 advanced hours.
6. Nine semester credit hours must be writing intensive (WI).
7. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CHEM 1141	1	CHEM 1142	1
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3
BIO 1130	1	BIO 1131	1
BIO 1330	3	BIO 1331	3
US 1100	1	MATH 2471 (Mathematics Component Code 020)	4
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3		
	15		15

Sophomore

First Semester	Hours	Second Semester	Hours
CHEM 2141	1	CHEM 2142	1
CHEM 2341	3	CHEM 2342	3
MATH 2472	4	BIO 2450	4
PHYS 1430	4	PHYS 2425	4
ENG Literature (Component Area Option Code 090/094)	3	COMM 1310 (Component Area Option Code 090/091)	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
CHEM 3375	3	CHEM 3380	3
CHEM 3390	3	CHEM 3381	3
BIO 2400	4	HIST 1320 (American History Component Code 060)	3
HIST 1310 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	Social & Behavioral Sciences Component Code 080	3
	16		15

Senior

First Semester	Hours	Second Semester	Hours
CHEM 3341	3	CHEM 4299	2
CHEM 4360	3	CHEM 4385	3
CHEM 4481	4	CHEM 4382	3
Minor Advanced Elective	3	Minor Advanced Elective	3
Minor Advanced Elective	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	16		14

Total Hours: 121

Bachelor of Science (B.S.) Major in Biochemistry (Pre-Dental Concentration)

Minimum required: 121 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The minor in Biology is recommended and included in the following

degree plan. Minor and electives should be chosen in consultation with the academic advisor.

4. The minimum number of hours required for this degree program is 121. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 121 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level

Course Requirements

				Freshman
First Semester	Hours		Second Semester	Hours
CHEM 1141	1		CHEM 1142	1
CHEM 1341	3		CHEM 1342	3
BIO 1130	1		BIO 1131	1
BIO 1330 (Life & Physical Sciences Component Code 030)	3		BIO 1331 (Life & Physical Sciences Component Code 030)	3
US 1100	1		MATH 2471 (Mathematics Component Code 020)	4
ENG 1310 (Communication Component Code 010)	3		ENG 1320 (Communication Component Code 010)	3
PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3			
	15			15

				Sophomore
First Semester	Hours		Second Semester	Hours
CHEM 2141	1		CHEM 2142	1
CHEM 2341	3		CHEM 2342	3
MATH 2472	4		BIO 2450	4
PHYS 1430	4		PHYS 2425	4
ENG Literature (Component Area Option Code 090/094)	3		COMM 1310 (Component Area Option Code 090/091)	3
	15			15

				Junior
First Semester	Hours		Second Semester	Hours
CHEM 3375	3		CHEM 3380	3
CHEM 3390	3		CHEM 3381	3
BIO 2400	4		BIO 3421	4
HIST 1310 (American History Component Code 060)	3		POSI 2320 (Government/ Political Science Component Code 070)	3
POSI 2310 (Government/ Political Science Component Code 070)	3		PSY 1300 (Social & Behavioral Sciences Component Code 080)	3
	16			16

				Senior
First Semester	Hours		Second Semester	Hours
CHEM 4360	3		CHEM 4385	3
CHEM 4481	4		CHEM 4382	3
HIST 1320 (American History Component Code 060)	3		Minor Advanced Elective[1]	4
Minor Advanced Elective[1]	3		ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
MATH 2328 or 3305	3			
	16			13

Total Hours: 121

[1] BIO 3421 is required and counts as elective credit towards a biology minor.

Bachelor of Science (B.S.) Major in Biochemistry (Pre-Medical Concentration)

Minimum required: 121 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The minor in Biology is recommended and included in the following degree plan. BIO 3421 is required and counts as elective credit towards a Biology minor. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 121. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 121 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

				Freshman
First Semester	Hours		Second Semester	Hours
CHEM 1141	1		CHEM 1142	1
CHEM 1341	3		CHEM 1342	3
BIO 1130	1		BIO 1131	1
BIO 1330 (Life & Physical Sciences Component Code 030)	3		BIO 1331 (Life & Physical Sciences Component Code 030)	3
US 1100	1		MATH 2471 (Mathematics Component Code 020)	4

ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3		
	15		15

Sophomore

First Semester	Hours	Second Semester	Hours
CHEM 2141	1	CHEM 2142	1
CHEM 2341	3	CHEM 2342	3
MATH 2472	4	BIO 2450	4
PHYS 1430	4	PHYS 2425	4
ENG Literature (Component Area Option Code 090/094)	3	COMM 1310 (Component Area Option Code 090/091)	3
	15		15

Junior

First Semester	Hours	Second Semester	Hours
CHEM 3375	3	CHEM 3380	3
CHEM 3390	3	CHEM 3381	3
BIO 2400	4	BIO 3421	4
HIST 1310 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	PSY 1300 (Social & Behavioral Sciences Component Code 080)	3
	16		16

Senior

First Semester	Hours	Second Semester	Hours
CHEM 4360	3	CHEM 4385	3
CHEM 4481	4	CHEM 4382	3
HIST 1320 (American History Component Code 060)	3	Minor Advanced Elective	4
Minor Advanced Elective	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
MATH 2328 or 3305	3		
	16		13

Total Hours: 121

Bachelor of Science (B.S.) Major in Biochemistry (Pre-Pharmacy Concentration)

Minimum required: 129 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The minor in Biology is recommended and included in the following degree plan. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 129. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 129 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CHEM 1141	1	CHEM 1142	1
CHEM 1341	3	CHEM 1342	3
BIO 1130	1	BIO 1131	1
BIO 1330 (Life & Physical Sciences Component Code 030)	3	BIO 1331 (Life & Physical Sciences Component Code 030)	3
US 1100	1	MATH 2471 (Mathematics Component Code 020)	4
ENG 1310 (Communica Component Code 010)	3	ENG 1320 (Communica Component Code 010)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3		
	15		15

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
CHEM 2141	1	CHEM 2142	1	Summer II:	
CHEM 2341	3	CHEM 2342	3	HIST 1310 (American History Component Code 060)	3
MATH 2472	4	BIO 2450	4	Summer II:	

BIO 2400	4	PHYS 1430	4	HIST 1320 (American History Component Code 060)	3
ENG Literature (Component Area Option Code 090/094)	3	COMM 1310 (Component Area Option Code 090/091)	3		
	15		15		6

First Semester	Hours	Second Semester	Hours	Summer	Junior Hours
CHEM 3375	3	CHEM 3380	3	Summer I:	
CHEM 3390	3	CHEM 3381	3	POSI 2310 (Government Political Science Component Code 070)	3
BIO 2451	4	BIO 2452	4	Summer II:	
PHYS 2425	4	Social and Behavioral Sciences (Component Code 080)[1]	3	POSI 2320 (Government Political Science Component Code 070)	3
		MATH 2328 or 3305	3		
	14		16		6

First Semester	Hours	Second Semester	Hours	Senior
CHEM 4360	3	CHEM 4385	3	
CHEM 4481	4	CHEM 4382	3	
Minor Advanced Elective	3	Minor Advanced Elective	3	
Minor Advanced Elective	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	
		Advanced Elective	2	
	13		14	

Total Hours: 129

[1] See the Core Curriculum section of this catalog for general education core curriculum requirements. PSY 1300 or SOCI 1310 or ECO 2314 is strongly recommended for the Social and Behavioral Sciences Component.

Bachelor of Science (B.S.) Major in Chemistry

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

First Semester	Hours	Second Semester	Hours	Freshman
CHEM 1141	1	CHEM 1142	1	
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3	
US 1100	1	ENG 1320 (Communication Component Code 010)	3	
COMM 1310 (Component Area Option Code 090/091)	3	HIST 1310 (American History Component Code 060)	3	
ENG 1310 (Communication Component Code 010)	3	MATH 2471 (Mathematics Component Code 020)	4	
POSI 2310 (Government/ Political Science Component Code 070)	3			
	14		14	

First Semester	Hours	Second Semester	Hours	Sophomore
CHEM 2141	1	CHEM 2142	1	
CHEM 2341	3	CHEM 2342	3	
MATH 2472	4	PHYS 2425	4	

PHYS 1430	4	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
ENG Literature (Component Area Option Code 090/094)	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
		Free Electives	3
	15		17

Junior

First Semester	Hours	Second Semester	Hours
CHEM 3330	3	CHEM 3340	3
CHEM 3410	4	CHEM 3245	2
HIST 1320 (American History Component Code 060)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
Free Elective	3	Social & Behavioral Sciences Component Code 080	3
Minor Advanced Elective	3	Minor Advanced Elective	3
	16		14

Senior

First Semester	Hours	Second Semester	Hours
CHEM 3341	3	CHEM 4341	3
CHEM 4331	3	CHEM 4241	2
CHEM 4231	2	CHEM Advanced Elective[1]	3-4
CHEM 4375	3	Free Electives	3
Minor Advanced Elective	3	Free Electives	2-3
Free Electives	2		
	16		14

Total Hours: 120

[1] CHEM 4299 must be taken twice for credit and is required for certification of the degree as approved by the American Chemical Society.

Bachelor of Science (B.S.) Major in Chemistry (Pre-Dental Concentration)

Minimum required: 125-127 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). A minor in Biology is recommended and included in the following degree plan. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 126. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 126 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3
CHEM 1141	1	CHEM 1142	1
US 1100	1	ENG 1320 (Communication Component Code 010)	3
COMM 1310 (Component Area Option Code 090/091)	3	BIO 1331	3
ENG 1310 (Communication Component Code 010)	3	BIO 1131	1
BIO 1330	3	MATH 2471 (Mathemati Component Code 020)	4
BIO 1130	1		
	15		15

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
CHEM 2141	1	CHEM 2142	1	Summer I:	
CHEM 2341	3	CHEM 2342	3	HIST 1310 (American History Component Code 060)	3
MATH 2472	4	PHYS 2425	4	Summer II:	
PHYS 1430	4	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3	HIST 1320 (American History Component Code 060)	3

ENG Literature (Component Area Option Code 090/094)	3	BIO 2400	4		
	15		15		6

First Semester	Hours	Second Semester	Hours	Summer	Junior Hours
CHEM 3330	3	CHEM 3340	3	POSI 2320 (Government/ Political Science Component Code 070)	3
CHEM 3410	4	CHEM 3245	2		
BIO 2450	4	MATH 2328 or 3305	3		
POSI 2310 (Governmen Political Science Component Code 070)	3	PSY 1300 (Social & Behavioral Sciences Component Code 080)	3		
		BIO 3421	4		
	14		15		3

First Semester	Hours	Second Semester	Hours	Senior
CHEM 3341	3	CHEM 4341	3	
CHEM 4331	3	CHEM 4241	2	
CHEM 4231	2	Minor Advanced Elective[2]	2-3	
CHEM 4375	3	Advanced CHEM Elective[1]	3-4	
Minor Advanced Elective[2]	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	
	14		13-15	

Total Hours: 125-127

1 CHEM 4299 must be taken twice for credit and is required for certification of the degree as approved by the American Chemical Society.

2 Biology Advanced Electives may not include the following: BIO 3351, BIO 4299, BIO 4305, BIO 4402, BIO 4403, or BIO 4408.

Bachelor of Science (B.S.) Major in Chemistry (Pre-Medical Concentration)

Minimum required: 125-127 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). A minor in Biology is recommended and included in the following degree plan. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 126. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 126 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level

Course Requirements

First Semester	Hours	Second Semester	Hours	Freshman
CHEM 1141	1	CHEM 1142	1	
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3	
US 1100	1	ENG 1320 (Communication Component Code 010)	3	
COMM 1310 (Component Area Option Code 090/091)	3	BIO 1331	3	
ENG 1310 (Communication Component Code 010)	3	BIO 1131	1	

BIO 1330	3	MATH 2471 (Mathematic Component Code 020)	4		
BIO 1130	1				
	15		15		

First Semester	Hours	Second Semester	Hours	Summer	Sophomore Hours
CHEM 2141	1	CHEM 2142	1	Summer I:	
CHEM 2341	3	CHEM 2342	3	HIST 1310 (American History Component Code 060)	3
MATH 2472	4	PHYS 2425	4	Summer II:	
PHYS 1430	4	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3	HIST 1320 (American History Component Code 060)	3
ENG Literature (Component Area Option Code 090/094)	3	BIO 2400	4		
	15		15		6

First Semester	Hours	Second Semester	Hours	Summer	Junior Hours
CHEM 3330	3	CHEM 3340	3	POSI 2320 (Government/ Political Science Component Code 070)	3
CHEM 3410	4	CHEM 3245	2		
BIO 2450	4	MATH 2328 or 3305	3		
POSI 2310 (Governmen Political Science Component Code 070)	3	PSY 1300 (Social & Behavioral Sciences Component Code 080)	3		
		BIO 3421	4		
	14		15		3

First Semester	Hours	Second Semester	Hours	Senior Hours
CHEM 3341	3	CHEM 4341	3	
CHEM 4331	3	CHEM 4241	2	
CHEM 4231	2	Minor Advanced Elective[2]	2-3	
CHEM 4375	3	Advanced CHEM Elective[1]	3-4	
Minor Advanced Elective [2]	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	
	14		13-15	

Total Hours: 125-127

1 CHEM 4299 must be taken twice for credit and is required for certification of the degree as approved by the American Chemical Society.

2 Biology Advanced Electives may not include the following: BIO 3351, BIO 4299, BIO 4305, BIO 4402, BIO 4403, or BIO 4408.

Bachelor of Science (B.S.) Major in Chemistry (Pre-Pharmacy Concentration)

Minimum required: 133-134 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The Biology minor is recommended and is included in the following degree plan. Minor and electives should be chosen in consultation with the academic advisor.
4. The minimum number of hours required for this degree program is 134. The number of elective hours a student will complete depends on the number of hours a student may need to achieve the required 134 total or 36 advanced hours.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CHEM 1141	1	CHEM 1142	1
CHEM 1341	3	CHEM 1342	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
COMM 131((Component Area Option Code 090/091)	3	BIO 1331	3
ENG 1310 (Communication Component Code 010)	3	BIO 1131	1
BIO 1330	3	MATH 2471 (Mathemati Component Code 020)	4
BIO 1130	1		
	15		15

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
CHEM 2141	1	CHEM 2142	1	Summer I:	
CHEM 2341	3	CHEM 2342	3	HIST 1310 (American History Component Code 060)	3
MATH 2472	4	PHYS 2425 (Life & Physical Sciences Component Code 030)	4	Summer II:	
PHYS 1430 (Life & Physical Sciences Component Code 030)	4	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	BIO 2400	4
ENG Literature (Component Area Option Code 090/094)	3	BIO 2450	4		
	15		15		7

Junior

First Semester	Hours	Second Semester	Hours	Summer	Hours
CHEM 3330	3	CHEM 3340	3	Summer I:	
CHEM 3410	4	CHEM 3245	2	POSI 2310 (Governmen Political Science Component Code 070)	3
BIO 2451	4	MATH 2328 or 3305	3	Summer II:	
Social & Behavioral Sciences Component Code 080[1]	3	CHEM 4375	3	POSI 2320 (Governmen Political Science Component Code 070)	3
		BIO 2452	4	HIST 1320 (American History Component Code 060)	3
	14		15		9

Senior

First Semester	Hours	Second Semester	Hours
CHEM 3341	3	CHEM 4341	3
CHEM 4331	3	CHEM 4241	2
CHEM 4231	2	Minor Advanced Elective	3
Minor Advanced Elective	3	Advanced CHEM Elective[2]	3-4
Minor Advanced Elective	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	14		14-15

Total Hours: 133-134

1. See the Core Curriculum section of this catalog for general education core curriculum requirements. PSY 1300 or SOCI 1310 or ECO 2314 is strongly recommended for the Social and Behavioral Sciences Component.
2. CHEM 4299 must be taken twice for credit and is required for certification of the degree as approved by the American Chemical Society.

Bachelor of Science (B.S.) Major in Chemistry (Teacher Certification in Chemistry, Grades 7-12)

Minimum required: 120 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. In the Bachelor of Science (B.S.) degree with a major in Chemistry CHEM 4299 must be taken twice for credit and is required for certification of the degree as approved by the American Chemical Society.
2. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
3. A minor in Secondary Education is required.
4. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
5. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
6. Nine semester credit hours must be writing intensive (WI).
7. In addition to the major, minor and general education core curriculum requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to EDST 4681.
8. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA, a major GPA of at least 2.50 with no grades less than a “C” in all major courses, a GPA of at least 2.50 in all assigned courses in the professional sequence with no grades less than a "C", and a Secondary Education minor GPA of at least 2.50 with no grades less than a "C" in all minor courses.
9. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
10. All students seeking teacher certification must apply for and be admitted to the Educator Preparation Program in order to enroll in education coursework and student teaching in the Junior and Senior years. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236). (Hyperlink is https://next.mycatalog.txstate.edu/undergraduate/education/office-of-educator-preparation/)
11. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours	Summer	Hours
CHEM 1141	1	CHEM 1142	1	Summer I:	
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3	CHEM 2141	1
MATH 2471 (Mathematics Component Code 020)	4	MATH 2472	4	CHEM 2341	3
US 1100	1	PHYS 1430	4	Summer II:	
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3	CHEM 2142	1
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3			CHEM 2342	3
	15		15		8

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
CHEM 3330	3	CHEM 3340	3	Summer I:	
CHEM 3410	4	CHEM 3245	2	HIST 1310 (American History Component Code 060)	3
PHYS 2425	4	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	POSI 2310 (Government/ Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3	COMM 1310 (Component Area Option Code 090/091)	3	Summer II:	

	Free Electives	2 HIST 1320 (American History Component Code 060)	3
		POSI 2320 (Governmen Political Science Component Code 070)	3
	14	13	12

Junior

First Semester	Hours	Second Semester	Hours
CHEM 3341	3	CI 4332	3
CHEM 4331	3	CHEM 4341	3
CHEM 4231	2	CHEM 4241	2
CHEM 4375	3	CI 3325	3
CHEM 4295	2	Free Electives	1
	13		12

Senior

First Semester	Hours	Second Semester	Hours
Social & Behavioral Sciences Component Code 080	3	EDST 4681	6
CI 4370	3		
CI 4343	3		
RDG 3323	3		
	12		6

Total Hours: 120

Bachelor of Science (B.S.) Major in Chemistry (Teacher Certification in Physical Science, Grades 6-12)

Minimum required: 129 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine semester credit hours must be writing intensive (WI).
4. CHEM 4299 must be taken twice for credit and is required for certification of the degree as approved by the American Chemical Society.
5. Minors in Secondary Education and in Physics are required.
6. In addition to the major, minor and general education core curriculum requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to EDST 4681.
7. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA, a major GPA of at least 2.50 with no grades less than a "C" in all major courses, a GPA of at least 2.50 in all assigned courses in the professional sequence with no grades less than a "C", and a Secondary Education minor GPA of at least 2.50 with no grades less than a "C" in all minor courses.
8. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
9. All students seeking teacher certification must apply for and be admitted to the Educator Preparation Program in order to enroll in education coursework and student teaching in the Junior and Senior years. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236). (Hyperlink is https://next.mycatalog.txstate.edu/undergraduate/education/office-of-educator-preparation/)
10. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours	Summer	Hours
CHEM 1141	1	CHEM 1142	1	Summer I:	
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3	CHEM 2141	1
MATH 2471 (Mathematics Component Code 020)	4	MATH 2472	4	CHEM 2341	3
US 1100	1	PHYS 1430	4	Summer II:	
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3	CHEM 2142	1

PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3			CHEM 2342	3
	15		15		8
					Sophomore
First Semester	**Hours**	**Second Semester**	**Hours**	**Summer**	**Hours**
CHEM 3330	3	CHEM 3340	3	Summer I:	
CHEM 3410	4	CHEM 3245	2	HIST 1310	3
PHYS 2425	4	PHYS 2435	4	POSI 2310	3
PHYS 3210	2	Social & Behavioral Sciences Component Code 080	3	Summer II:	
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	COMM 1310 (Component Area Option Code 090/091)	3	HIST 1320	3
				POSI 2320	3
	16		15		12
					Junior
First Semester	**Hours**	**Second Semester**	**Hours**	**Summer**	**Hours**
CHEM 3341	3	CHEM 4341	3	Summer I:	
CHEM 4331	3	CHEM 4241	2	ENG Literature (Component Area Option Code 090/094)	3
CHEM 4231	2	CI 3325	3	CHEM 4375	3
CI 4332	3	PHYS 4360	3		
PHYS 3312	3				
	14		11		6
					Senior
First Semester	**Hours**	**Second Semester**	**Hours**		
CHEM 4295	2	EDST 4681	6		
CI 4370	3				
CI 4343	3				
RDG 3323	3				
	11		6		

Total Hours: 129

Bachelor of Science (B.S.) and Master of Science (M.S.) Major in Biochemistry (Early-Entry Program)

Qualified biochemistry majors completing their junior year of biochemistry courses who plan to pursue advanced studies in Biochemistry have the opportunity to complete both a Bachelor of Science and a Master of Science degree with two additional years (including summers) of course work and research in chemistry. Students may be admitted to the M.S. program without entrance qualification exams if they have a 3.00 GPA or higher in all chemistry and biochemistry courses, have completed CHEM 3380, CHEM 3381, and two semesters of CHEM 4299, have taken the Graduate Record Exam, and have been accepted by a graduate thesis advisor. Applicants will be evaluated by the Graduate Evaluation Committee to determine their suitability to enter the program. The application process is the same as for other graduate applicants to The Graduate College. Graduate status is provisional until the B.S. degree is awarded. The B.S. degree will be certified as approved by the American Chemical Society for students completing CHEM 3341 (fall only course) as an advanced elective.

Bachelor of Science (B.S.) and Master of Science (M.S.) Major in Chemistry (Early-Entry Program)

Qualified chemistry majors completing their junior year of chemistry courses who plan to pursue advanced studies in Chemistry have the opportunity to complete both a Bachelor of Science and a Master of Science degree with two additional years (including summers) of course work and research in chemistry. Students may be admitted to the M.S. program without entrance qualification exams if they have a 3.00 GPA or higher in all chemistry courses, have completed CHEM 3245, CHEM 3340 and two semesters of CHEM 4299, have taken the Graduate Record Exam, and have been accepted by a graduate thesis advisor. Applicants will be evaluated by the Graduate Evaluation Committee to determine their suitability to enter the program. The application process is the same as for other graduate applicants to The Graduate College. Graduate status is provisional until the B.S. degree is awarded.

Minor in Biochemistry

The minor in Biochemistry requires 24 semester credit hours.

Code	Title	Hours
Required Courses		
CHEM 1141	General Chemistry Laboratory I	1
CHEM 1142	General Chemistry Laboratory II	1
CHEM 1341	General Chemistry I	3
CHEM 1342	General Chemistry II	3
CHEM 2141	Organic Chemistry Laboratory I	1
CHEM 2142	Organic Chemistry Laboratory II	1
CHEM 2341	Organic Chemistry I	3
CHEM 2342	Organic Chemistry II	3
CHEM 3276	Experimental Biochemistry	2
CHEM 3375	Principles of Biochemistry	3
or CHEM 4375	Biochemistry	

CHEM 4360 or CHEM 4385	Molecular Biology Metabolism	3
Total Hours		24

Minor in Chemistry

The minor in Chemistry requires 23 semester credit hours.

Code	Title	Hours
Required Courses		
CHEM 1141	General Chemistry Laboratory I	1
CHEM 1142	General Chemistry Laboratory II	1
CHEM 1341	General Chemistry I	3
CHEM 1342	General Chemistry II	3
CHEM 2141	Organic Chemistry Laboratory I	1
CHEM 2142	Organic Chemistry Laboratory II	1
CHEM 2341	Organic Chemistry I	3
CHEM 2342	Organic Chemistry II	3
CHEM 3410	Quantitative Analysis	4
Choose 3 hours of advanced CHEM courses not to include CHEM 4299		3
Total Hours		23

Second Teaching Field in Chemistry (Grades 7-12)

For students who are seeking a teacher certification within their major and would like a second teaching field in Chemistry, the requirements are:

Code	Title	Hours
CHEM 1341 & CHEM 1141	General Chemistry I and General Chemistry Laboratory I	4
CHEM 1342 & CHEM 1142	General Chemistry II and General Chemistry Laboratory II	4
CHEM 2341 & CHEM 2141	Organic Chemistry I and Organic Chemistry Laboratory I	4
CHEM 2342 & CHEM 2142	Organic Chemistry II and Organic Chemistry Laboratory II	4
CHEM 3410	Quantitative Analysis	4
CHEM 4295	Laboratory Development and Practice	2
CHEM 4375	Biochemistry	3
Total Hours		25

All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Department of Computer Science

Comal Building Room 211
T: 512-245-3409 F: 512-245-8750
www.cs.txstate.edu (http://www.cs.txstate.edu)

The Department of Computer Science offers two degree options for students - a Bachelor of Arts (B.A.) and a Bachelor of Science (B.S.). The Bachelor of Science in Computer Science degree program is accredited by the Computing Accreditation Commission of ABET, http://www.abet.org. The department offers courses in computer architecture, data structures and algorithms, automata theory, compilers, operating system, object-oriented design and implementation, web programming, software engineering, computer graphics, computer networks, parallel programming, computer security, software testing, database design, data mining, machine learning, human computer interaction, green computing, artificial intelligence, and several programming languages including C, C++, Java, Python, and Assembly. Computer Science graduates can further their studies in graduate schools or enter the workforce in fields like hardware manufacturing, software development, environment management, computer applications, aerospace, chemicals, and secondary school teaching.

Mission Statement

The mission of the Department of Computer Science is to advance the knowledge of computer science and technology through education, research, and service for the betterment of society.

Vision Statement

The mission of the Department of Computer Science envisions becoming a reputable doctoral-granting department; expanding its depth and breadth in the research, teaching, and study of applied computing; and increasing the enrollment of quality students.

Computer Science Goals

1. Graduating students with strong technical backgrounds and communication skills.
2. Graduating students who understand the values and requirements of responsible professionalism and lifelong learning.
3. Building a sustainable research program.
4. Developing international visibility for our research.
5. Providing quality service to the university, the profession, and the community.

Bachelor of Arts (B.A.)

- Major in Computer Science (p. 637)

Bachelor of Science (B.S.)

- Major in Computer Science (p. 638)
- Major in Computer Science (Computer Engineering Concentration) (p. 640)

Minor

- Computer Science (p. 641)

Courses in Computer Science (CS)

CS 1308. Computer Literacy and the Internet.
A study of the uses of computers and their effects on society. Text processing, spreadsheets, databases, and Web programming. Does not count for computer science credit towards a minor, a BS, or a BA in computer science.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: COSC 1301

CS 1319. Fundamentals of Computer Science.
Provides fundamental knowledge of the six layers of computer science as per the ACM CS0 curriculum. The information, hardware, programming, operating system, applications, and communications layers are presented plus appropriate open computer laboratory exercises. Does not count for computer science credit towards a minor, BS, or BA in computer science.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: COSC 1336

CS 1342. Programming for Scientists and Engineers.
This course is an introduction to computer science and problem solving techniques with applications in engineering and the physical sciences. Topics include an introduction to computer organization, data representation, algorithm development, and computer programming in a high-level language.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 1428. Foundations of Computer Science I.
Introductory course for computer science majors, minors and others desiring technical introduction to computer science. Contains overview of history and structure of the digital computer, including binary data representation. Problem solving, algorithm development, structured programming, good coding style, and control structures of C++ are emphasized. Prerequisite: [MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2417 or MATH 2471 with a grade of "C" or better] or [ACT Mathematics score of 24 or better] or [SAT Mathematics score of 520 or better] or [SAT Math Section score of 550 or better].
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: COSC 1437

CS 2308. Foundations of Computer Science II.
The course is an introduction to Abstract Data Types (ADTs) including lists, stacks, and queues. Searching and sorting, pointers and dynamic memory allocation, and simple classes and objects also will be covered. The course is a continuation of CS 1428. Prerequisite: CS 1428 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: COSC 2336

CS 2315. Computer Ethics.
This course is primarily for computer science majors, focusing on the ethical codes of the professional societies, the philosophical bases of ethical decision-making, and the examination of several contemporary case studies. (WI) Prerequisites: COMM 1310 and CS 1428 and ENG 1310 and [PHIL 1305 or PHIL 1320] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CS 2318. Assembly Language.
A course covering assembly language programming, including instruction sets, addressing modes, instruction formats, looping, logic, data representation, subroutines and recursion; and the interface between hardware and software. Prerequisites: CS 2308 and MATH 2358 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: COSC 2325

CS 3320. Internet Software Development.
A course providing foundations for the construction and design of static and dynamic Web pages with database applications. This will include server-side and client-side software development. Prerequisite: CS 2308 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 3339. Computer Architecture.
Use of fundamental hardware components. Topics include ALU's, single and multiple cycle datapath and control, RISC vs. CISC, pipelining, caches, I/O, virtual memory and related performance issues. Prerequisite: CS 2318 or EE 3420 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 3354. Object-Oriented Design and Programming.
The course covers object-oriented design principles and programming for students with prior programming experience. The topics include inheritance and polymorphism, object-oriented design process, UML diagrams, design patterns, exception handling and multithreading. Students will design and implement programs in Java. Cannot receive credit if the student has taken CS 4354. Prerequisite: CS 2308 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 3358. Data Structures and Algorithms.
This is a course that covers classic data structures and the analysis of algorithms. Prerequisites: CS 2308 and MATH 2358 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 3369. Embedded Computer Systems.
This course studies the architecture of embedded systems, micro-controllers, their peripherals, languages, and operating systems and the special techniques required to use them. Prerequisite: CS 2318 or EE 3420 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 3378. Theory of Automata.
An introduction to automata theory, computability, and formal languages. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 3393. Software Testing.
This course introduces basic concepts and techniques for testing software and finding bugs. Topics include test design, test process, unit, integration and system testing, manual and automatic techniques for generation of test inputs and validation of test outputs, and coverage criteria. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 3398. Software Engineering.
The study of software design, implementation, and validation techniques through team projects. Structured analysis, programming style, and project documentation are emphasized in large software projects. (WI) Prerequisite: CS 3354 and CS 3358 and [CS 2315 or EE 2400] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CS 4100. Computer Science Internship.
Provides on-the-job training supervised by computer scientists in industry internship programs approved by the department.
1 Credit Hour. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 4298. Undergraduate Research I.
Supervised individual research project in a mentor-student relationship with a computer science faculty member. Cannot be given degree credit until the satisfactory completion of CS 4299. Prerequisites: Minimum 3.00 Major GPA and instructor approval.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 4299. Undergraduate Research II.
Supervised individual research projects in a mentor-student relationship with a computer science faculty member. Prerequisites: CS 4298 with a grade of "C" or better and instructor approval.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CS 4310. Computer Networks.
This course covers the fundamental concepts in the design of computer networks and networking protocols with emphasis on the Internet (TCP/IP) architecture. The covered topics include: protocol layering, media access, internet routing, transport protocols and applications.Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4315. Introduction to Data Mining.
This course covers fundamental concepts and techniques in data mining and information retrieval. Data mining topics include classification, cluster analysis and pattern mining. Information retrieval topics include Boolean retrieval, vector space model, and Web search. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4318. Compiler Construction.
This course investigates theoretical and practical issues in the design and construction of modern compilers. Topics covered include lexical and syntactic analysis, syntax-directed translation, type checking, intermediate representation, code generation, and runtime systems. A major portion of the course involves implementing a compiler from scratch for a C-like programming language. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4326. Human Factors of Computer Systems.
Principles and methods in human factors and ergonomics applied to the design and use of computer systems. Prerequisite: CS 3358 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CS 4328. Operating Systems.
This course covers the principles of operating systems design. The covered topics include: process management, CPU scheduling algorithms, inter-process communication and synchronization, memory management, virtual machines and I/O device management. Prerequisites: CS 3339 and CS 3358 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4332. Introduction to Database Systems.
Introduction to database concepts, data models, file structures, query languages, database management systems. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4346. Introduction to Artificial Intelligence.
An introduction to the basic concepts of artificial intelligence; search techniques, knowledge representation, problem solving. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4347. Introduction to Machine Learning.
This course provides systematic introduction to machine learning, covering basic theoretical as well as practical aspects of the use of machine learning methods. Topics include learning theory, learning methods, and recent learning models. Application examples include multimedia information retrieval, text recognition, and computer vision. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4350. Unix Systems Programming.
Fundamentals of Unix operating systems, Unix file system and environment, C memory allocation, development tools, processes and signals, threads, device drivers, and programming for security. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4368. Survey of Computer Languages.
A survey of computer languages. Criteria for choosing languages to be covered include history, important development paradigms and environments, and language implementations. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4371. Computer System Security.
Course covers practical aspects of computer system security including managing and producing code for secure systems. Theory, such as cryptography, is introduced as needed. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4372. Introduction to Digital Multimedia.
The course covers concepts, problems and techniques in digital multimedia. Topics include digital representation and data compression of text, speech, audio, natural and synthetic images, and video, as well as multimedia applications, transmission, and standards. In addition, the course introduces perceptual aspects of multimedia signals and sources. Prerequisite: CS 3358 with a grade of "C" of better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4379B. Introduction to Graphical User Interfaces.
This course covers abstract and practical foundations of graphical user interface design, evaluation, and implementation. It discusses the fundamentals of computer graphics and interactive computer/human interfaces. The course includes a survey of usability measures, the major GUI standards, and GUI tools. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 4379C. Introduction to Computer Vision.
This course covers fundamental topics of computer vision. Topics include elementary image operations and transformations, template matching, object recognition, classification and tracking, camera models and stereo vision, and image retrieval from image databases. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 4379Q. Introduction to Recommender Systems.
This course covers the basic concepts of recommender systems, including personalization algorithms, evaluation tools, and user experiences. We will discuss how recommender systems are deployed in e-commerce sites, social networks, and many other online systems. Additionally, we will review current research in the field. Prerequisite: CS 3358 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 4379V. Fundamentals of Algorithm Design and Analysis.
This course covers classic algorithms in computer science and their applications, with emphasis on algorithm design, algorithm analysis, and problem formulation. Topics include disjoint sets and union-find algorithms, tree and graph algorithms, sorting algorithms, greedy algorithms, dynamic programming, and string processing algorithms. Prerequisite: CS 3358 with grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 4379Y. Introduction to Green Computing.
Reducing energy consumption of mobile devices, cloud computing platforms, and supercomputers is a paramount but daunting problem. This course covers fundamental concepts and techniques in green computing, including a hardware energy efficiency roadmap; energy efficient software design, resource management, and storage solutions; and green data centers and mobile computing. Prerequisites: CS 3339 and CS 3358 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 4380. Parallel Programming.
This course teaches practical aspects of parallel programming. The covered topics include multi-core processors and shared-memory programming, hardware accelerator programming, and distributed-memory machines and message-passing programming. The students will gain the knowledge and skills needed for developing parallel software by writing programs for a variety of parallel computers. Prerequisite: CS 3339 and CS 3358 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4381. Practical Game Development.
This course teaches practical aspects of computer game design and implementation. Topics include graphics game engines, game physics, AI methods applied to games, and software architectures for computer games. Students will gain knowledge and skills needed for game development via team projects. Prerequisite: CS 3398 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4388. Computer Graphics.
A study of the hardware and software used in graphic representation and interpretation of data. Prerequisites: CS 3358 and [MATH 1317 or MATH 2363 or MATH 2417 or MATH 2471 or MATH 2472] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4395. Independent Study in Computer Science.
Open to undergraduate students on an independent basis by arrangement with the faculty member concerned. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 4398. Software Engineering Project.
Students undertake a software development project. They work in teams, developing requirements and designs which they will implement and test. Prerequisite: CS 3398 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in Computer Science

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three hours of math/science/logic/computer science courses, a minor and six hours of 2000-level modern language courses. Most students will have to complete 1410 and 1420 as prerequisites before attempting 2310.
3. For transfer students, 26-32 semester credit hours in computer science (or their equivalents) may be transferred from a Texas public institution of higher education for the Computer Science Field of Study and be applied to the Bachelor of Arts degree with a major in Computer Science at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. If transferring additional computer science courses please contact the Department of Computer Science for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
CS 1319	Fundamentals of Computer Science	3
TCCN: COSC 1336 or 1436 (CS 1319 + 1 hour CS ELNA)		
CS 1428	Foundations of Computer Science I	4
TCCN: COSC 1337 or 1437		
CS 2308	Foundations of Computer Science II	3
TCCN: COSC 2336 or 2436 (CS 2308 + 1 hour CS ELNA)		
CS 2318	Assembly Language	3
TCCN: COSC 2325 or 2425 (CS 2318 + 1 hour CS ELNA)		
MATH 2471	Calculus I	4
TCCN: MATH 2313 or 2413		
MATH 2472	Calculus II	4
TCCN: MATH 2314 or 2414		
PHYS 1430	Mechanics	4
TCCN: PHYS 2425		
PHYS 2425	Electricity and Magnetism	4
TCCN: PHYS 2426		
Total		26-32

4. Students pursuing the B.A. are required to complete an additional 3 hours of English beyond the general education core curriculum. A grade of C or higher is required in these additional hours to satisfy the graduation requirements of the computer science major. Students may select from the following English courses. ENG 3303 or ENG 3313 is recommended.

Code	Title	Hours
ENG 2310	British Literature before 1785	3
ENG 2320	British Literature since 1785	3
ENG 2330	World Literature before 1600	3
ENG 2340	World Literature since 1600	3
ENG 2359	US Literature before 1865	3
ENG 2360	US Literature since 1865	3
ENG 3303	Technical Writing	3
ENG 3313	Scientific Writing	3

5. Computer Science students must complete 37 hours of Computer Science courses, including one CS project course from: CS 4318, CS 4326, CS 4371, CS 4380, or CS 4398.
6. Nine hours of writing intensive (WI) courses are required for graduation.
7. Students must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
8. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
9. In addition to satisfying the University graduation requirements, students must earn a grade of C or higher in all computer science and mathematics courses used to satisfy the requirements of the computer science major.
10. The number of free electives a student will complete varies, depending on the number of hours needed to satisfy the 120 and/or the 36 advanced or 9 hours writing intensive requirements. Students

should consult with the academic advisor before enrolling in any free elective courses to ensure that electives are needed.

Course Requirements

Freshman			
First Semester	**Hours**	**Second Semester**	**Hours**
CS 1428	4	CS 2308	3
Mathematics Component Code 020 select one of the following:	3-4	MATH 2358 (BA Computer Science, Logic, Mathematics or science)	3
MATH 1317		ENG 1320 (Communication Component Code 010)	3
MATH 1329		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MATH 2321		Social & Behavioral Sciences Component Code 080	3
MATH 2417			
MATH 2471			
US 1100	1		
ENG 1310 (Communication Component Code 010)	3		
COMM 1310 (Component Area Option Code 090/091)	3		
	14-15		15

Sophomore			
First Semester	**Hours**	**Second Semester**	**Hours**
CS 2318	3	CS 2315	3
CS 3358	3	CS 3354	3
MATH 3398	3	Modern Language 1420	4
Life & Physical Sciences Component Code 030[1]	4	Life & Physical Sciences Component Code 030[1]	4
Modern Language 1410	4	ENG Literature (Component Area Option Code 090/094)	3
	17		17

Junior			
First Semester	**Hours**	**Second Semester**	**Hours**
CS 3339	3	CS Advanced Elective	3
CS 3398	3	Modern Language 2320	3
BA ENG Literature	3	Minor	3
Modern Language 2310	3	HIST 1310 (American History Component Code 060)	3
Minor	3	POSI 2310 (Government/ Political Science Component Code 070)	3
	15		15

Senior			
First Semester	**Hours**	**Second Semester**	**Hours**
CS Advanced Elective	3	Select one of the following:	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	CS 4318	
HIST 1320 (American History Component Code 060)	3	CS 4326	
Minor	3	CS 4371	
POSI 2320 (Government/ Political Science Component Code 070)	3	CS 4380	
		CS 4398	
		CS Advanced Elective	3
		Minor	6
	15		12

Total Hours: 120-121

1 Computer Science students must take eight hours (2 courses) of the Life & Physical Sciences Component Code 030 from: BIO 1330/BIO 1130 & BIO 1331/BIO 1131; PHYS 1315/PHYS 1115 & PHYS 1325/PHYS 1125 [or PHYS 1430 & PHYS 2425]; CHEM 1341/CHEM 1141, and CHEM 1342/CHEM 1142; or GEOL 1410 & GEOL 1420. The eight hours (2 courses) must be from the same science (BIO, CHEM, GEOL, or PHYS) as listed above. Field of Study requirements of PHYS 1430 and PHYS 2425 will be used to satisfy this requirement.

Bachelor of Science (B.S.) Major in Computer Science

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to satisfying the University graduation requirements, students must earn a grade of C or higher in all computer science and mathematics courses used to satisfy the requirements of the computer science major.
3. For transfer students, 26-32 semester credit hours in computer science (or their equivalents) may be transferred from a Texas public institution of higher education for the Computer Science Field of Study and be applied to the Bachelor of Science degree with a major in Computer Science at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. If transferring additional computer science courses please contact the Department of Computer Science for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
CS 1319	Fundamentals of Computer Science	3
TCCN: COSC 1336 or 1436 (CS 1319 + 1 hour CS ELNA)		
CS 1428	Foundations of Computer Science I	4

TCCN: COSC 1337 or 1437		
CS 2308	Foundations of Computer Science II	3
TCCN: COSC 2336 or 2436 (CS 2308 + 1 hour CS ELNA)		
CS 2318	Assembly Language	3
TCCN: COSC 2325 or 2425 (CS 2318 + 1 hour CS ELNA)		
MATH 2471	Calculus I	4
TCCN: MATH 2313 or 2413		
MATH 2472	Calculus II	4
TCCN: MATH 2314 or 2414		
PHYS 1430	Mechanics	4
TCCN: PHYS 2425		
PHYS 2425	Electricity and Magnetism	4
TCCN: PHYS 2426		
Total		26-32

4. Students pursuing this B.S. degree program are required to complete an additional 3 hours of English beyond the general education core curriculum. A grade of C or higher is required in these additional hours to satisfy the graduation requirements of the computer science major. Students may select from the following English courses. ENG 3303 or ENG 3313 is recommended.

Code	Title	Hours
ENG 2310	British Literature before 1785	3
ENG 2320	British Literature since 1785	3
ENG 2330	World Literature before 1600	3
ENG 2340	World Literature since 1600	3
ENG 2359	US Literature before 1865	3
ENG 2360	US Literature since 1865	3
ENG 3303	Technical Writing	3
ENG 3313	Scientific Writing	3

5. Students pursuing this B.S. degree program are required to complete a total of 17 hours in mathematics from MATH 2358, MATH 2471, MATH 2472, MATH 3305, and MATH 3398. Therefore, the requirements of a Mathematics or Applied Mathematics minor are included in this degree plan.
6. Nine hours of writing intensive (WI) courses are required for graduation.
7. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
8. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student's degree audit.
9. Computer Science majors must complete 43 hours of Computer Science courses, including one CS project course from: CS 4318, CS 4326, CS 4371, CS 4380, or CS 4398.
10. The number of free electives a student will complete varies, depending on the number of hours needed to satisfy the 120 and/or the 36 advanced or 9 hours writing intensive requirements. Students should consult with the academic advisor before enrolling in any free elective courses to ensure that electives are needed.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CS 1428	4	CS 2308	3
MATH 2471 (Mathematics Component Code 020)	4	MATH 2472	4
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communication Component Code 010)	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
COMM 1310 (Component Area Option Code 090/091)	3	MATH 2358	3
	15		16

Sophomore

First Semester	Hours	Second Semester	Hours
CS 2318	3	CS 2315	3
CS 3358	3	CS 3354	3
MATH 3398	3	Life & Physical Sciences Component Code 030[1]	4
Life & Physical Sciences Component Code 030[1]	4	Social & Behavioral Sciences Component Code 080	3
		ENG Literature (Component Area Option Code 090/094)	3
	13		16

Junior

First Semester	Hours	Second Semester	Hours
CS 3339	3	CS Advanced Elective	3
CS 3398	3	CS Advanced Elective	3
ENG Literature	3	MATH 3305	3
Life & Physical Sciences[1]	4	Life & Physical Sciences[1]	4
HIST 1310 (American History Component Code 060)	3	HIST 1320 (American History Component Code 060)	3
	16		16

Senior

First Semester	Hours	Second Semester	Hours
CS 4328	3	Select one of the following:	3
CS Advanced Elective	3	CS 4318	
Math/Applied Math Minor	3	CS 4326	
POSI 2310 (Government/ Political Science Component Code 070)	3	CS 4371	
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	CS 4380	
		CS 4398	
		CS Advanced Elective	3
		Math/Applied Math Minor	3
		POSI 2320 (Government/ Political Science Component Code 070)	3

Elective	1
15	13

Total Hours: 120

[1] Computer Science majors must take sixteen hours (4 courses) of Life & Physical Sciences from: BIO 1330/BIO 1130 & BIO 1331/BIO 1131; PHYS 1315/PHYS 1115 & PHYS 1325/PHYS 1125 [or PHYS 1430 & PHYS 2425]; CHEM 1341/CHEM 1141 and CHEM 1342/CHEM 1142; or GEOL 1410 & GEOL 1420. Eight hours (2 courses) must be from the same science (BIO, CHEM, GEOL, or PHYS) as listed above. Field of Study requirements of PHYS 1430 and PHYS 2425 will be used to satisfy this requirement.

Bachelor of Science (B.S.) Major in Computer Science (Computer Engineering Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to satisfying the University graduation requirements, students must earn a grade of C or higher in all computer science, computer engineering concentration, and mathematics courses used to satisfy the requirements of the computer science major.
3. For transfer students, 26-32 semester credit hours in computer science (or their equivalents) may be transferred from a Texas public institution of higher education for the Computer Science Field of Study and be applied to the Bachelor of Science degree with a major in Computer Science at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. If transferring additional computer science courses please contact the Department of Computer Science for assistance. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
CS 1319	Fundamentals of Computer Science	3
TCCN: COSC 1336 or 1436 (CS 1319 + 1 hour CS ELNA)		
CS 1428	Foundations of Computer Science I	4
TCCN: COSC 1337 or 1437		
CS 2308	Foundations of Computer Science II	3
TCCN: COSC 2336 or 2436 (CS 2308 + 1 hour CS ELNA)		
CS 2318	Assembly Language	3
TCCN: COSC 2325 or 2425 (CS 2318 + 1 hour CS ELNA)		
MATH 2471	Calculus I	4
TCCN: MATH 2313 or 2413		
MATH 2472	Calculus II	4
TCCN: MATH 2314 or 2414		
PHYS 1430	Mechanics	4
TCCN: PHYS 2425		
PHYS 2425	Electricity and Magnetism	4
TCCN: PHYS 2426		
Total		26-32

4. Students pursuing this B.S. degree program are required to complete an additional 3 hours of English beyond the general education core curriculum. A grade of C or higher is required in these additional hours to satisfy the graduation requirements of the computer science major. Students may select from the following English courses. ENG 3303 or ENG 3313 is recommended.

Code	Title	Hours
ENG 2310	British Literature before 1785	3
ENG 2320	British Literature since 1785	3
ENG 2330	World Literature before 1600	3
ENG 2340	World Literature since 1600	3
ENG 2359	US Literature before 1865	3
ENG 2360	US Literature since 1865	3
ENG 3303	Technical Writing	3
ENG 3313	Scientific Writing	3

5. Nine hours of writing intensive (WI) courses are required for graduation.
6. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
7. Students pursuing this B.S. degree program are required to complete a total of 17 hours in mathematics from MATH 2471, MATH 2472, MATH 3305, MATH 2358, MATH 3398. Therefore, the requirements of a Mathematics or Applied Mathematics minor are included in this degree plan.
8. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirements will be added to the student's degree audit.
9. The number of free electives a student will complete varies, depending on the number of hours needed to satisfy the 120 and/or the 36 advanced or 9 hours writing intensive requirements. Students should consult with the academic advisor before enrolling in any free elective courses to ensure that electives are needed.
10. Computer Science majors with the Computer Engineering (CE) concentration must complete one CS project course from: CS 4318, CS 4326, CS 4371, CS 4380, or CS 4398. Cannot be the same computer science course completed to satisfy the CE concentration elective.
11. The concentration in Computer Engineering consists of the following courses:

Code	Title	Hours
CS 3369	Embedded Computer Systems	3
EE 2400	Circuits I	4
EE 2420	Digital Logic	4
Select one of the following:		3
CS 4310	Computer Networks	

CS 4318	Compiler Construction
CS 4380	Parallel Programming
CS 4388	Computer Graphics

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CS 1428	4	CS 2308	3
MATH 2471 (Mathematics Component Code 020)	4	MATH 2472	4
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communication Component Code 010)	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
COMM 1310 (Component Area Option Code 090/091)	3	MATH 2358	3
	15		16

Sophomore

First Semester	Hours	Second Semester	Hours
CS 2318	3	CS 2315	3
CS 3358	3	CS 3354	3
EE 2420	4	MATH 3398	3
Life & Physical Sciences Component Code 030[1]	4	Life & Physical Sciences Component Code 030[2]	4
ENG Literature (Component Area Option Code 090/094)	3	POSI 2310 (Government/ Political Science Component Code 070)	3
	17		16

Junior

First Semester	Hours	Second Semester	Hours
CS 3339	3	CS 3398	3
EE 2400	4	MATH 3305	3
ENG Literature	3	Life & Physical Sciences[1]	4
Life & Physical Sciences[1]	4	HIST 1310 (American History Component Code 060)	3
		CS Concentration elective: select one of the following	3
		CS 4310	
		CS 4318	
		CS 4380	
		CS 4388	
	14		16

Senior

First Semester	Hours	Second Semester	Hours
CS 3369	3	Select one of the following:	3
CS 4328	3	CS 4318	
HIST 1320 (American History Component Code 060)	3	CS 4326	
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	CS 4371	
		CS 4380	
		CS 4398	
		Math/Applied Math Minor	3
		POSI 2320 (Government/ Political Science Component Code 070)	3
		Social & Behavioral Sciences Component Code 080	3
		Electives	2
	12		14

Total Hours: 120

[1] Computer Science majors must take sixteen hours (4 courses) of Life & Physical Sciences from: BIO 1330/BIO 1130 & BIO 1331/BIO 1131; PHYS 1315/PHYS 1115 & PHYS 1325/PHYS 1125 [or PHYS 1430 & PHYS 2425]; CHEM 1341/CHEM 1141 and CHEM 1342/CHEM 1142; or GEOL 1410 & GEOL 1420. Eight hours (2 courses) must be from the same science (BIO, CHEM, GEOL, or PHYS) as listed above. Field of Study requirements of PHYS 1430 and PHYS 2425 will be used to satisfy this requirement.

Minor in Computer Science

The minor in Computer Science requires 22 semester credit hours.

Code	Title	Hours
Required Courses		
CS 1428	Foundations of Computer Science I	4
CS 2308	Foundations of Computer Science II	3
CS 2318	Assembly Language	3
CS 3358	Data Structures	3
Choose 6 hours of advanced CS courses		6
MATH 2358	Discrete Mathematics I	3
Total Hours		22

Ingram School of Engineering

Roy F. Mitte Building Room 5200
T: 512-245-1826 F: 512-245-7771
www.engineering.txstate.edu (http://www.engineering.txstate.edu)

The Bachelor of Science (B.S.) degree with a major in Electrical Engineering provides students the background that is essential for the conception, design, development, and manufacture of electrical, electronic and information technology products and systems. Students may specialize in the areas of networks and communication systems, micro and nano devices and systems, or computer engineering. Proficiency in mathematics is especially important in Electrical Engineering. In order to be admitted to the EE program, a student needs to be qualified to take MATH 2417 or higher. The B.S. with a major in Electrical Engineering and the B.S. with a major in Electrical Engineering with Computer Engineering Concentration are both accredited by the Engineering Accreditation Commission of ABET (www.abet.org (http://www.abet.org)).

The B.S. major in Industrial Engineering provides students the background that is essential for improving the productivity, quality, safety, and cost effectiveness of all types of systems and processes. Industrial engineers are typically engaged in the areas of quality assurance, ergonomics, production and operations management, facilities design, work design, system optimization, information technology, and industrial safety. In order to be admitted to the IE program, a student needs to be qualified to take MATH 2417 or higher. The B.S. major in Industrial Engineering is accredited by the Engineering Accreditation Commission of ABET (www.abet.org (http://www.abet.org)).

The B.S. major in Manufacturing Engineering is designed to provide students with the mathematics, science, management, engineering, and applications skills needed to become manufacturing engineers. These engineers are typically responsible for promoting manufacturability, process planning, tool design, cost estimation, factory layout, work methods, quality assurance, automation, and systems integration. The degree has a concentration in general manufacturing or in mechanical systems. The B.S. major in Manufacturing Engineering is accredited by the Engineering Accreditation Commission of ABET (www.abet.org (http://www.abet.org)).

Annual student enrollment and graduation data is posted by the institution and is accessed through the website http://www.engineering.txstate.edu/About/Data.html.

The B.S. major in Civil engineering is designed to provide students with an education that addresses the emerging field of technology-enchanced (Smart) infrastructure as well as fundamental concepts in environmental, geotechnical, materials, structural, transportation, and water resources engineering. In addition to being capable of designing a range of infrastructure assets, graduates will have experience with sensor devices, data transmission and storage systems, big data and machine learning protocols, predicative modeling, and automated infrastructure management technologies. Further, students will be prepared to take the Fundamentals of Engineering and, later in their professional career. Principles and Practice of Engineering exams. The B.S. major in Civil engineering will seek accrediation in accordance with the process specified by the Engineering Accreditation Commission of ABET.

The Ingram School of Engineering Mission Statement

1. To provide students with an exceptional education in various disciplines of engineering,
2. To establish, through dedicated faculty, a nationally recognized research program, preparing interested students to achieve excellence in graduate studies and research, and
3. To serve the State of Texas and the nation by creating highly skilled, diverse, and motivated professionals capable of technological innovation and dedicated to the improvement of society.

The Ingram School of Engineering Vision Statement

The Ingram School of Engineering will be a nationally recognized institution of higher education, serving students and employers with a complete set of accredited engineering programs supported by a faculty which maintains high standards of teaching, research, and service. To accomplish this vision, we will:

1. Engage undergraduate and graduate students with innovative, multidisciplinary, and nationally recognized funded research programs,
2. Emphasize quality undergraduate and graduate education using a practical, interactive, and contemporary learning environment,
3. Produce first-generation professional college graduates as part of an HSI-designated university; be recognized for exceptional community service; and create tight bonds with alumni who will serve as professional mentors, sponsors, and advisors, and
4. Promote a student-centered culture based on collegiality, scholarship, enthusiasm, integrity, and mutual respect among diverse faculty, staff, and students.

The Electrical Engineering Mission Statement, Program Educational Objectives, and Student Outcomes

Our mission is:

To lead students to be innovative, ethical engineering professionals through solid education at the undergraduate level, by providing opportunities to participate in research, and by responding to the needs of the Central Texas region, the state of Texas, and the nation. We achieve this mission by:

- Engaging colleagues and students in new and more effective ways to transmit knowledge to the next generation of electrical and computer engineers.
- Engaging colleagues and students in pioneering, scholarly, multidisciplinary research efforts.
- Creating an inclusive environment which emphasizes ethics and integrity and fosters creativity, appreciation for all ideas, and respect for others.
- Seeking and maintaining bonds with our alumni and the industries which hire them.
- Maintaining a student-centered atmosphere for undergraduate education and research.

The objectives of the program are to produce graduates who, in 3-5 years of receiving the EE degree, attain the necessary skills and abilities to:

1. Analyze, design, develop, optimize, and implement complex systems in the context of modern engineering work.
2. Contribute to the solution of practical problems in industrial, service, and government organizations by applying skills acquired through continual learning.
3. Enjoy fulfilling engineering careers, including professional advancement, entrepreneurship, and the pursuit of graduate studies.
4. Practice engineering while observing appropriate technological, organizational, societal, global, and ethical contexts.

Each graduate is expected to have:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

3. an ability to communicate effectively with a range of audiences.
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and social contexts.
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data and use engineering judgment to draw conclusions.
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

(A) a knowledge of probability, statics, and mathematics through differential and integral calculus, differential equations, linear algebra, complex variables, and discrete mathematics.

(B) a knowledge of sciences and engineering topics (including computer science) necessary to analyze and design complex electrical and electronic devices, software, and systems containing hardware and software components.

The Industrial Engineering Mission Statement, Program Educational Objectives, and Student Outcomes

Our mission is:

To provide an excellent and innovative education setting to our students so they can learn and discover how complex systems work better. The IE program strives to maintain a comprehensive curriculum that enables students to become leading engineers and/or creative researchers in the global marketplace and/or in graduate studies. The program seeks to collaborate with private and public sectors in the search of methodologies and creative solutions to problems that contribute to the advancement of education, technology, and professional development. Through plans and activities that search to embrace a student population of strong diversity, the program attempts to be a significant provider of an global workforce.

Within 3-5 years after graduation, graduates of our IE program are expected to be able to attain the following educational objectives:

1. Perform as industry leaders in the global marketplace, capable of successfully planning, controlling, and implementing large-scale projects.
2. Understand and apply the principles of science, technology, engineering, and math involving industry-relevant problems.
3. Contribute to the profitable growth of industrial economic sectors by using IE analytical tools, effective computational approaches, and systems thinking methodologies.
4. Maintain high standards of professional and ethical responsibility.
5. Work effectively in diverse, multicultural environments emphasizing the application of teamwork and communication skills.
6. Practice continual learning to sustain technical currency and excellence throughout one's career. Promote the profession and its benefits to society.

Each graduate is expected to have:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.
8. An ability to design, develop, implement, and improve integrated systems that include people, materials, equipment and energy, and to accomplish the integration of systems using appropriate analytical, computational, and experimental practices.

The Manufacturing Engineering Mission Statement, Program Educational Objectives, and Student Outcomes

Our mission is:

- To sustain a quality, student-centered, industry-oriented engineering curriculum.
- To attract students and prepare them with the knowledge, practical skills, and abilities to perform as highly competent engineers in the global marketplace and/or in graduate studies.
- To produce graduates skilled in materials and manufacturing processes; process, assembly and product engineering; manufacturing competitiveness and systems design.

Within 3-5 years after graduation, graduates of our Manufacturing Engineering program are expected to be able to attain the following educational objectives:

1. Perform as technical leaders in the global marketplace.
2. Analyze, design, develop, optimizeimplement, and evaluatecomplex manufacturing systems and processes in the context of modern interdisciplinary engineering work.
3. Contribute to the profitable growth of manufacturing businesses.
4. Maintain high standards of professional and ethical responsibility.
5. Practice coninutal learning.

Each graduate is expected to have:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety,

and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

The Civil Engineering Mission Statement, Program Educational Objectives, and Student Outcomes

Our mission is:

To provide a rigorous, practical, interdisciplinary education within a diverse environment and focused on the design, monitoring, and management of technology-enhanced infrastructure. Graduates shall be uniquely prepared to succeed in professional employment, continuing education, and industry leadership for the benefit of Texas, the nation, and the world beyond.

Within 3-5 years after graduation, graduates of our Civil Engineering program are expected to be able to attain the following educational objectives:

1. Graduates shall enter into civil engineering practice, graduate studies, or another professional career.
2. Graduates shall contribute to the implementation of SMART and Internet of Things (IoT) technology in their professional work.
3. Graduates shall communicate professionally and effectively in technical and non-technical settings.
4. Graduates shall maintain high standards of professional and ethical responsibility.
5. Graduates shall advance professionally through graduate and continuing education opportunities.
6. Graduates shall serve as leaders in the community and within the profession.
7. Graduates shall become licensed Professional Engineers.

Each graduate is expected to have:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Admissions Requirements

Electrical Engineering

1. In order to declare Electrical Engineering as a major, students must meet one of the following prerequisites:

- ACT Math score of 24 or higher,
- SAT Math score of 520 (re-centered) or higher, or
- credit for one of the following math courses with a grade of "C" or higher:

Code	Title	Hours
MATH 1315	College Algebra	3
MATH 1317	Plane Trigonometry	3
MATH 1319	Mathematics for Business and Economics I	3
MATH 1329	Mathematics for Business and Economics II	3

2. Students who do not meet the above prerequisites may choose Pre-Electrical Engineering as their major. Pre-Electrical Engineering students who complete one of the following math courses with a grade of "C" or higher may declare Electrical Engineering as their major:

Code	Title	Hours
MATH 1315	College Algebra	3
MATH 1317	Plane Trigonometry	3
MATH 1319	Mathematics for Business and Economics I	3
MATH 1329	Mathematics for Business and Economics II	3

Industrial Engineering

1. In order to declare Industrial Engineering as a major, students must meet one of the following prerequisites:

- ACT Math score of 24 or higher,
- SAT Math score of 520 (re-centered) or higher, or
- credit for one of the following math courses with a grade of "C" or higher:

Code	Title	Hours
MATH 1315	College Algebra	3
MATH 1317	Plane Trigonometry	3
MATH 1319	Mathematics for Business and Economics I	3
MATH 1329	Mathematics for Business and Economics II	3

2. Students who do not meet the above prerequisites may choose Pre-Industrial Engineering as their major. Pre-Industrial Engineering students who complete one of the following math courses with a grade of "C" or higher may declare Industrial Engineering as their major:

Code	Title	Hours
MATH 1315	College Algebra	3
MATH 1317	Plane Trigonometry	3

MATH 1319	Mathematics for Business and Economics I	3
MATH 1329	Mathematics for Business and Economics II	3

Bachelor of Science (B.S.)

- Major in Civil Engineering (p. 654)
- Major in Electrical Engineering (Computer Engineering Concentration) (p. 655)
- Major in Electrical Engineering (Micro and Nano Devices and Systems Concentration) (p. 656)
- Major in Electrical Engineering (Networks and Communication Systems Concentration) (p. 658)
- Major in Industrial Engineering (p. 660)
- Major in Manufacturing Engineering (General Manufacturing Concentration) (p. 661)
- Major in Manufacturing Engineering (Mechanical Systems Concentration) (p. 663)

Subjects in this school include: CE, EE (p. 645), ENGR (p. 649), IE (p. 650), MFGE (p. 652)

Courses in Civil Engineering (CE)

CE 1210. Introduction to Smart Infrastructure.
This course is an overarching study of municipal and private infrastructure and the use of modern technology and techniques to monitor and manage these assets. Topics and case studies examine transportation, water resources, utilities, and other construction projects. General topics related to the civil engineering profession are also covered.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 2340. Infrastructure Materials.
This course examines the composition, production, engineering properties, and in-place behavior of materials used to construct and repair infrastructure assets. Sensing devices used to monitor a material are discussed. Students will learn to follow standard test methods, perform data acquisition, conduct data analysis, and visualize test data. Prerequisite: CHEM 1335 and ENGR 3311 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 2350. Structural Analysis.
This course is an introduction to the loading, response, analysis, and monitoring of infrastructure assets. Determinate and indeterminate structures are studied. Analysis by classic and modern computational methods are covered. The analysis of data obtained from sensing devices in, on, or remote to an infrastructure asset is discussed. Prerequisite: ENGR 3311 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 3310. Applications in Smart Infrastructure.
This course presents students with realistic civil engineering scenarios involving various infrastructure assets. Students work in teams using commercially available monitoring devices and programmable single-board microcontrollers to gather, transmit, and analyze measured data with the objective of developing a solution for each individual project. Prerequisite: CE 1210 and CS 1342 and ENGR 3373 all with grades of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 3320. Environmental Engineering.
This course is an introduction to environmental engineering. Topics include treatment of water, wastewater, air pollution, solid waste pollution, and hazardous materials. Standard test procedures for evaluating physical, chemical, and biological treatment processes are introduced. The use of technology to manage treatment processes and facilities will be introduced. Prerequisite: CHEM 1335 and [(BIO 1130 and BIO 1330) or (BIO 1131 and BIO 1331) or GEOL 1410] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 3330. Soil Mechanics.
This course examines the engineering characteristics of soil. Topics include identification, compaction, shear strength, consolidation, vertical stress, and deformation. Standard laboratory test methods are followed. Advanced data analysis, interpretation, and visualization techniques are presented. Prerequisite: ENGR 3311 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 3331. Infrastructure Foundations.
This course investigates foundation systems which support infrastructure assets. Shallow and deep foundations, piles, footings, mats, and retaining walls may be covered. Foundations are evaluated for consolidation, rate of settlement, stress distribution, elastic settlement, and bearing capacity. Life-cycle management of foundations will be examined. Prerequisite: CE 3330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 3350. Design of Reinforced Concrete Infrastructure.
This course covers the analysis and design of reinforced concrete infrastructure assets. Topics include columns, beams, one-way slabs, and footings. Students will learn how to read, interpret, and use specifications and design codes. The use of technology to monitor the behavior of a reinforced concrete infrastructure asset will be introduced. Prerequisite: CE 2340 and CE 2350 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 3360. Transportation Planning and Infrastructure.
This course is an introduction to the planning and design of transportation infrastructure assets. Social, economic, safety, and engineering issues impacting transportation are examined. Interactions between users, vehicles, and the infrastructure will be addressed. The expanding use of technology to enhance transportation systems will be examined. Prerequisite: IE 3320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4310. Infrastructure Sensor Technologies.
This course is an advanced study of the sensor technologies available to monitor the performance and behavior of infrastructure assets. Prerequisite: CE 3310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4311. Communication Systems for Smart Infrastructure.
This course examines the issues and processes involved in the transmission of data between sensor devices and data storage centers. Topics include data communication principles, transmission signals, wireless and wired communication systems, security, and examples of best practices. Prerequisite: ENGR 3373 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4320. Biological Wastewater Management.
This course examines biological treatment processes for domestic and industrial wastewater. The use of sensor technologies to monitor the effectiveness of a treatment option is also addressed. Prerequisite: CE 3320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4321. Hazardous Waste Management.
This course is a study of best management practices relative to hazardous waste. Topics include contamination processes, site investigations, detection, analysis methods, evaluation methods, and risk management, and treatment protocols. The use of technology to manage the life-cycle performance of contaminated hazardous wastes sites will be studied. Prerequisite: CE 3320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4322. Air Pollution Management.
This course is an introductory study of air pollution. Topics include sources, quality, meteorological influences, atmospheric dispersion modeling, and control methods. The use of sensor technologies to monitor the effectiveness of an air pollution control option is also addressed. Prerequisite: CE 3320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4330. Design of Retaining Structures.
This course examines the design of geotechnical structures, such as a retaining wall, that retain soil or another material. The use of technology to manage the life-cycle performance of retaining structures will be studied. Prerequisite: CE 3331 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4350. Design of Prestressed Concrete Infrastructure.
This course covers the analysis and design of prestressed concrete infrastructure assets. Topics include columns, beams, slabs, pipes, and piles. Students will learn how to read, interpret, and use specifications and design codes. The use of technology to monitor the behavior of a prestressed concrete infrastructure asset will be introduced. Prerequisite: CE 3350 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4351. Design of Steel Infrastructure.
This course covers the analysis and design of steel infrastructure assets. Topics include connections, columns, beams, and beam-columns. Students will learn how to read, interpret, and use specifications and design codes. The use of technology to analyze the behavior of steel infrastructure assets will be introduced. Prerequisite: CE 2350 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4360. Intelligent Transportation Systems.
This course is a study of the components, technologies, and infrastructure assets that comprise intelligent transportation systems (ITS). Smart technologies, data acquisition, and communication sub-systems will be examined within the context of personal, commercial, and public transportation. Coverage will include mobility, public safety, socio-economic and environmental factors impacting transportation systems. Prerequisite: CE 3310 and CE 3360 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4361. Highway Engineering.
This course covers alignment, interchange, construction, and maintenance issues related to highways. Topics include cross-sections, horizontal and vertical alignment, sight distance, pavement design, drainage analysis, traffic engineering, highway capacity, and construction materials. The analysis of data obtained from sensing devices during construction or use of a highway is also discussed. Prerequisite: CE 3360 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4370. Hydraulics.
This course is an examination of the properties, distribution, and circulation of water. Topics include pipe flow, pipe networks, pumps, and open channel flow. The use of sensors to monitor fluid flow, pressure, and leaks will be addressed. Advanced data analysis and visualization techniques will be presented. Prerequisite: ENGR 3380 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4371. Hydrology.
This course is an examination of surface and groundwater hydrology. Topics include the hydrologic cycle, groundwater flow, wells, storm water management practices, open channel flow, stream flow measurements, hydrologic routing, modeling, probability, and applications. The use of sensors to monitor hydrologic activity is also addressed. Prerequisite: CE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4372. Water and Wastewater Treatment.
This course is a study of the physical, chemical, and biological processes used to clean water and wastewater. The use of sensors to monitor treatment processes is also addressed. Prerequisite: CE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4390. Civil Engineering Design I.
This is the first in a two-course sequence meant to prepare students for engineering practice with a culminating major design experience. This course covers the planning, scheduling, budgeting, and management aspects of a technology-enhanced infrastructure design project. Prerequisite: CE 3310 and CE 3330 and CE 3350 and CE 3360 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CE 4391. Civil Engineering Design II.
This is the second in a two-course sequence meant to prepare students for engineering practice with a culminating major design experience. This course focuses on the completion of all phases of the design project. Prerequisite: CE 3320 and CE 4390 both with grades of "C" or better. Corequisite: CE 3331 and CE 4370 and GEO 4356 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CE 4392. Sustainable Infrastructure.
This course examines the sustainability characteristics of various infrastructure assets. The assets and characteristics examined will be established by the course instructor. Examples include pervious pavements, sustainable construction materials, and sustainability in the design process. The use of technology to manage the life-cycle performance of an asset will be studied. Prerequisite: CE 3331, CE 3350, CE 3360, and CE 3380 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Courses in Electrical Engineering (EE)

EE 2400. Circuits I.
This course provides an introduction to the profession of Electrical Engineering and its specialties. Fundamental DC and sinusoidal steady-state circuit analysis techniques include Ohm's law, power, Kirchoff's laws, and Thevenin and Norton equivalent circuits. Prerequisites: MATH 2471 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

EE 2420. Digital Logic.
An introduction to fundamental computer technologies, including Boolean logic design, logic circuits and devices, and basic computer hardware are studied. Laboratories provide hands-on experience with electricity, combinational and sequential digital circuits, and computer hardware. Prerequisite: CS 1428 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 3326. Numerical and Scientific Data Analysis Using Python.
This course introduces Python programming for engineers. Topics include basics of Python programming, introduction to numerical Python (NumPy), scientific programming using Python (SciPy), data visualization using Matplotlib, data processing using Pandas and introduction to Object Oriented Programming using Python. Prerequisite: CS 1342 or CS 1428 either with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

EE 3340. Electromagnetics.
Topics in this course include wave propagation, Maxwell's equations, transmission lines, wave guides, and antennas. Prerequisite: EE 3400 and MATH 3373 and PHYS 2425 and PHYS 2435 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 3350. Electronics I.
Analysis and design of active device equivalent circuits with emphasis on transistors, switching circuits, and operational amplifiers. Prerequisites: EE 3400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 3355. Solid State Devices.
Semiconductor materials, principles of carrier motion, operating principles and circuit models for diodes, bipolar transistors and field-effect transistors. Introduction to integrated circuits. Prerequisite: EE 3400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 3370. Signals and Systems.
Frequency domain representation of signals and systems and frequency domain concepts for circuit analysis and design. Transfer function and frequency response, Laplace and z-transforms, Fourier series, Fourier transform, and sampling. Prerequisite: EE 3400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 3400. Circuits II.
This course includes a brief review of EE 2400, transient analysis, application of Laplace transforms, Bode plots, and network principles. Materials learning in EE 2400 is extended and applied here. Prerequisites: EE 2400 and MATH 3323 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

EE 3420. Microprocessors.
Introduction to microprocessors, principles of operation, assembly language programming, timing analysis, and I/O interfacing. Prerequisites: EE 2420 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

EE 4321. Digital Systems Design Using HDL.
This course will cover the design of digital systems using HDL including implementation of custom microprocessor and peripheral architectures. Prerequisite: EE 3420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4323. Digital Image Processing.
This course provides the necessary fundamental techniques to analyze and process digital images. It covers principles, concepts, and techniques of digital image processing and computer vision. Prerequisites: CS 1428 and EE 3420 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4350. Electronics II.
Analysis and design of integrated circuits, feedback, and frequency response. Prerequisites: EE 3350 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4351. Fundamentals of Electroceramics.
Introduction to binary and ternary phase diagrams, non-centro-symmetric crystal structures and symmetry groups, nonlinear dielectrics (including ferroelectricity, piezoelectricity, pyroelectricity), nonlinear magnetics, oxide wideband gap semiconductors, detectors and sensors, brief introduction to MEMS, radhard electronics, and spintronics technology. Research oriented labs related to materials processing, characterization, fabrication, and testing. Prerequisite: ENGR 2300 with a grade of "C" or better and a minimum 2.25 Overall GPA. Corequisite: EE 3355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4352. Introduction to VLSI Design.
Analysis of design of CMOS integrated circuits. Introduction to CAD tools for VLSI design. Prerequisites: EE 3350 and [CS 2420 or EE 2420] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4353. Fundamentals of Advanced Semiconductor Technology.
Key concepts of advanced semiconductor technology including Moore's law, MOSFETs and CMOS, CMOS scaling, high-K gate dielectrics, new channel materials replacing silicon, three dimensional device structures, compound semiconductor MESFET, HEMT, LED, Lasers and solar cells. Prerequisite: EE 3355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4354. Flexible Electronics.
This course will cover the materials systems, processes, device physics and applications of flexible electronics. The materials range from amorphous and nanocrystalline silicon, organic and polymeric semiconductors to solution cast films of carbon nanotubes. Real device discussions include high speed transistors, photovoltaics, flexible flat-panel displays, medical image sensors, etc. Prerequisites: EE 3350 and EE 3355 and EE 4350 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4355. Analog and Mixed Signal Design.
Operational amplifier design applications, feedback, offset, stability, and compensation. Introduction to random signals and noise, discrete time circuitry analog-to-digital converters, and digital-to-analog converters. Prerequisites: EE 3370 and EE 4350 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4356. Power Electronics.
This course provides an introduction to power electronics and the use of such circuits for the control and conversion of electric power. Topics include semiconductor power devices and characteristics, DC-DC and multilevel converters, power inverters, and AC voltage controllers. Prerequisite: EE 4350 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4358. Introduction to Microelectromechanical Systems.
This course will cover fabrication techniques for microelectromechanical devices and systems as well as provide an introduction to the design of micromechanical transducers. Co-requisite: MFGE 4392 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4360. Linear Control Systems.
This course provides an introduction to linear continuous-time and discrete-time automatic control systems. Topics include time and frequency domain modeling and analysis, state variable analysis, feedback, transient and steady state response, stability, and sensitivity. Prerequisite: EE 3370 and MATH 3377 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4370. Communication Systems.
Transmission of signals through linear systems, analog and digital modulation, filtering, and noise. Prerequisites: EE 3370 and IE 3320 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4372. Communication Networks.
Data communication concepts, protocols, algorithms, 7-layer OSI model, physical media, LAN architecture and components, Ethernet, FDDI, TCP/IP, and related standards. Prerequisite: EE 2400 and EE 3420 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4374. Introduction to Wireless Communication.
Principles, practice, and system overview of mobile systems. Modulation, demodulation, coding, encoding, and multiple access techniques. Prerequisites: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4375. Building a Smart Grid Architecture.
In this course, students will learn the current 20th-century power grid structure and the key elements required to transform it to a 21st-century Smart Grid. Topics include two-way power/data flow to monitor, control, manage and integrate traditional bulk generation and bulk/renewable/distributed generation. Prerequisite: EE 3370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4376. Introduction to Telecommunications.
Fundamentals of telecommunications, telephone networks, switching and transmission systems, circuit and packet switching, cell processing, and queuing theory and applications. Co-requisite: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4377. Introduction to Digital Signal Processing.
Discrete systems, convolution, spectral analysis, and FIR and IIR filter design. Prerequisites: EE 3370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4378. Data Compression and Error Control Coding.
Introduction to information theory, information content of messages, entropy and source coding, data compression, channel capacity data translation codes, and fundamentals of error correcting codes. Corequisite: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4390. Electrical Engineering Design I.
This course is a team-based design of a system or component, which will include oral presentations and written reports. Prerequisites: EE 3350 and EE 3370 and EE 3420, all with a grade of "C" or better. Co-requisites: EE 4352 or EE 4370. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

EE 4391. Electrical Engineering Design II.
Advanced team-based design of a system or component, which will include oral presentations and written reports. (WI) Prerequisites: EE 4390 with a grade of "C" or better. Corequisite: EE 4352 or EE 4370 either with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

EE 4399A. Dynamic Data Acquisition and Analysis.
Methods for acquiring and analyzing dynamic (time-varying) data. Frequency domain analysis, analog-to-digital conversion, windowing, and digital filtering taught in the context of various industrial applications. Prerequisite: EE 3370 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 4399B. Overview of Information Theory and Coding.
Fundamentals of Information Theory, Huffman coding, image encoding techniques, Hamming and BCH error control codes, Reed-Solomon coding, convolutional codes and the Viterbi decoding algorithm. Prerequisite: EE 3370 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Courses in Engineering (ENGR)

ENGR 1313. Engineering Design Graphics.
An introductory communications course in the tools and techniques utilized to produce various types of working drawings. Principles of multiview projections, geometric relationships, shape and size description, and pictorial methods are included with emphasis on technical applications and design problem solving.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

ENGR 2300. Materials Engineering.
Structure, properties and behavior of engineering materials including metals, polymers, composites and ceramics. Mechanical, electrical, magnetic, thermal, and optical properties are covered. Prerequisite: CHEM 1141 and [CHEM 1335 or CHEM 1341] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 3190. Cooperative Education.
This course provides special problems in engineering for cooperative education students. Problems are related to the student's work assignment and culminate in an industrial supervisor's evaluation and technical report or presentation. The course may be repeated up to 3 times, and 2 to 3 credits apply towards a program elective. Prerequisite: Minimum 2.25 Overall GPA.
1 Credit Hour. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENGR 3311. Mechanics of Materials.
This course covers the principles of mechanic materials and includes the following topics: stress and strain; elastic modulus and Poisson's ratio; constitutive equations; torsion; bending; axial, shear and bending moment diagrams; deflection of beams; and stability of columns. Prerequisite: ENGR 3375 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

ENGR 3315. Engineering Economic Analysis.
Interest formulas, economic equivalence, rate of return analysis, techniques of economic analysis for engineering decisions and an introduction to cost estimation. Prerequisite: MATH 1315 or MATH 2417 or MATH 2471 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 3360. Structural Analysis.
Structural engineering fundamentals to include design loads, reactions, force systems, functions of a structure, and the analysis of statically determinate and indeterminate structures by classical and modern techniques. Prerequisite: ENGR 3311 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

ENGR 3373. Circuits and Devices.
DC and AC circuit analysis, network theorems, electromechanical devices, electronic devices and an introduction to amplifiers, oscillators and operational amplifiers. Prerequisite: PHYS 2425 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

ENGR 3375. Mechanics for Engineers.
This course covers statics, using a vector approach to mechanics. Prerequisite: PHYS 1430 with a grade of "D" or better. Corequisite: MATH 2472 or MATH 2473 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 3380. Fluid Mechanics.
This course is an introduction to fluid motion. Fluid flow, pressure, energy, and momentum are examined. Dimensional analysis is also covered. Sensing devices used to monitor a fluid are discussed. Students will learn to follow standard laboratory procedures, perform data acquisition, conduct data analysis, and visualize test data. Prerequisite: ENGR 3375 and MATH 3323 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 4390. Internship.
Supervised on-the-job professional learning experience in engineering and other technical areas. This course provides practical work experience in their particular field of interest.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 4395. Independent Studies in Engineering.
Open to undergraduate students on an independent basis by arrangement with the faculty member concerned.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Courses in Industrial Engineering (IE)

IE 3310. Project Management for Engineers.
Basic principles governing the efficient and effective management of engineering projects. Topics include project planning, scheduling, and cost estimation procedures. Prerequisite: ENGR 3315 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

IE 3320. Engineering Statistics.
Fundamentals of probability and statistical inference for engineering applications, probability distributions, parameter estimation, and hypothesis testing. Prerequisite: MATH 2472 or MATH 2473 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

IE 3330. Quality Engineering.
Quality assurance systems, quality costs, statistical quality control, and approaches for engineering quality into products and processes. Prerequisite: IE 3320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 3340. Operations Research.
This course teaches models in operations research including linear programs, the simplex method, duality theory, sensitivity analysis, integer programs, and network flows. The emphasis is in learning to recognize, formulate, solve, and analyze practical industrial problems. The course also teaches commercial mathematical programming languages. Prerequisite: CS 1428 and ENGR 3315 and MATH 3377 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 3360. Methods Engineering and Ergonomics.
This course is a survey of methods for assessing and improving performance of individuals and groups in organizations. Techniques include various basic industrial engineering tools, work analysis, data acquisition and application, performance evaluation and appraisal, and work measurement procedures. Prerequisite: IE 3320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4310. Statistical Design of Experiments.
Statistically designed experiments for engineering applications. Topics include analysis of variance, randomized complete designs, factorial designs, empirical models generated from controlled experiments, and response surfaces. Prerequisite: IE 3320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4320. Integrated Production Systems.
Basic concepts in the design and control of integrated production systems to include forecasting, inventory models, material requirements planning, scheduling, planning, and shop floor control. Prerequisite: IE 3340 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4330. Reliability Engineering.
Reliability of components and systems, reliability models, life testing, failure analysis, and maintainability. Prerequisite: IE 3320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4340. Optimization Techniques.
Mathematical modeling and computational methods for linear, integer, and nonlinear programming problems. Prerequisite: IE 3340 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4350. Supply-Chain Engineering.
The analysis of supply chain problems to include facility location, customer assignment, vehicle routing, inventory management, and the role of information and decision support systems in supply chains. Prerequisite: IE 3340 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4355. Facilities Planning.
Planning, design, and analysis of facilities. Emphasizes the principles and methods used for solving plant layout, facility location, material handling, automation, computer integration, and warehouse operations. Prerequisite: ENGR 3315 and MFGE 2332 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4360. Human Factors Design.
This course will emphasize the applications of human factors engineering to systems design. Prerequisites: IE 3360 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

IE 4370. Probabilistic Operations Research.
Probabilistic models in operations research to include queuing theory, simulation, and Markov chains. Emphasis will be placed on modeling applications to solve problems in industry and computing. Prerequisite: CS 1428 and IE 3320 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4390. Industrial Engineering Capstone Design.
Students form teams and apply industrial engineering principles to develop and implement solutions to industrial problems and/or systems engineering issues. Prerequisites: IE 3310 and IE 3330 and 6 hours from [IE 3360 or IE 4310 or IE 4355 or IE 4370 or MFGE 4396] all with grades of "D" or better. Corequisites: IE 4320 and IE 4350 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4392. Industrial Engineering Design I.
Student teams apply engineering principles and standards under realistic constraints to develop solutions for industrial problems and/or systems engineering issues. This course is the first part of a two-course sequence and is followed by Industrial Engineering Design II (IE 4393). Prerequisite: IE 3330 and IE 3340 and IE 3360 all with grades of "D" or better. Corequisite: 6 hours from [IE 4310 or IE 4355 or IE 4370] both with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

IE 4393. Industrial Engineering Design II.
Student teams complete implementation of solutions to industrial problems and/or systems engineering issues with realistic constraints. This course is the the second in a two-course sequence, and is continuation of Industrial Engineering Design I (IE 4392). Prerequisite: IE 4392 and 6 hours from [IE 4310 or IE 4355 or IE 4370] all with grades of "D" or better. Corequisite: 6 hours from [IE 4320 or IE 4350 or MFGE 4396] both with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

IE 4399A. Lean Six Sigma Methodologies.
This course covers the principles and methodologies of Six Sigma and Lean Manufacturing. Emphasis is on the tools and techniques used in Lean Six Sigma projects, including statistical process control, experimental design, project management and lean tools. Students will develop and complete a Lean Six Sigma project in industry. Prerequisite: IE 3330 and IE 4310 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 4399D. Modern Heuristic Optimization Techniques.
Heuristic methods that search beyond local optima such as simulated annealing, tabu search, genetic algorithms, ant-colony systems, and particl swarm. Papers from the literature, problem-specific heuristics, evaluation methods and serial/parallel implementations are discussed. This course is an advanced undergraduate course for students in engineering and related fields. Prerequisite: CS 1428 and IE 3340 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 4399E. Introduction to Systems Engineering.
This course includes introductory topics in systems engineering and the systems-thinking process. The focus of the course is on the development of complex systems. Important topics include system understanding, modeling and design, the system development process, needs analysis, concept exploration and definition, design, integration and evaluation, and systems engineering management. Prerequisite: IE 3320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 4399F. Introduction to Data-Intensive Analysis and Simulation.
This course covers the foundational topics in data science and consists of three parts: The first part focuses on data extraction from databases, sensors and social media. The second part reviews data-intensive analysis through statistics and machine learning tools. The third part introduces the concept of farming data using design of experiments methodologies and computer simulation. Prerequisites: IE 3340 and IE 4310 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Courses in Manufacturing Engineering (MFGE)

MFGE 2132. Manufacturing Processes Lab.
Hands-on experience in variety of material removal processes such as turning, milling, drilling, and CNC machining; joining processes such as gas/arc welding, and soldering; metal casting, polymer and composite processing, and microelectronics manufacturing. Corequisite: MFGE 2332 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 2332. Material Selection and Manufacturing Processes.
Overview of material processing, material selection and process parameter determination. Processes covered include: material removal, forming, casting, polymer processing, semiconductor manufacturing and assembly processes. Laboratory activities provide opportunities for applying the design through manufacture activities of the product cycle. Corequisite: ENGR 2300 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 3316. Computer Aided Design and Manufacturing.
Topics include design process, description of wireframe/surface/solid models, transformation and manipulation of objects, finite element analysis, data exchange, process planning, machine elements, fundamentals of numerical control programming for turning and milling processes, fundamentals of CAD/CAM systems, CNC code generation by CAD/CAM software, waterjet, and plasma cutting. Prerequisites: ENGR 1313 and ENGR 2300 and MFGE 2332 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 4355. Design of Machine Elements.
This course will cover the general procedures in designing various machine elements. These elements include shafts and flexible elements, springs, welded/riveted/brazed joints, screw fasteners, rolling/sliding contact bearings, gears, cams, and followers. Emphasis will be placed on using standard design practices. Prerequisite: ENGR 3311 or TECH 2351 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 4357. Dynamics of Machinery.
This course will cover kinematics and kinetics of particles; kinematics and kinetics of rigid bodies in two and three dimensions; application of dynamics to the analysis and design of machine and mechanical components; mechanical vibrations; linkages; gear trains; and balancing of machines. Prerequisite: ENGR 3375 and MATH 3323 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 4363. Concurrent Process Engineering.
Integrated design and development of products and processes; impact of ethical issues on design; the discussion of real-world engineering problems and emerging engineering issues with practicing engineers; preparation of reports; plans or specifications; cost estimation; project management, communication and the fabrication of an engineered product/system. (WI) Prerequisites: ENGR 3311 and MFGE 4365 both with grades of "D" or better. Corequisites: IE 3330 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MFGE 4365. Tool Design.
Design of single and multi-point cutting tools, jig and fixture design, gage design, and the design of tooling for polymer processing and sheet metal fabrication. Laboratory projects will involve the use of computer aided design and rapid prototyping. Prerequisite: MFGE 3316 or TECH 2310 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MFGE 4367. Polymer Properties and Processing.
Structure, physical & mechanical properties, design considerations and processing methods for polymer-based materials are presented. Processing methods include: injection molding, blow molding, thermoforming, compression molding, extrusion, filament winding, lay-up methods, vacuum bag molding and poltrusion. Prerequisite: MFGE 2332 or TECH 4362 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 4376. Control Systems and Instrumentation.
The theory of automated control systems and its applications to manufacturing systems are covered in this course. Topics covered include: modeling of systems, time and frequency domain feedback control systems, stability analysis, transducer and sensor technology and digital control. Prerequisite: ENGR 2300 and PHYS 1430 and [EE 3370 or MFGE 2332 or TECH 4362] all with grades of "D" or better. Corequisite: MATH 3323 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 4390. Manufacturing Engineering Design I.
This course is the first of a two course sequence involving integrated design and development of products and processes; impact of ethical issues on design; the discussion of real-world engineering problems and emerging engineering issues with practicing engineers; preparation of reports, plans and specifications; cost estimation; project management; and communication. Prerequisites: ENGR 3311 and MFGE 4365 both with grades of "D" or better. Corequisite: IE 3330 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MFGE 4391. Manufacturing Engineering Design II.
This course is the second of a two course sequence involving implementation of Integrated design and development of products and processes; impact of ethical issues; the discussion of real-world engineering problems and emerging engineering issues with practicing engineers; preparation of reports, plans and specifications; cost estimation; project management; and communication. Prerequisites: IE 3330 and MFGE 4390 both with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MFGE 4392. Microelectronics Manufacturing I.
Provides an overview of integrated circuit fabrication including crystal growth, wafer preparation, epitaxial growth, oxidation, diffusion, ion-implantation, thin film deposition, lithography, etching, device and circuit formation, packaging and testing. The laboratory component involves production and testing of a functional semiconductor device. Prerequisites: CHEM 1141 and CHEM 1341 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MFGE 4394. Microelectronics Manufacturing II.
Topics include: atomic models for diffusion, oxidation and ion implantation; topics related to thin film processes i.e. CVD, PVD; planarization by chemical-mechanical polishing and rapid thermal processing; and process integration for bipolar and MOS device fabrication. Students will design processes and model them using a simulation. Prerequisite: MFGE 4392 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 4395. Computer Integrated Manufacturing.
This course is an overview of computer integrated manufacturing is presented. Topics include control strategies for manufacturing systems, automated material handling systems, production planning, shop floor control, manufacturing execution systems, manufacturing databases and their integration, data communication and protocols and man/machine interfaces. Prerequisite: MFGE 3316 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MFGE 4396. Manufacturing Systems Design.
Applications of simulation modeling to the design and analysis of manufacturing systems are presented in this course. Topics covered include queuing theory and discrete event simulation methods. Design projects will involve the use of current simulation language for modeling and analysis of manufacturing systems. (WI) Prerequisite: IE 3320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MFGE 4399A. Reverse Engineering and Rapid Prototyping.
In the course 3D scanning technology for design, analysis, and inspection, is covered. Also, applications of the 3D scanning in reverse engineering and different rapid prototyping processes in a hands-on approach will be explained in this course.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MFGE 4399B. Introduction to Reinforced Polymer Nanocomposites in Industrial Applications.
Introductory course in reinforced polymer nanocomposites focusing on materials, manufacturing, characterization, and applications. Include, primarily nanoclay polymer matrix composites. Thrust will be the challenges in low-cost manufacturing for industrial applications, commercial successes, its impact on current material market, and future.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MFGE 4399C. Introduction to Industrial Robotics.
This course will cover the basic principles and techniques involved in industrial robotics. Emphasis will be placed on industrial robot applications, analysis of robot manipulators, components of industrial robots, robot programming and control. Prerequisite: MFGE 4376 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Bachelor of Science (B.S.) Major in Civil Engineering

Minimum required: 126 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. No minor is required in this Bachelor of Science degree program because of the breadth of the foundation and support coursework.
4. Nine semester credit hours must be writing intensive (WI).
5. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
6. All students in the Civil Engineering degree programs must complete Civil Engineering (CE) course prerequisites with a grade of “C” or higher.
7. For transfer students, 39 semester credit hours in chemistry, engineering, mathematics and physics (or their equivalents) may be transferred from a Texas public institution of higher education for the Civil Engineering Field of Study and be applied to the Bachelor of Science degree with a major in Civil Engineering at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
MATH 2471	Calculus I	4
TCCN: MATH 2413		
MATH 2472	Calculus II	4
TCCN: MATH 2414		
MATH 2473	Integral Calculus with Multivariables and Series	4
TCCN: MATH 2415		
MATH 3323	Differential Equations	3
TCCN: MATH 2320		
CHEM 1335	Engineering Chemistry	3
TCCN: CHEM 1309		
CHEM 1141	General Chemistry Laboratory I	1
TCCN: CHEM 1109		
PHYS 1430	Mechanics	4
TCCN: PHYS 2425		
PHYS 2425	Electricity and Magnetism	4
TCCN: PHYS 2426		
ENGR 1313	Engineering Design Graphics	3
TCCN: ENGR 1304		
ENGR 3311	Mechanics of Materials	3
TCCN: ENGR 2332		
ENGR 3375	Mechanics for Engineers	3
TCCN: ENGR 2301		
TCCN: ENGR 2302		
Total Hours		36

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
US 1100	1	ENG 1310 (Communication Component Code 010)	3
MATH 2471 (Mathematics Component Code 020)	4	MATH 2473 (Component Area Option Code 090/092)	4
PHYS 1430 (Life & Physical Sciences Component Code 030)	4	ENGR 3375	3
ENGR 1313	3	CHEM 1335 (Life & Physical Sciences Component Code 030)	3
CE 1210	2	CHEM 1141	1
		CS 1342	3
	14		17

Sophomore

First Semester	Hours	Second Semester	Hours
ENG 1320 (Communication Component Code 010)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
MATH 3323	3	MATH 3376	3
PHYS 2425 (Component Area Option Code 090/093)	4	ENGR 3373	3
ENGR 3311	3	CE 2340	3
Basic Science Elective[1]	4	CE 2350	3
		CE 3320	3
	17		18

Junior

First Semester	Hours	Second Semester	Hours
HIST 1310 (American History Component Code 060)	3	ECO 2301 (Social & Behavioral Sciences Component Code 080)	3
ENGR 3380	3	HIST 1320 (American History Component Code 060)	3
IE 3320	3	CE 3310	3

CE 3330	3	CE 3331	3
CE 3350	3	CE 3360	3
	15		15

First Semester	Hours	Second Semester	Senior Hours
POSI 2310 (Government/ Political Science Component Code 070)	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
GEO 4356	3	POSI 2320 (Government/ Political Science Component Code 070)	3
CE 4370	3	CE 4391	3
CE 4390	3	CE Technical Elective I[3]	3
CE Infrastructure Design Elective[2]	3	CE Technical Elective II[3]	3
	15		15

Total Hours: 126

[1] Basic Science Elective - 4 hours may be chosen from the following: BIO 1330 and BIO 1130, BIO 1331 and BIO 1131, GEOL 1410

[2] CE Infrastructure Design Elective may be chosen in consultation with a faculty advisor from the following: CE 4330, CE 4361, CE 4372

[3] CE Technical Electives may be chosen in consultation with a faculty advisor from the following: CE 4310, CE 4311, CE 4320, CE 4321, CE 4322, CE 4350, CE 4351, CE 4360, CE 4371, CE 4392

Bachelor of Science (B.S.) Major in Electrical Engineering (Computer Engineering Concentration)

Minimum required: 133 semester credit hours

Admission Requirements

1. The Bachelor of Science (B.S.) degree with a major in Electrical Engineering requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/science-engineering/ingram-school/#admissionstext
2. In order to declare Electrical Engineering as a major, students must meet one of the following prerequisites:
3. ACT Math score of 24 or higher,
4. SAT Math score of 550 (re-centered) or higher, or
5. credit for one of the following Math courses with a grade of "C" or higher:

Code	Title	Hours
MATH 1315	College Algebra	3
MATH 1317	Plane Trigonometry	3
MATH 1319	Mathematics for Business and Economics I	3
MATH 1329	Mathematics for Business and Economics II	3

3. Students who do not meet the above prerequisites may choose Pre-Electrical Engineering as their major. Pre-Electrical Engineering students who complete one of the following Math courses with a grade of "C" or higher may declare Electrical Engineering as their major:

Code	Title	Hours
MATH 1315	College Algebra	3
MATH 1317	Plane Trigonometry	3
MATH 1319	Mathematics for Business and Economics I	3
MATH 1329	Mathematics for Business and Economics II	3

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. For transfer students, 30-31 semester credit hours may be transferred from a Texas public institution of higher education for the Electrical Engineering Field of Study and be applied to the Bachelor of Science degree with a major in Electrical Engineering at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
MATH 2471	Calculus I	4
TCCN: MATH 2413		
MATH 2472	Calculus II	4
TCCN: MATH 2414		
MATH 3373	Calculus III	3
TCCN: MATH 2415		
MATH 3323	Differential Equations	3
TCCN: MATH 2320		
PHYS 1430	Mechanics	4
TCCN: PHYS 2425 or 2325/2125		
PHYS 2425	Electricity and Magnetism	4
TCCN: PHYS 2426 or 2326/2126		
CS 1428	Foundations of Computer Science I	4
TCCN: COSC 1420 or 1320		
EE 2400	Circuits I	4
TCCN: ENGR 2405 or 2305/2105		
Total Hours		30

3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine semester credit hours must be writing intensive (WI).
5. All students in the Electrical Engineering degree programs must complete Electrical Engineering (EE) course prerequisites with a grade of “C” or higher.
6. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

7. The Electrical Engineering degree programs include all the courses required for an Applied Mathematics minor.

Course Requirements

		Freshman	
First Semester	**Hours**	**Second Semester**	**Hours**
CHEM 1335	3	PHYS 1430 (Life & Physical Sciences Component Code 030)	4
CHEM 1141	1	CS 2308	3
CS 1428	4	MATH 2472	4
MATH 2471 (Mathematics Component Code 020)	4	ENG 1320 (Communication Component Code 010)	3
US 1100	1	EE 2420	4
ENG 1310 (Communication Component Code 010)	3		
	16		18
		Sophomore	
First Semester	**Hours**	**Second Semester**	**Hours**
COMM 1310 (or ENG Literature Component Area Option Code 090)	3	EE 3420	4
MATH 2358	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
EE 2400	4	MATH 3373	3
PHYS 2425 (Life & Physical Sciences Component Code 030 and Component Area Option Code 090/093)	4	EE 3400	4
MATH 3323	3	CS 3358	3
	17		17
		Junior	
First Semester	**Hours**	**Second Semester**	**Hours**
HIST 1310 (American History Component Code 060)	3	HIST 1320 (American History Component Code 060)	3
ECO 2301 or 2314 (Social & Behavioral Sciences Component Code 080)	3	POSI 2310 (Government/ Political Science Component Code 070)	3
CS 4328	3	CS 3339	3
EE 3350	3	EE 3370	3
MATH 3377	3	EE 4352	3
		IE 3320	3
	15		18
		Senior	
First Semester	**Hours**	**Second Semester**	**Hours**
EE 4350	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
POSI 2320 (Government/ Political Science Component Code 070)	3	EE 4391	3
CS 3354	3	EE Electives[1]	8
EE 4372 or CS 4310	3		
EE 4377	3		
EE 4390	3		
	18		14

Total Hours: 133

[1] A minimum of eight (8) hours of advanced Electrical Engineering electives chosen from the list below are required.

Advanced Electrical Engineering Electives

Code	Title	Hours
EE 3326	Numerical and Scientific Data Analysis Using Python	3
EE 4321	Digital Systems Design Using HDL	3
EE 4323	Digital Image Processing	3
EE 4351	Fundamentals of Electroceramics	3
EE 4353	Fundamentals of Advanced Semiconductor Technology	3
EE 4354	Flexible Electronics	3
EE 4356	Power Electronics	3
EE 4358	Introduction to Microelectromechanical Systems	3
EE 4360	Linear Control Systems	3
EE 4375	Building a Smart Grid Architecture	3
CS 3398	Software Engineering	3
CS 4332	Introduction to Database Systems	3
CS 4388	Computer Graphics	3
ENGR 3190	Cooperative Education (may be taken for a maximum of 3 hours)	1
ENGR 4395	Independent Studies in Engineering	3

Bachelor of Science (B.S.) Major in Electrical Engineering (Micro and Nano Devices and Systems Concentration)

Minimum required: 134 semester credit hours

Admission Requirements

1. The Bachelor of Science (B.S.) degree with a major in Electrical Engineering requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/science-engineering/ingram-school/#admissionstext
2. In order to declare Electrical Engineering as a major, students must meet one of the following prerequisites:

- ACT Math score of 24 or higher,
- SAT Math score of 550 (re-centered) or higher, or
- credit for one of the following Math courses with a grade of "C" or higher.

Code	Title	Hours
MATH 1315	College Algebra	3
MATH 1317	Plane Trigonometry	3
MATH 1319	Mathematics for Business and Economics I	3
MATH 1329	Mathematics for Business and Economics II	3

3. Students who do not meet the above prerequisites may choose Pre-Electrical Engineering as their major. Pre-Electrical Engineering students who complete one of the following Math courses with a grade of "C" or higher may declare Electrical Engineering as their major.

Code	Title	Hours
MATH 1315	College Algebra	3
MATH 1317	Plane Trigonometry	3
MATH 1319	Mathematics for Business and Economics I	3
MATH 1329	Mathematics for Business and Economics II	3

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. For transfer students, 30-31 semester credit hours may be transferred from a Texas public institution of higher education for the Electrical Engineering Field of Study and be applied to the Bachelor of Science degree with a major in Electrical Engineering at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
MATH 2471	Calculus I	4
TCCN: MATH 2413		
MATH 2472	Calculus II	4
TCCN: MATH 2414		
MATH 3373	Calculus III	3
TCCN: MATH 2415		
MATH 3323	Differential Equations	3
TCCN: MATH 2320		
PHYS 1430	Mechanics	4
TCCN: PHYS 2425 or 2325/2125		
PHYS 2425	Electricity and Magnetism	4
TCCN: PHYS 2426 or 2326/2126		
CS 1428	Foundations of Computer Science I	4
TCCN: COSC 1420 or 1320		
EE 2400	Circuits I	4
TCCN: ENGR 2405 or 2305/2105		
Total Hours		30

3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine semester credit hours must be writing intensive (WI).
5. All students in the Electrical Engineering degree programs must complete Electrical Engineering (EE) course prerequisites with a grade of “C” or higher.
6. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
7. The Electrical Engineering degree programs include all the courses required for an Applied Mathematics minor.

Course Requirements

						Freshman
First Semester	Hours	Second Semester	Hours	Summer		Hours
CHEM 1335	3	PHYS 1430 (Life & Physical Sciences Component Code 030)	4	HIST 1320 (American History Component Code 060)		3
CHEM 1141	1	MATH 2472	4	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)		3
COMM 1310 (or ENG Literature Component Area Option Code 090)	3	ENG 1320 (Communication Component Code 010)	3			
MATH 2471 (Mathemati Component Code 020)	4	HIST 1310 (American History Component Code 060)	3			
US 1100	1					
ENG 1310 (Communic Component Code 010)	3					
	15		14			6

						Sophomore
First Semester	Hours	Second Semester	Hours	Summer		Hours
EE 2400	4	EE 2420	4	POSI 2310 (Government/ Political Science Component Code 070)		3
MATH 3323	3	ENGR 3375	3			
MATH 3373	3	MATH 3377	3			

PHYS 2425 (Life & Physical Sciences Component Code 030 and Component Area Option Code 090/093)	4	PHYS 2435	4
CS 1428	4	ECO 2301 or 2314 (Social & Behavioral Sciences Component Code 080)	3
	18		17

Junior

First Semester	Hours	Second Semester	Hours
EE 3400	4	MFGE 4392	3
EE 3340	3	EE 3350	3
EE 3420	4	EE 3355	3
IE 3320	3	EE 3370	3
POSI 2320 (Government/ Political Science Component Code 070)	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	17		15

Senior

First Semester	Hours	Second Semester	Hours
EE 4350	3	EE 4355 or MFGE 4394	3
EE 4352	3	EE Electives[1]	6
EE 4390	3	EE 4391	3
EE Elective[1]	5		
ENGR 3315	3		
	17		12

Total Hours: 134

[1] A minimum of eleven (11) hours of advanced Electrical Engineering electives chosen from the list below are required.

Advanced Electrical Engineering Electives

Code	Title	Hours
EE 3326	Numerical and Scientific Data Analysis Using Python	3
EE 4321	Digital Systems Design Using HDL	3
EE 4323	Digital Image Processing	3
EE 4351	Fundamentals of Electroceramics	3
EE 4353	Fundamentals of Advanced Semiconductor Technology	3
EE 4354	Flexible Electronics	3
EE 4355	Analog and Mixed Signal Design	3
EE 4356	Power Electronics	3
EE 4360	Linear Control Systems	3
EE 4375	Building a Smart Grid Architecture	3
EE 4377	Introduction to Digital Signal Processing	3
ENGR 3190	Cooperative Education	1
ENGR 4395	Independent Studies in Engineering	3

Bachelor of Science (B.S.) Major in Electrical Engineering (Networks and Communication Systems Concentration)

Minimum required: 134 semester credit hours

Admission Requirements

1. The Bachelor of Science (B.S.) degree with a major in Electrical Engineering requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/science-engineering/ingram-school/#admissionstext
2. In order to declare Electrical Engineering as a major, students must meet one of the following prerequisites:

- ACT Math score of 24 or higher,
- SAT Math score of 550 (re-centered) or higher, or
- credit for one of the following Math courses with a grade of "C" or higher:

Code	Title	Hours
MATH 1315	College Algebra	3
MATH 1317	Plane Trigonometry	3
MATH 1319	Mathematics for Business and Economics I	3
MATH 1329	Mathematics for Business and Economics II	3

3. Students who do not meet the above prerequisites may choose Pre-Electrical Engineering as their major. Pre-Electrical Engineering students who complete one of the following Math courses with a grade of "C" or higher may declare Electrical Engineering as their major:

Code	Title	Hours
MATH 1315	College Algebra	3
MATH 1317	Plane Trigonometry	3
MATH 1319	Mathematics for Business and Economics I	3
MATH 1329	Mathematics for Business and Economics II	3

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number.

See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. For transfer students, 30-31 semester credit hours may be transferred from a Texas public institution of higher education for the Electrical Engineering Field of Study and be applied to the Bachelor of Science degree with a major in Electrical Engineering at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
MATH 2471	Calculus I	4
TCCN: MATH 2413		
MATH 2472	Calculus II	4
TCCN: MATH 2414		
MATH 3373	Calculus III	3
TCCN: MATH 2415		
MATH 3323	Differential Equations	3
TCCN: MATH 2320		
PHYS 1430	Mechanics	4
TCCN: PHYS 2425 or 2325/2125		
PHYS 2425	Electricity and Magnetism	4
TCCN: PHYS 2426 or 2326/2126		
CS 1428	Foundations of Computer Science I	4
TCCN: COSC 1420 or 1320		
EE 2400	Circuits I	4
TCCN: ENGR 2405 or 2305/2105		
Total Hours		30

3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine semester credit hours must be writing intensive (WI).
5. All students in the Electrical Engineering degree programs must complete Electrical Engineering (EE) course prerequisites with a grade of "C" or higher.
6. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
7. The Electrical Engineering degree programs include all the courses required for an Applied Mathematics minor.

Course Requirements

First Semester	Hours	Second Semester	Hours	Summer	Hours
Freshman					
CHEM 1335	3	PHYS 1430 (Life & Physical Sciences Component Code 030)	4	HIST 1320 (American History Component Code 060)	3
CHEM 1141	1	MATH 2472	4	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
MATH 2471 (Mathematics Component Code 020)	4	ENG 1320 (Communication Component Code 010)	3		
US 1100	1	HIST 1310 (American History Component Code 060)	3		
ENG 1310 (Communication Component Code 010)	3				
COMM 1310 (or ENG Literature Component Area Option Code 090)	3				
	15		14		6
Sophomore					
EE 2400	4	ECO 2301 or 2314 (Social & Behavioral Sciences Component Code 080)	3	POSI 2310 (Government/Political Science Component Code 070)	3
MATH 3323	3	EE 2420	4		
MATH 3373	3	ENGR 3375	3		
PHYS 2425 (Life & Physical Sciences Component Code 030 and Component Area Option Code 090/093)	4	MATH 3377	3		
CS 1428	4	PHYS 2435	4		
	18		17		3
Junior					
EE 3400	4	EE 3420	4		

EE 3340	3	EE 3350	3
ENGR 3315	3	EE 3355	3
IE 3320	3	EE 3370	3
POSI 2320 (Government/ Political Science Component Code 070)	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	16		16

Senior

First Semester	Hours	Second Semester	Hours
EE 4350	3	EE 4372	3
EE 4370	3	EE Electives[1]	6
EE 4323 or 4377	3	EE 4391	3
EE Elective[1]	5		
EE 4390	3		
	17		12

Total Hours: 134

[1] A minimum of eleven (11) hours of advanced Electrical Engineering electives chosen from the list below are required.

Advanced Electrical Engineering Electives

Code	Title	Hours
EE 3326	Numerical and Scientific Data Analysis Using Python	3
EE 4321	Digital Systems Design Using HDL	3
EE 4351	Fundamentals of Electroceramics	3
EE 4353	Fundamentals of Advanced Semiconductor Technology	3
EE 4354	Flexible Electronics	3
EE 4355	Analog and Mixed Signal Design	3
EE 4356	Power Electronics	3
EE 4358	Introduction to Microelectromechanical Systems	3
EE 4360	Linear Control Systems	3
EE 4374	Introduction to Wireless Communication	3
EE 4375	Building a Smart Grid Architecture	3
EE 4378	Data Compression and Error Control Coding	3
ENGR 3190	Cooperative Education	1
ENGR 4395	Independent Studies in Engineering	3

Bachelor of Science (B.S.) Major in Industrial Engineering

Minimum required: 132 semester credit hours

Admission Requirements

1. The Bachelor of Science (B.S.) degree with a major in Industrial Engineering requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/science-engineering/ingram-school/#admissionstext
2. In order to declare Industrial Engineering as a major, students must meet one of the following prerequisites:

- ACT Math score of 24 or higher,
- SAT Math score of 520 (re-centered) or higher, or
- credit for one of the following Math courses with a grade of "C" or higher.

Code	Title	Hours
MATH 1315	College Algebra	3
MATH 1317	Plane Trigonometry	3
MATH 1319	Mathematics for Business and Economics I	3
MATH 1329	Mathematics for Business and Economics II	3

3. Students who do not meet the above prerequisites may choose Pre-Industrial Engineering as their major. Pre-Industrial Engineering students who complete one of the following MATH courses with a grade of "C" or higher may declare Industrial Engineering as their major.

Code	Title	Hours
MATH 1315	College Algebra	3
MATH 1317	Plane Trigonometry	3
MATH 1319	Mathematics for Business and Economics I	3
MATH 1329	Mathematics for Business and Economics II	3

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine semester credit hours must be writing intensive (WI).
4. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
5. The Industrial Engineering major includes all the courses required for an Applied Mathematics minor.

Course Requirements

Freshman			
First Semester	Hours	Second Semester	Hours
CHEM 1335	3	PHYS 1430 (Life & Physical Sciences Component Code 030)	4
CHEM 1141	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communication Component Code 010)	3	ENGR 2300	3
ENGR 1313	3	HIST 1310 (American History Component Code 060)	3
MATH 2471 (Mathematics Component Code 020)	4	MATH 2472	4
US 1100	1		
	15		17

Sophomore			
First Semester	Hours	Second Semester	Hours
PHYS 2425 (Life & Physical Sciences Component Code 030 and Component Area Option Code 090/093)	4	CS 1342	3
MATH 3377	3	MATH 3323	3
POSI 2310 (Government/ Political Science Component Code 070)	3	ENGR 3375	3
MFGE 2332	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
HIST 1320 (American History Component Code 060)	3	ECO 2301 (Social & Behavioral Sciences Component Code 080)	3
		POSI 2320 (Government/ Political Science Component Code 070)	3
	16		18

Junior			
First Semester	Hours	Second Semester	Hours
ENGR 3311	3	MATH 3373	3
ENGR 3315	3	IE 3330	3
ENGR 3373	3	IE 3340	3
IE 3320	3	IE 3360	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	COMM 1310 (or ENG Literature Component Area Option Code 090)	3
	15		15

Senior			
First Semester	Hours	Second Semester	Hours
IE 4310	3	IE 4320	3
IE 4355	3	IE 4350	3
Math/Science Elective for Math Minor or IE Elective[2]	3	IE Elective[1]	6
IE Elective[1]	3	IE 4393	3
IE 4392	3	MFGE 4396	3
IE 4370	3		
	18		18

Total Hours: 132

1 A minimum of nine (9) hours of advanced Industrial Engineering electives chosen from the list below are required.

2 A minimum of three (3) hours of approved Math/Science electives are required for IE student with applied math minor.

Advanced Industrial Engineering Electives

Code	Title	Hours
IE 4330	Reliability Engineering	3
IE 4340	Optimization Techniques	3
IE 4360	Human Factors Design	3
IE 4399A	Lean Six Sigma Methodologies	3
IE 4399D	Modern Heuristic Optimization Techniques	3
IE 4399E	Introduction to Systems Engineering	3
IE 4399F	Introduction to Data-Intensive Analysis and Simulation	3
MFGE 4367	Polymer Properties and Processing	3
MFGE 4392	Microelectronics Manufacturing I	3
ENGR 3190	Cooperative Education	1
ENGR 4390	Internship	3
ENGR 4395	Independent Studies in Engineering	3

Bachelor of Science (B.S.) Major in Manufacturing Engineering (General Manufacturing Concentration)

Minimum required: 129 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine semester credit hours must be writing intensive (WI).
4. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
5. The Manufacturing Engineering degree programs include all the courses required for an Applied Mathematics minor.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CHEM 1335 or 1341	3	PHYS 1430 (Life & Physical Sciences Component Code 030)	4
CHEM 1141	1	ENGR 2300	3
ENGR 1313	3	ENG 1320 (Communication Component Code 010)	3
MATH 2471 (Mathematic Component Code 020)	4	MATH 2472	4
US 1100	1	COMM 1310 (or ENG Literature Component Area Option Code 090)	3
ENG 1310 (Communica Component Code 010)	3		
	15		17

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
IE 3320	3	CS 1342	3	MGT 3303	3
MATH 3323	3	ENGR 3375	3	MATH 3377	3
MFGE 2332	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		
PHYS 2425 (Life & Physical Sciences Component Code 030 and Component Area Option Code 090/093)	4	ECO 2301 (Social & Behavioral Sciences Component Code 080)	3		
HIST 1310 (American History Component Code 060)	3	HIST 1320 (American History Component Code 060)	3		
	16		15		6

Junior

First Semester	Hours	Second Semester	Hours
ENGR 3311	3	ENGR 3315	3
ENGR 3373	3	IE 3330	3
Math/ Science Elective[1]	3-4	IE 3360	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	MFGE 4365	3
MFGE 3316	3	POSI 2310 (Government/ Political Science Component Code 070)	3
	15		15

Senior

First Semester	Hours	Second Semester	Hours
MFGE 4390	3	MFGE 4391	3
MFGE 4395	3	MFGE 4376	3
MFGE Electives[2]	3	MFGE 4396	3
POSI 2320 (Governmen Political Science Component Code 070)	3	MFGE Electives[2]	3
IE 4355	3	MGT 4330	3
	15		15

Total Hours: 129

1 A minimum of three (3) hours of approved Math/Science electives are required.

2 A minimum of six (6) hours of advanced Manufacturing Engineering electives chosen from the list below are required.

Advanced Manufacturing Engineering Electives

Code	Title	Hours
MFGE 4355	Design of Machine Elements	3
MFGE 4357	Dynamics of Machinery	3
MFGE 4367	Polymer Properties and Processing	3
MFGE 4392	Microelectronics Manufacturing I	3

MFGE 4394	Microelectronics Manufacturing II	3
MFGE 4399A	Reverse Engineering and Rapid Prototyping	3
MFGE 4399B	Introduction to Reinforced Polymer Nanocomposites in Industrial Applications	3
MFGE 4399C	Introduction to Industrial Robotics	3
TECH 4330	Foundry & Heat Treatment	3
ENGR 3190	Cooperative Education	1
ENGR 4395	Independent Studies in Engineering	3

Bachelor of Science (B.S.) Major in Manufacturing Engineering (Mechanical Systems Concentration)

Minimum required: 129 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine semester credit hours must be writing intensive (WI).
4. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
5. The Manufacturing Engineering degree programs include all the courses required for an Applied Mathematics minor.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CHEM 1335 or 1341	3	ENGR 2300	3
CHEM 1141	1	MATH 2472	4
ENGR 1313	3	PHYS 1430 (Life & Physical Sciences Component Code 030)	4
MATH 2471 (Mathematics Component Code 020)	4	COMM 1310 (or ENG Literature Component Area Option Code 090)	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communica Component Code 010)	3		
	15		17

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
MFGE 2332	3	CS 1342	3	MATH 3377	3
MATH 3323	3	IE 3330	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
IE 3320	3	ENGR 3375	3		
PHYS 2425 (Life & Physical Sciences Component Code 030 and Component Area Option Code 090/093)	4	ECO 2301 (Social & Behavioral Sciences Component Code 080)	3		
HIST 1310 (American History Component Code 060)	3	HIST 1320 (American History Component Code 060)	3		
	16		15		6

Junior

First Semester	Hours	Second Semester	Hours
MFGE 3316	3	MFGE 4365	3
ENGR 3311	3	MFGE 4396	3
ENGR 3315	3	IE 3360	3
ENGR 3373	3	PHYS 3315	3
POSI 2310 (Government/ Political Science Component Code 070)	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	15		15

Senior

First Semester	Hours	Second Semester	Hours
MFGE 4357	3	MFGE 4355	3
MFGE 4390	3	MFGE 4376	3
MFGE 4395	3	MFGE 4391	3

IE 4355	3	MFGE Electives[1]	3
MFGE Electives[1]	3	POSI 2320 (Government/ Political Science Component Code 070)	3
	15		15

Total Hours: 129

[1] A minimum of six (6) hours of advanced Manufacturing Engineering electives chosen from the list below are required.

Advanced Manufacturing Engineering Electives

Code	Title	Hours
MFGE 4367	Polymer Properties and Processing	3
MFGE 4392	Microelectronics Manufacturing I	3
MFGE 4394	Microelectronics Manufacturing II	3
MFGE 4399A	Reverse Engineering and Rapid Prototyping	3
MFGE 4399B	Introduction to Reinforced Polymer Nanocomposites in Industrial Applications	3
MFGE 4399C	Introduction to Industrial Robotics	3
TECH 4330	Foundry & Heat Treatment	3
ENGR 3190	Cooperative Education	1
ENGR 4395	Independent Studies in Engineering	3

Department of Engineering Technology

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The mission of the Department of Engineering Technology is to prepare students for technical/professional careers in industry and education. The mission is accomplished through a dedicated faculty offering programs in specialized areas with a formal, technical focus. Upon graduation, students are prepared to assume positions of professional responsibility in the areas of manufacturing, construction, concrete industry management, computer aided technologies, electronics, and education. Fourteen well-equipped technical laboratories serve to educate students in the techniques and processes used by contemporary world class industries.

The Bachelor of Science major in Concrete Industry Management

The Bachelor of Science (B.S.) degree with a major in Concrete Industry Management (CIM) prepares students who are grounded in basic construction management, knowledgeable in concrete technology and techniques and able to manage people and systems to promote products and devices related to the concrete industry. CIM professionals find a wide array of opportunities in the concrete industry including positions in sales, operations, technical services and construction management.

The Bachelor of Science major in Construction Science and Management

The Bachelor of Science (B.S.) degree with a major in Construction Science and Management (CSM) prepares students to enter professional careers in the construction industry. Graduates may become construction project managers, estimators, schedulers, field engineers, general and/or subcontractors, code inspectors, material suppliers and technical sales representatives. Students learn the technical aspects of how construction projects are built through classes in residential, commercial, engineering and industrial construction, and learn how to manage construction through the required business administration minor and courses in estimating, scheduling and project management. Career opportunities are many in this industry, which comprises 16% of the Gross National Product. Students entering this degree need to successfully complete the Pre-Construction Curriculum before they will be allowed to register for advanced Construction Science and Management courses. Also, a sophomore level internship is required, where students spend 10 weeks and 400 hours working in the construction industry. Students interested in pursuing the Construction Science and Management degree program can receive more information on the major contacting a CSM Faculty Advisor. This degree program is accredited by the American Council for Construction Education.

The Bachelor of Science major in Technology Management

The Bachelor of Science (B.S.) degree with a major in Technology Management prepares students for professional management positions in industry, or to become public school teachers in the field of Technology Education. Industry bound graduates will be prepared for work involving materials, processes, product design and development, quality management, safety management, supply chain issues, facility planning, and similar concepts in industrial management. Graduates of the Technology Education track will be prepared to teach a variety of industry and technology related subjects in Texas public schools. This degree has three specializations, Manufacturing Technology, Electronics Technology, and Technology Education. Students interested in pursuing the Bachelor of Science in Technology Management should see a faculty advisor in the Department of Engineering Technology for more details.

The Bachelor of Science in Technology major in Engineering Technology

The Bachelor of Science in Technology (B.S.T.) degree with a major in Engineering Technology provides students with the technical background to work with engineers in planning production processes and automated systems, designing production facilities, developing tooling, establishing quality assurance procedures, developing safety programs, establishing work methods, and setting time standards. Students can specialize in Electrical Engineering Technology, Civil Engineering Technology, Environmental Engineering Technology, Manufacturing Engineering Technology, and Mechanical Engineering Technology. The Bachelor of Science in Technology major in Industrial Technology prepares students for work in industry in materials, processes, industrial safety, and concepts of industrial management. This degree has program majors in Manufacturing, and General Technology. The General Technology major, under Industrial Technology, can be customized to meet specific student needs offering opportunities in electronics, industrial safety, education, etc. Students interested in exploring such opportunities should see an Engineering Technology Department advisor for more details.

Teacher Certification

A student seeking certification to teach at the secondary level must take:

Code	Title	Hours
CI 3325	Adolescent Growth and Development	3
CI 4332	Secondary Teaching: Curriculum and Technology	3
CI 4343	Instructional Strategies for the Secondary Teacher	3
CI 4370	Classroom Management, Ethics, and Legal Issues in Secondary Teaching	3
RDG 3323	Teaching Reading in the Content Areas	3
EDST 4681	Student Teaching 7-12	6

The student who has further questions should see the undergraduate advisor in Engineering Technology.

Admissions Requirements

Construction Science and Management

1. Construction Science and Management majors must complete 30 semester credit hours of Pre-Construction coursework, which will consist of:

Code	Title	Hours
MATH 2328	Elementary Statistics	3
MATH 2417	Pre-Calculus Mathematics	4
PHYS 1315 & PHYS 1115	General Physics I and General Physics I Laboratory	4
CHEM 1335 & CHEM 1141	Engineering Chemistry and General Chemistry Laboratory I	4
PHYS 1325 & PHYS 1125	General Physics II and General Physics II Laboratory	4
CSM 1260	Introduction to the Construction and Concrete Industry	2
CSM 2313	Architecture Design I - Construction Documents	3
CSM 2342	Construction Materials and Processes	3
TECH 2351	Statics and Strength of Materials	3
Total Hours		30

2. When a student completes their Pre-Construction coursework, with the required GPA, or is currently enrolled in their final Pre-Construction course(s), the student can apply to become a "Full Major" in the Construction Science and Management program.

3. After completing the Pre-Construction coursework, students will be allowed to enter the Bachelor of Science major in Construction Science and Management, and will be allowed to enroll in the following Construction classes:

Code	Title	Hours
CSM 2160	Introduction to Construction Surveying and Site Layout	1
CSM 2360	Residential Construction I: Home Production	3
CSM 3360	Structural Analysis	3
CSM 3361	Commercial Building Construction Systems	3
CSM 3363	Heavy, Civil and Highway Construction Systems	3
CSM 3366	Soils and Foundations	3
CSM 3367	Mechanical, Electrical and Plumbing Systems	3
CSM 4360	Senior Construction Management Capstone	3
CSM 4361	Construction Estimating	3
CSM 4364	Construction Project Management and Scheduling	3
CSM 4368	Environmentally Conscious Design and Construction	3
CSM 4369	Construction Contracts, Liability and Ethics	3
Total Hours		34

Bachelor of Science (B.S.)

- Major in Concrete Industry Management (p. 671)
- Major in Construction Science and Management (p. 672)
- Major in Construction Science and Management (Residential Construction Concentration) (p. 674)
- Major in Technology Management (Electronics Technology Concentration) (p. 675)
- Major in Technology Management (Manufacturing Technology Concentration) (p. 676)
- Major in Technology Management (Teacher Certification in Technology Education, Grades 6-12) (p. 677)

Bachelor of Science in Technology (B.S.T.)

- Major in Engineering Technology (Civil Engineering Technology Concentration) (p. 678)
- Major in Engineering Technology (Electrical Engineering Technology Concentration) (p. 680)
- Major in Engineering Technology (Environmental Engineering Technology Concentration) (p. 681)
- Major in Engineering Technology (Manufacturing Engineering Technology Concentration) (p. 682)
- Major in Engineering Technology (Mechanical Engineering Technology Concentration) (p. 683)

Minor

- Technology (p. 683)

Subjects in this department include: CIM (p. 665), CSM (p. 666), TECH (p. 668).

Courses in Concrete Industry Management (CIM)

CIM 3330. Concrete Construction Methods.
This course covers forming, shoring, placing and reinforcing operations. Transporting, placing, consolidating, finishing, jointing and curing concrete for cast-in-place foundations, pavements, slabs on ground, structural frames, and other structural members are studied. Other topics include waterproofing concrete foundations and erecting precast concrete members. Corequisite: CIM 3420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIM 3340. Understanding the Concrete Construction System.
A detailed look at how the concrete construction industry works. The course includes a review of model building codes, building officials and their function, concrete industry codes and standards, concrete construction processes, quality assurance systems, contract documents, estimating, construction scheduling and concrete construction markets. Prerequisite: CIM 3420 and MATH 2328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIM 3366. Applications of Concrete in Construction.
This course is a detailed study of the many uses of concrete in the construction of buildings, pavements and other facilities. Emphasis will be placed on the advantages, disadvantages, and unique problems faced by materials suppliers, contractors and design professionals when concrete is chosen for specific applications. Prerequisite: CIM 3330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIM 3420. Fundamentals of Concrete: Properties and Testing.
This course examines effects of concrete-making materials (aggregates, cements, admixtures, etc.) on the properties of fresh and hardened concrete. Concrete mixture proportioning calculations and statistical analysis of strength tests are also studied. Prerequisite: CHEM 1335 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CIM 4310. Senior Concrete Lab.
This course provides students with an opportunity to further develop their technical and laboratory knowledge and pursue a project of individual interest. A formal report/presentation will be required at the conclusion of the course. Prerequisites: CIM 3366 and CIM 3420 both with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CIM 4330. Management of Concrete Products – Ordering and Scheduling.
This course is designed to provide the student with a basic understanding of managing the ordering and delivery process common to all concrete products. Emphasis will be in planning, organizing and controlling at both the first-line supervisory and managerial levels. Prerequisites: CIM 3340 and MGT 3303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIM 4340. Concrete Problems: Diagnosis, Prevention and Dispute Resolution.
Course involves diagnosing/preventing problems related to concrete production, testing, construction and performance. Students learn to identify causes of fresh and hardened concrete problems, i.e. fast and slow setting, air content variations, low strength, cracking and scaling. Pre-job conferences and dispute resolution methods are examined. Prerequisite: CIM 3366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIM 4398. Capstone.
This course covers the business aspects of the concrete industry with appropriate application to the student's career interests and builds upon the technical and practical industry components learned in previous courses. The final project will be presented to an industry committee. (WI) Prerequisites: ACC 2362 with a grade of "D" or better and CIM 4330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CIM 4499. Capstone II.
A continuation of CIM 4398, students continue developing a business plan with emphasis on the technical aspects of the concrete industry, building upon previous coursework. The final presentation will be made to an industry panel. A portion of the course is a seminar with guest speakers from the concrete industry. Prerequisite: CIM 4398 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

Courses in Construction Science and Management (CSM)

CSM 1260. Introduction to the Construction and Concrete Industry.
This is an introductory course for Construction and Concrete Industry Management (CIM) majors. Residential, commercial, heavy, civil and highway construction is explored including the concrete industry. The role of the contractor, architect/engineer and owner are covered including contracts, careers, sustainability and economic importance of the construction industry.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 2160. Introduction to Construction Surveying and Site Layout.
Common construction surveying and site layout techniques are studied using both optical levels and total stations. Benchmarks, building lines, property lines, differential and profiling are discussed in lecture with applied exercises performed in the laboratory.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 2313. Architecture Design I - Construction Documents.
Students are introduced to the language and process of producing architectural construction documents in residential projects utilizing computers and CAD software. Site plans, floor plans, sections, elevations, and details are drawn individually and as a team as orthographic projection theory and its importance in resolving complex building geometry are covered.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 2342. Construction Materials and Processes.
This course will introduce students to various types of construction materials including ceramics, ferrous, non-ferrous, and organic materials used in construction. Their properties, working characteristics and processes used to manufacture and assemble these materials are studied. Laboratory activities are used to reinforce lecture material. Prerequisites: [PHYS 1115 and PHYS 1315] or PHYS 1410 or PHYS 1430 any with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 2360. Residential Construction I: Home Production.
This course deals with the process of constructing a home on an improved lot, including residential plan and specification interpretation, cost centers, profit and overhead, construction phases, subcontractor sequencing, materials, estimating, scheduling, building codes, permits and Mechanical, Electrical and Plumbing home requirements.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 3360. Structural Analysis.
This is a structural engineering fundamentals class to include design loads, reactions, force systems, functions of a structure, and both the analysis and design of determinate structures by classical and modern techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 3361. Commercial Building Construction Systems.
This is a commercial building construction systems class that deals with soils, site work, heavy foundations, steel, reinforced concrete and pre-cast structures along with common assemblies. Commercial MEP's are studied along with CSI master format, as-built and shop drawings, schedule of values, AIA documents and appropriate building codes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 3363. Heavy, Civil and Highway Construction Systems.
Selection, acquisition and capabilities of heavy construction equipment are presented. Applications of economics to performance characteristics and production of equipment is discussed. Sector-specific construction management methods are covered, including unit price estimating, equipment fleet design, repetitive scheduling and major components of highways, bridges and engineered facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 3366. Soils and Foundations.
Properties of subsurface materials and the principles of subsurface construction are studied. Topics include soil classification and testing, soil mechanics and foundation systems, including site layout, excavation, caissons, piles, slurry wall, slab and spread footings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 3367. Mechanical, Electrical and Plumbing Systems.
This course covers typical Mechanical, Electrical and Plumbing (MEPs) systems found in residential and commercial construction along with design and installation methods used to conserve both energy and water in new and remodeled structures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 3368. Construction Finance.
This course provides an introduction to financial analysis and financing of construction-related companies and projects. Topics include analysis of financial statements, contractor payment methods, construction loans, and project cost controls. Prerequisite: MATH 2328 and [ACC 2301 or ACC 2362] and [CIM 3340 or CSM 4364] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 3369. Residential Construction II: Business Practices.
This course will prepare students in the business practices used by residential land developers and home-builders. Technical skills are applied to the work process inside conventional home-building departments and how those collaborating departments and co-workers operate to become an efficient and sustainable new home-building company. Prerequisite: CSM 2360 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 4313. Architectural Design II - Technology in Construction.
Students create individual and group commercial projects which include plans, elevations, sections, details, and 3D drawings utilizing 3D building information modeling (BIM) and other current technologies used in the industry. Structural, mechanical, electrical, plumbing, accessibility, and sustainable building issues are discussed. Prerequisite: CSM 2313 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 4360. Senior Construction Management Capstone.
Students work in groups, preparing a bid proposal based on a real life construction project involving contract negotiations, construction documents interpretation, estimating, bidding, scheduling, safety and quality control plans. Emphasis is on developing leadership, team building, written and oral communication skills. AIC Level 1 Examination required for course completion. Prerequisites: CSM 4313 and CSM 4361 and CSM 4364 and CSM 4369 and TECH 2190 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 4361. Construction Estimating.
The fundamentals of construction estimating are covered including feasibility, conceptual, square feet, cubic feet, unit in place, preliminary, engineering, range and contractor's detail bid estimates. Plans and specifications are used along with contemporary estimating software to develop estimates commonly used in the construction industry. Prerequisite: CSM 3361 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 4364. Construction Project Management and Scheduling.
Concepts of construction management are studied beginning with contract documents through the effective management of manpower, machines, material and money necessary to complete construction projects on time and within budget. Gantt Charts and PERT/CPM schedules are developed, using contemporary software. Corequisite: CSM 4361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 4368. Environmentally Conscious Design and Construction.
This course covers environmentally sustainable practices used in building design and construction. THE LEED system will be used to guide the course, which covers aspects of sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality and the CAD design process. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

CSM 4369. Construction Contracts, Liability and Ethics.
Legal aspects of design and construction contract documents are presented, including contract formation, interpretation, rights and duties and changes. Legal liabilities are explored in the context of professional ethics for design firms and constructors. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CSM 4370. Residential Capstone.
This is an advanced course in residential construction related to developing communities and building homes. Students work in groups to develop proposals to select and develop raw land into build-able lots, design and schedule site specific homes, and develop a marketing plan. AIC Level 1 Examination required. Prerequisite: CSM 3369 and CSM 4313 and CSM 4364 and CSM 4369 all with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 4380. Construction Safety.
This course covers construction and concrete industry safety-related topics, including state and federal construction safety laws, the application of the Occupational Safety and Health Administration (OSHA) and Mining Occupational Safety Administration (MOSA) requirements, and writing safety plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

Courses in Technology (TECH)

TECH 1311. Engineering Design Graphics.
This course provides an introduction to the fundamentals of technical drawing and the related graphical tools used to communicate engineering design concepts. The topics include two dimensional graphics, orthographic projections, geometric dimensioning and tolerancing, computer-aided graphics, parametric solid modeling, and introduction to three dimensional graphics.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 1363. Manufacturing Processes I.
The course will provide an overview of the manufacturing processes. Major emphasis is placed on machining theory, setup and tooling. Metal forming and fabrication procedures are introduced. Joining and assembly includes welding, mechanical fastening, adhesive bonding and surface finishing concepts. Laboratory demonstrations and tutorials involve machining, joining and forming techniques.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 1393. Manufacturing Processes II.
The course involves the fundamentals of casting and molding processes. Emphasis is placed on casting terminology, molding sand, molding processes, pattern making, coremaking and quality control. Ferrous and non-ferrous alloy composition and casting geometry are explored. Plastic and composite forming concepts are included. Microelectonic manufacturing principles and processes are introduced. Prerequisite: TECH 1363 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 2190. Industrial Internship.
This course is a supervised experiential learning course in various technical disciplines as appropriate to a student's degree program. This work integrated learning course helps the student link theory with practice. Repeatable for credit. Prerequisites: 45 hours completed with at least 12 having been completed at Texas State and a minimum major GPA of 2.25.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 2310. Introduction to Computer-Aided Design (CAD).
Principles of 3D modeling are introduced in the preparation of drawings for manufacturing processes. Emphasis includes the parametric solid modeling of machine elements and geometric dimensioning and tolerancing. The laboratory component involves production of engineering drawings and simulations connecting this course to computer-aided engineering. Prerequisite: ENGR 1313 or TECH 1311 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 2340. Environmental Technology I.
This course emphasizes the fundamental chemical, biological, ecological and hydrological principles, and mass and energy balances involved in solving environmental problems. Specific environmental areas covered include water, water quality and wastewater treatment. Environmental regulations and testing as pertinent to water will be covered. Prerequisite: CHEM 1342 and PHYS 1430 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 2344. Power Technology.
This class deals with understanding the basic laws of thermo-dynamics. It probes efficiency and examines energy-converting devices from the inputs, processes, outputs model. Internal combustion engines, electric motors, hydraulic, pneumatic, and gearing systems, and fuel analysis are reviewed from a practical and theoretical perspective. Prerequisites: [MATH 1315 or MATH 1317 or MATH 2417 or MATH 2471] and [(PHYS 1115 and PHYS 1315) or PHYS 1430] all with grades of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 2351. Statics and Strength of Materials.
Course covers principles of statics and strength of materials to include forces, equilibrium, friction, centroids, and stress/strain relationships, axial stress and deformation, thermal stress and deformation, stress concentrations, factor of safety, torsional stress, beam stresses and combined stress. Prerequisite: [CSM 2342 or ENGR 2300] and [(PHYS 1115 and PHYS 1315) or PHYS 1430] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 2370. Electricity/Electronics Fundamentals.
This course covers fundamentals of safety, Ohm's Law, series, parallel, and series/parallel circuits, meters, relays, DC/AC circuit analysis and basic semiconductors.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ENGR 2305

TECH 3322. Development of Technology.
The role of technology in the development of Western World culture is studied from a technical perspective. Social repercussions resulting from the introduction of foundational technical developments are reviewed. Examples of technical areas examined are agriculture, transportation, manufacturing, engineering, defense, and communications. Readings focus discussions and papers on specific topics and encourage synthesis level understanding. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

TECH 3340. Environmental Technology II.
This course covers air pollution, solid waste and hazardous waste management, sustainability and risk management. Environmental regulations and testing as pertinent to soils, sediments, residual and air will be covered. Prerequisite: TECH 2340 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 3344. Applied Thermofluids.
Basic concepts, first and second laws of thermodynamics, thermodynamic properties, heat transfer by conduction, convection and radiation, fluid statics and fluid dynamics are studied. Prerequisite: PHYS 1430 and TECH 2344 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 3345. Principles of Lean Systems.
The course provides an in-depth understanding of the lean principles as they apply to manufacturing and service organizations with emphasis on lean tools and concepts such as Value Stream Mapping, 5S, kaizen, waste, takt/cycle time, visual control, six-sigma, mistake proofing, single piece flow, cell design and pull systems. Prerequisite: TECH 3364 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 3357. Facilities Planning and Design.
This project-based course provides students with a practical knowledge of designing efficient facility layout and material handling system. Systematic layout planning (SLP) based on a product and process information is studied in depth. Simulation tools are used for flow analysis. Prerequisities: TECH 2310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 3364. Quality Assurance.
This course covers the principles of quality management to include basic probability and statistics concepts, control charts for attributes and variables, sampling plans, quality audits and costs. The laboratory component of this class includes exercises that provide exposure to basic metrology and data collection.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 3370. Electronics.
This course is a study of the characteristics of basic electronic circuits and their component parts. Course content includes the use of electronic test equipment, inductance, capacitance, reactance, impedance, rectification, switching, amplification, and electronic circuitfabrication. Prerequisite: EE 2400 or TECH 2370 either with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 3373. Communication Systems.
This course deals with basic principles of communication systems. Specific topics include analysis of signals and systems, modulation techniques (digital and analog), analysis of transmitters and receivers, networking, and wireless communication systems. Prerequisite: EE 2400 or TECH 2370 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 4330. Foundry & Heat Treatment.
The technical aspects of foundry and heat treatment of ferrous and non-ferrous metals are reviewed. Students gain proficiency with interpretation of binary phase diagrams, mathematical modeling of gate and runner systems, micro-structural analysis, process cost evaluation, sand casting, and investment casting. The course includes writing technical reports and conducting experiments. Prerequisites: ENGR 2300 and [ENGR 1313 or TECH 1311] and [MFGE 2332 or TECH 1393] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

TECH 4340. Design for Environment.
This course covers the basic principles of design for environment. Topics covered include: industrial ecology, resource depletion, product design, process design, material selection, energy efficiency, product delivery, use, end of life and life cycle analysis. Prerequisite: TECH 3340 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 4362. Manufacturing Process Engineering.
This course will provide students with fundamentals of manufacturing processes planning and engineering. Major emphasis will be placed on make-buy analysis, tolerance analysis and dimensional control, tool and fixture design, process and material selection, design for manufacturing, design for assembly, and process planning. Prerequisites: TECH 1393 and TECH 2310 both with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 4365. Machine Elements: Dynamics and Design.
Principles of the design of mechanical components; theories of failure; material selection; design of shafts, gears, cams, fasteners, springs and brakes; dynamics; balancing of machinery and vibration control are studied. Prerequisite: TECH 2310 and TECH 2351 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 4372. Electronic Devices and Circuits.
This course covers transistor configurations, field effect transistors and circuits, voltage regulation, amplifier feedback principles, operational amplifiers and circuitry, and unijunction transistors and applications. Prerequisites: EE 2400 or TECH 2370 either with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 4373. Control Systems and Instrumentation.
This course is an introduction to modern control systems and instrumentation. Topics covered include transducers, sensors, actuators, instrumentation, open and closed loop control systems, PID controllers, programmable logic controllers and ladder logic, and computer interface software and hardware. Prerequisites: EE 2400 or TECH 2370 either with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 4374. Digital Systems.
Solid state digital electronics from basic concepts to current industrial needs in terms of logic gates (all types), number systems counters (all types), registers (all types), sequential control circuits, and shift register generator. Prerequisite: PHYS 2425 or TECH 2370 either with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 4380. Industrial Safety.
Introduction to the field of industrial safety with emphasis on compliance with Federal and State regulations. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

TECH 4389A. Advanced Residential Construction.
Advanced concepts in residential construction are covered including land acquisition, land development, infrastructure, deed restrictions, cash flow, financial forecasting, marketing, scheduling and sustainable building practices. Prerequisite: CSM 2360 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TECH 4389B. Construction Industry Best Practices.
This course will cover current issues facing the construction industry today including the best practices used to resolve these issues. Several industry leaders will lecture on these contemporary problems facing the industry. Restricted to Junior level Construction Science and Management Majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TECH 4390. Internship.
Supervised on-the-job professional learning experience in construction, manufacturing, electronics, and other technical areas. This course provides practical work experience in their particular field of interest. Repeatable for credit. (WI) Prerequisites: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Dual Enrollment Permitted|Time Conflicts Permitted|Writing Intensive
Grade Mode: Standard Letter

TECH 4392. Micro and Nano Manufacturing.
This course covers the basic principles of micro and nano manufacturing. Emphasis is placed on the process descriptions, terminology, equipment requirements, and processes for micro and nano systems. Basic physics and process chemistry is combined with control schemes to arrive at overall systems descriptions. Prerequisite: [CHEM 1335 or CHEM 1341] and [PHYS 1325 or PHYS 1420 or PHYS 2425] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 4395. Automated Manufacturing Systems I.
This course primarily deals with automation in industrial systems. In particular, this course focuses on automation and control technologies in manufacturing systems at machine and device levels. Included in its structure are areas such as fundamentals of industrial automation, sensors and actuators, numerical control, robotics, and PLC. Prerequisites: TECH 2310 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 4396. Automated Manufacturing Systems II.
This course primarily deals with automation, simulation, and digitization in industrial systems. Course topics include discrete-event simulation of manufacturing systems , automated quality control and inspection, automated identification, industrial Internet of Things, automated material handling, automated data acquisition systems, and applied finite element analysis. Prerequisites: TECH 4395 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 4397. Special Problems.
The investigation of a special topic by developing the problem, researching the topic, and presenting the findings as they apply to industry/technology. This course will be applicable to all areas of technology, and must be done only with the approval of the cooperating faculty member and Department Chair. Repeatable for credit with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TECH 4398. Senior Design.
This course deals with application of technical and non-technical skills and knowledge using a multidisciplinary team-based approach for solving real-world problems related to product and process development. The topics include systematic product design, requirements analysis, project management, cost estimation, documentation and presentation, prototyping, fabrication and concurrent engineering. (WI) Prerequisites: EE 3400 or TECH 3340 or TECH 3373 or TECH 4372 or TECH 4395 any with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

Bachelor of Science (B.S.) Major in Concrete Industry Management

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine semester credit hours must be writing intensive (WI).
4. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
5. A minor in Business Administration is required for this degree program. Courses for the minor in Business Administration are included in the following degree plan.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communica Component Code 010)	3	POSI 2310 (Governmen Political Science Component Code 070)	3
MATH 2417 (Mathematics Component Code 020)	4	MATH 2321	3
CHEM 1335 (Life & Physical Sciences Component Code 030)	3	PHYS 1315 (Life & Physical Sciences Component Code 030)	3
CHEM 1141	1	PHYS 1115	1
CSM 1260	2		
	14		13

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
HIST 1310 (American History Component Code 060)	3	HIST 1320 (American History Component Code 060)	3	TECH 2190	1
COMM 1310 (Component Area Option Code 090/091)	3	POSI 2320 (Governmen Political Science Component Code 070)	3		
ACC 2361	3	ACC 2362	3		
MATH 2328	3	CIM 3420	4		
CSM 2313	3	TECH 2351	3		
	15		16		1

Junior

First Semester	Hours	Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
ECO 2314 (Social & Behavioral Sciences Component Code 080)	3	ECO 2315	3
MGT 3303	3	MKT 3343	3
CIM 3340	3	CIM 4330	3
CIM 3330	3	CIM 3366	3
	15		15

Senior

First Semester	Hours	Second Semester	Hours
CSM 3368	3	ENG Literature (Component Area Option Code 090/094)	3
CSM 4369	3	BLAW 2361	3
CIM 4398	3	CIM 4499	4
CIM 4310	3	TECH 3364	3
CIM 4340	3	CSM 4380	3
	15		16

Total Hours: 120

Bachelor of Science (B.S.) Major in Construction Science and Management

Minimum required: 120 semester credit hours

Admission Requirements

1. This degree program requires admission to the university and admission to the program. Information about the program admissions can be found at: http://mycatalog.txstate.edu/undergraduate/science-engineering/technology/#admissionstext
2. Students must complete the following 30 semester credit hours of Pre-Construction coursework:

Code	Title	Hours
MATH 2328	Elementary Statistics	3
MATH 2417	Pre-Calculus Mathematics	4
PHYS 1315 & PHYS 1115	General Physics I and General Physics I Laboratory	4
CHEM 1335 & CHEM 1141	Engineering Chemistry and General Chemistry Laboratory I	4
PHYS 1325 & PHYS 1125	General Physics II and General Physics II Laboratory	4
CSM 1260	Introduction to the Construction and Concrete Industry	2
CSM 2313	Architecture Design I - Construction Documents	3
CSM 2342	Construction Materials and Processes	3
TECH 2351	Statics and Strength of Materials	3
Total Hours		30

2. When a student completes the above Pre-Construction coursework, with the required GPA, or is currently enrolled in their final Pre-Construction course(s), the student can apply to become a "Full Major".

General Requirements

1. After completing the Pre-Construction coursework, students will be allowed to enter the major and to enroll in the following Construction courses:

Code	Title	Hours
CSM 2160	Introduction to Construction Surveying and Site Layout	1
CSM 2360	Residential Construction I: Home Production	3
CSM 3360	Structural Analysis	3
CSM 3361	Commercial Building Construction Systems	3
CSM 3363	Heavy, Civil and Highway Construction Systems	3
CSM 3366	Soils and Foundations	3
CSM 3367	Mechanical, Electrical and Plumbing Systems	3
CSM 4313	Architectural Design II - Technology in Construction	3
CSM 4360	Senior Construction Management Capstone	3
CSM 4361	Construction Estimating	3
CSM 4364	Construction Project Management and Scheduling	3

CSM 4368	Environmentally Conscious Design and Construction	3
CSM 4369	Construction Contracts, Liability and Ethics	3
CSM 4380	Construction Safety	3
TECH 2190	Industrial Internship	1
Total Hours		41

2. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine semester credit hours must be writing intensive (WI).
5. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
6. A minor in Business Administration is required for this degree program. Courses for the minor in Business Administration are included in the following degree plan.
7. No "D" grades received at other institutions will be credited towards the major.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CSM 1260	2	MATH 2328	3
PHYS 1315 (Life & Physical Sciences Component Code 030)	3	PHYS 1325 (Life & Physical Sciences Component Code 030)	3
PHYS 1115	1	PHYS 1125	1
MATH 2417 (Mathemati Component Code 020)	4	CSM 2342	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communica Component Code 010)	3	CSM 2313	3
POSI 2310 (Government/ Political Science Compnent Code 070)	3		
	17		16

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
ACC 2301	3	COMM 1310 (Component Area Option Code 090/091)	3	TECH 2190	1
CHEM 1335	3	CSM 2360	3		
CHEM 1141	1	CSM 3360	3		
BLAW 2361	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3		
POSI 2320 (Government/ Political Science Component Code 070)	3	CSM 3361	3		
TECH 2351	3	CSM 2160	1		
	16		16		1

Junior

First Semester	Hours	Second Semester	Hours
CSM 4361	3	CSM 3363	3
CSM 4364	3	CSM 3366	3
CSM 4369	3	CSM 3367	3
ECO 2301 (Social & Behavioral Sciences Component Code 080)	3	CSM 4313	3
		HIST 1310 (American History Component Code 060)	3
	12		15

Senior

First Semester	Hours	Second Semester	Hours
CSM 4368	3	CSM 4360	3
CSM 4380	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
MGT 3303	3	MKT 3343	3

HIST 1320 (American History Component Code 060)	3	CIS 3317 or CSM 3368	3
ENG Literature (Component Area Option Code 090/094)	3		
	15		12

Total Hours: 120

Bachelor of Science (B.S.) Major in Construction Science and Management (Residential Construction Concentration)

General Requirements

1. After completing the Pre-Construction coursework, students will be allowed to enter the major and to enroll in the following Construction courses:

Code	Title	Hours
CSM 2160	Introduction to Construction Surveying and Site Layout	1
CSM 2360	Residential Construction I: Home Production	3
CSM 3360	Structural Analysis	3
CSM 3361	Commercial Building Construction Systems	3
CSM 3366	Soils and Foundations	3
CSM 3367	Mechanical, Electrical and Plumbing Systems	3
CSM 3369	Residential Construction II: Business Practices	3
CSM 4313	Architectural Design II - Technology in Construction	3
CSM 4361	Construction Estimating	3
CSM 4364	Construction Project Management and Scheduling	3
CSM 4368	Environmentally Conscious Design and Construction	3
CSM 4369	Construction Contracts, Liability and Ethics	3
CSM 4370	Residential Capstone	3
CSM 4380	Construction Safety	3
TECH 2190	Industrial Internship	1
Total Hours		41

2. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
3. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
4. Nine semester credit hours must be writing intensive (WI).
5. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
6. A minor in Business Administration is required for this degree program. Courses for the minor in Business Administration are included in the following degree plan.
7. No "D" grades received at other institutions will be credited towards the major.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CSM 1260	2	MATH 2328	3
PHYS 1315 (Life & Physical Sciences Component Code 030)	3	PHYS 1325 (Life & Physical Sciences Component Code 030)	3
PHYS 1115	1	PHYS 1125	1
MATH 2417 (Mathemati Component Code 020)	4	CSM 2342	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communic Component Code 010)	3	CSM 2313	3
POSI 2310 (Government/ Political Science Component Code 070)	3		
	17		16

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
ACC 2301	3	COMM 1310 (Component Area Option Code 090/091)	3	TECH 2190	1
CHEM 1335	3	CSM 2360	3		
CHEM 1141	1	CSM 3360	3		

BLAW 2361	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3	
POSI 2320 (Government/ Political Science Component Code 070)	3	CSM 3361	3	
TECH 2351	3	CSM 2160	1	
	16		16	1

Junior

First Semester	Hours	Second Semester	Hours	
CSM 4361	3	CSM 3366	3	
CSM 4364	3	CSM 3367	3	
CSM 4369	3	CSM 3369	3	
ECO 2301 (Social & Behavioral Sciences Component Code 080)	3	CSM 4313	3	
		HIST 1310 (American History Component Code 060)	3	
	12		15	

Senior

First Semester	Hours	Second Semester	Hours	
CSM 4368	3	CSM 4370	3	
MGT 3303	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	
HIST 1320 (American History Component Code 060)	3	MKT 3343	3	
CSM 4380	3	CIS 3317 or CSM 3368	3	
ENG Literature (Component Area Option Code 090/094)	3			
	15		12	

Total Hours: 120

Bachelor of Science (B.S.) Major in Technology Management (Electronics Technology Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine semester credit hours must be writing intensive (WI).
4. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
MATH 1315 (Mathematics Component Code 020)	3	MATH 2328	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	PHYS 1315 (Life & Physical Sciences Component Code 030)	3
ENG 1310 (Communication Component Code 010)	3	PHYS 1115	1

POSI 2310 (Governmen Political Science Component Code 070)	3	ENG 1320 (Communica Component Code 010)	3
COMM 1310 (Component Area Option Code 090/091)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
US 1100	1	CHEM 1335	3
		CHEM 1141	1
	16		17

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
ECO 2301 (Social & Behavioral Sciences Component Code 080)	3	TECH 3370	3	TECH 2190	1
TECH 1311	3	TECH 2310	3		
ENGR 2300	3	TECH 2344	3		
TECH 2370	3	TECH 2351	3		
PHYS 1325 (Life & Physical Sciences Component Code 030)	3	TECH 3373	3		
PHYS 1125	1				
	16		15		1

Junior

First Semester	Hours	Second Semester	Hours
TECH 4374	3	TECH 3357	3
TECH 4372	3	TECH 3345	3
TECH 3364	3	TECH 4392	3
ENG Literature (Component Area Option Code 090/094)	3	TECH 4373	3
PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3	HIST 1310 (American History Component Code 060)	3
PFW	1		
	16		15

Senior

First Semester	Hours	Second Semester	Hours
MGT 3303	3	MGT 4330	3
TECH 4395	3	TECH 4396	3
TECH 4398	3	TECH 4380	3
HIST 1320 (American History Component Code 060)	3	TECH 4398	3
	12		12

Total Hours: 120

Bachelor of Science (B.S.) Major in Technology Management (Manufacturing Technology Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine semester credit hours must be writing intensive (WI).
4. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
MATH 1315 (Mathematics Component Code 020)	3	MATH 2328	3
TECH 1363	3	CHEM 1335	3
ENG 1310 (Communication Component Code 010)	3	CHEM 1141	1
POSI 2310 (Governmen Political Science Component Code 070)	3	ENG 1320 (Communica Component Code 010)	3

COMM 1310 (Component Area Option Code 090/091)	3	POSI 2320 (Government/ Political Science Component Code 070)	3		
US 1100	1	TECH 1393	3		
	16		16		

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	PHYS 1325 (Life & Physical Sciences Component Code 030)	3	TECH 2190	1
TECH 1311	3	PHYS 1125	1		
ENGR 2300	3	TECH 2310	3		
PHYS 1315 (Life & Physical Sciences Component Code 030)	3	TECH 2344	3		
PHYS 1115	1	TECH 2351	3		
		TECH 2370	3		
	13		16		1

Junior

First Semester	Hours	Second Semester	Hours
ENG Literature (Component Area Option Code 090/094)	3	TECH 3357	3
TECH 3364	3	TECH 4362	3
TECH 4374	3	TECH 4373	3
PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3	TECH 3345	3
ECO 2301 (Social & Behavioral Sciences Component Code 080)	3	HIST 1310 (American History Component Code 060)	3
PFW	1		
	16		15

Senior

First Semester	Hours	Second Semester	Hours
MGT 3303	3	MGT 4330	3
TECH 4395	3	TECH 4396	3
TECH 4330	3	TECH 4392	3
TECH 4380	3	TECH 4398	3
HIST 1320 (American History Component Code 060)	3		
	15		12

Total Hours: 120

Bachelor of Science (B.S.) Major in Technology Management (Teacher Certification in Technology Education, Grades 6-12)

Minimum required: 122 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine semester credit hours must be writing intensive (WI).
4. A minor in Secondary Education is required.
5. In addition to the major, minor and general education core curriculum requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to EDST 4681.
6. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA. A GPA of at least 2.50 in all assigned courses in the professional sequence with no grade below a "C".
7. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
8. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary

Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
MATH 1315 (Mathematics Component Code 020)	3	MATH 2328	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	CHEM 1335	3
ENG 1310 (Communication Component Code 010)	3	CHEM 1141	1
POSI 2310 (Governmen Political Science Component Code 070)	3	ENG 1320 (Communica Component Code 010)	3
COMM 1310 (Component Area Option Code 090/091)	3	POSI 2320 (Government/ Political Science Compnent Code 070)	3
US 1100	1	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
	16		16

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
PHYS 1315 (Life & Physical Sciences Component Code 030)	3	PHYS 1325 (Life & Physical Sciences Component Code 030)	3	CSM 2313	3
PHYS 1115	1	PHYS 1125	1	HIST 1310 (American History Component Code 060)	3
TECH 1311	3	TECH 2310	3		
ENGR 2300 or CSM 2342	3	TECH 2344	3		
Social & Behavioral Sciences Component Code 080	3	TECH 2351	3		
CIS 1323	3	TECH 2370	3		
	16		16		6

Junior

First Semester	Hours	Second Semester	Hours
CSM 2360	3	TECH 4362	3
TECH 4373 or 4374	3	TECH 3322	3
TECH 4380	3	HIST 1320 (American History Component Code 060)	3
TECH 1363	3	MC 4312	3
CI 3325	3	CI 4332	3
PFW	1		
	16		15

Senior

First Semester	Hours	Second Semester	Hours
CI 4343	3	EDST 4681	6
CI 4370	3		
RDG 3323	3		
TECH 4395	3		
ENG Literature (Component Area Option Code 090/094)	3		
	15		6

Total Hours: 122

Bachelor of Science in Technology (B.S.T.) Major in Engineering Technology (Civil Engineering Technology Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this

catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine semester credit hours must be writing intensive (WI).
4. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CHEM 1141	1	CHEM 1142	1
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3
MATH 2471 (Mathematics Component Code 020)	4	MATH 2472	4
US 1100	1	CSM 2313	3
ENG 1310 (Communication Component Code 010)	3	PHYS 1430	4
POSI 2310 (Governmen Political Science Component Code 070)	3		
	15		15

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
HIST 1310 (American History Component Code 060)	3	TECH 2351	3	TECH 2190	1
CSM 2342	3	ENG 1320 (Communica Component Code 010)	3		
ECO 2301 (Social & Behavioral Sciences Component Code 080)	3	HIST 1320 (American History Component Code 060)	3		
PHYS 2425	4	CSM 2160	1		
COMM 1310 (Component Area Option Code 090/091)	3	TECH 2344	3		
		PFW	1		
	16		14		1

Junior

First Semester	Hours	Second Semester	Hours
CS 1428	4	CIM 3420	4
POSI 2320 (Governmen Political Science Component Code 070)	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
CSM 3360	3	MGT 3303	3
PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3	CSM 4361	3
CSM 3361	3	ENG Literature (Component Area Option Code 090/094)	3
	16		16

Senior

First Semester	Hours	Second Semester	Hours
CSM 3363	3	MGT 4330	3
IE 3320	3	TECH 3345	3
CSM 3366	3	CSM 4360	3
CSM 4364	3	TECH 4380	3
TECH 3364	3		
	15		12

Total Hours: 120

Bachelor of Science in Technology (B.S.T.) Major in Engineering Technology (Electrical Engineering Technology Concentration)

Minimum required: 122 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine semester credit hours must be writing intensive (WI).
4. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CHEM 1141	1	CHEM 1142	1
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3
MATH 2471 (Mathematics Component Code 020)	4	ENGR 2300	3
US 1100	1	MATH 2472	4
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Goverment, Political Science Component Code 070)	3	HIST 1310 (American History Component Code 060)	3
	15		17

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
CS 1428	4	EE 2420	4	TECH 2190	1
TECH 1311	3	TECH 3364	3		
PHYS 1430	4	PHYS 2425	4		
COMM 1310 (Component Area Option Code 090/091)	3	POSI 2320 (Governmen Political Science Component Code 070)	3		
HIST 1320 (American History Component Code 060)	3	TECH 2344	3		
	17		17		1

Junior

First Semester	Hours	Second Semester	Hours
TECH 2370	3	TECH 3373	3
EE 3420	4	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
IE 3320	3	ENG Literature (Component Area Option Code 090/094)	3
TECH 2351	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
ECO 2301 (Social & Behavioral Sciences Component Code 080)	3	TECH 3370	3
	16		15

Senior

First Semester	Hours	Second Semester	Hours
TECH 4380	3	MGT 4330	3
TECH 3345	3	TECH 4392	3
MGT 3303	3	TECH 4373	3
TECH 4372	3	TECH 4398	3
	12		12

Total Hours: 122

Bachelor of Science in Technology (B.S.T.) Major in Engineering Technology (Environmental Engineering Technology Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine semester credit hours must be writing intensive (WI).
4. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CHEM 1141	1	CHEM 1142	1
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3
MATH 2471 (Mathematics Component Code 020)	4	ENGR 2300	3
US 1100	1	MATH 2472	4
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Governmen Political Science Component Code 070)	3	TECH 1363	3
	15		17

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
CS 1428	4	PHYS 2425	4	TECH 2190	1
HIST 1310 (American History Component Code 060)	3	ECO 2301 (Social & Behavioral Sciences Component Code 080)	3		
PHYS 1430	4	COMM 1310 (Component Area Option Code 090/091)	3		
TECH 1311	3	POSI 2320 (Governmen Political Science Component Code 070)	3		
TECH 1393	3	TECH 2344	3		
	17		16		1

Junior

First Semester	Hours	Second Semester	Hours
IE 3320	3	MGT 3303	3
TECH 2351	3	TECH 2340	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	TECH 3364	3
ENG Literature (Component Area Option Code 090/094)	3	TECH 4380	3
PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3		
	15		12

Senior

First Semester	Hours	Second Semester	Hours
CSM 4368	3	HIST 1320 (American History Component Code 060)	3
TECH 3340	3	MGT 4330	3
TECH 3344	3	TECH 4340	3
TECH 3345	3	TECH 4398	3

TECH 4330	3		
	15	12	

Total Hours: 120

Bachelor of Science in Technology (B.S.T.) Major in Engineering Technology (Manufacturing Engineering Technology Concentration)

Minimum required: 123 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine semester credit hours must be writing intensive (WI).
4. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CHEM 1141	1	CHEM 1142	1
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3
MATH 2471 (Mathematics Component Code 020)	4	ENGR 2300	3
US 1100	1	MATH 2472	4
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
TECH 1363	3	TECH 1393	3
	15		17

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
TECH 1311	3	PHYS 2425	4	TECH 2190	1
PHYS 1430	4	TECH 2310	3		
CS 1428	4	TECH 2351	3		
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	COMM 1310 (Component Area Option Code 090/091)	3		
		TECH 2344	3		
	14		16		1

Junior

First Semester	Hours	Second Semester	Hours
ENGR 3373, TECH 3357, TECH 4374, or TECH 4392	3	TECH 4362	3
IE 3320	3	TECH 3364	3
ECO 2301 (Social & Behavioral Sciences Component Code 080)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
HIST 1310 (American History Component Code 060)	3	POSI 2320 (Government Political Science Component Code 070)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	HIST 1320 (American History Component Code 060)	3
	15		15

Senior

First Semester	Hours	Second Semester	Hours
TECH 4395	3	TECH 4380	3
ENG Literature (Component Area Option Code 090/094)	3	ENGR 3315	3
TECH 4330	3	MGT 4330	3
TECH 3345	3	TECH 4396	3
MGT 3303	3	TECH 4398	3
	15		15

Total Hours: 123

Bachelor of Science in Technology (B.S.T.) Major in Engineering Technology (Mechanical Engineering Technology Concentration)

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine semester credit hours must be writing intensive (WI).
4. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
CHEM 1141	1	CHEM 1142	1
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3
MATH 2471 (Mathematics Component Code 020)	4	ENGR 2300	3
US 1100	1	MATH 2472	4
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
TECH 1363	3	TECH 1393	3
	15		17

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
TECH 1311	3	PHYS 2425	4	TECH 2190	1
PHYS 1430	4	TECH 2310	3		
CS 1428	4	TECH 2351	3		
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	COMM 1310 (Component Area Option Code 090/091)	3		
		TECH 2344	3		
	14		16		1

Junior

First Semester	Hours	Second Semester	Hours
TECH 3373 or ENGR 3373	3	TECH 3344	3
IE 3320	3	TECH 3364	3
ECO 2301 (Social & Behavioral Sciences Component Code 080)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
HIST 1310 (American History Component Code 060)	3	POSI 2320 (Governmen Political Science Component Code 070)	3
POSI 2310 (Government/ Political Science Component Code 070)	3	HIST 1320 (American History Component Code 060)	3
	15		15

Senior

First Semester	Hours	Second Semester	Hours
TECH 4395	3	TECH 4380	3
TECH 3345	3	TECH 4396	3
TECH 4365	3	MGT 4330	3
MGT 3303	3	TECH 4398	3
ENG Literature (Component Area Option Code 090/094)	3		
	15		12

Total Hours: 120

Minor in Technology

The minor in Technology requires 18 semester credit hours of Technology courses, of which 9 hours must be advanced. Courses will be determined

by conference with a departmental faculty advisor or the Chair of the Department of Engineering Technology.

Department of Mathematics

Math/Computer Science Building Room 470
T: 512.245.2551 F: 512.245.3425
www.math.txstate.edu/ (https://www.math.txstate.edu)

The study of mathematics is more than four thousand years old and comprises an enormous body of knowledge. Mathematics remains a very active area of research continually giving rise to new theories and questions. The knowledge accumulated and the questions being considered concern both mathematics itself and its many applications.

Mathematics is a fundamental skill required at some minimal level of all educated people, and required in depth in many professions. The teaching objective of our Department includes the development of reasoning and computations skills, and the preparation of students for careers requiring a significant mathematical background.

Centers for Excellence

Mathworks, a center for innovation in mathematics and math education, designs and hosts programs for students from kindergarten to high school, conducts research on math curriculum, and provides training for teacher education students as well as current teachers. Mathworks received the 2001 Star Award for Closing the Gaps from the Texas Higher Education Coordinating Board and the 2007 Siemens Founders Award.

Majors

The department offers the Bachelor of Science with a major in Mathematics with or without teacher certification, the Bachelor of Science with a major in Applied Mathematics, and the Bachelor of Arts with a major in Mathematics.

Bachelor of Arts (B.A.)

- Major in Mathematics (p. 689)

Bachelor of Science (B.S.)

- Major in Applied Mathematics (p. 690)
- Major in Mathematics (p. 691)
- Major in Mathematics (Teacher Certification in Mathematics, Grades 7-12) (p. 692)

Minors

- Applied Mathematics (p. 693)
- Mathematics (p. 693)
- Second Teaching Field in Mathematics (Grades 7-12) (p. 694)

Courses in Mathematics (MATH)

MATH 1101. Math Education Intervention.
Students benefit from innovative, research-based approaches for learning mathematics, and this course will deliver supplemental mathematical instruction as one such intervention. Students will be assessed using college readiness indicators or other information to determine individualized approaches. The course is designed for students in 1000 level mathematics courses who feel they would benefit from additional course based support. Prerequisite: Departmental Approval. Corequisite: MATH 1312 or MATH 1315 or MATH 1316 or MATH 1319.
1 Credit Hour. 0 Lecture Contact Hours. 24 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 1300. Elementary Algebra.
A course to remediate and review basic academic skills in mathematics, including number concepts, computation, elementary algebra, geometry and mathematical reasoning. Credit earned for this course does not count toward any degree offered by the university.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Developmental/Remedial
Grade Mode: Developmental

MATH 1311. Intermediate Algebra.
This preparatory course for college algebra includes linear equations and inequalities, rational expressions, exponents and radicals, quadratics and word problems. This course is designed for students who've graduated from high school with no more than the minimum mathematics requirements or for students who've been away from mathematics for years. Prerequisites: TSI Assessment Test Score of 345 or more.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Developmental/Remedial|Lab Required
Grade Mode: Developmental

MATH 1312. College Statistics and Algebra.
A course covering linear and quadratic equations, inequalities, functions and their graphs, logarithms, systems of equations, and applications of mathematics. Special emphasis on statistical concepts including linear and quadratic regression, distributions confidence intervals, & hypothesis testing. This course is not intended to substitute for MATH 1315 as a prerequisite. Prerequisite: College Readiness in Mathematics according to the TSI regulations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020
Grade Mode: Standard Letter
TCCN: MATH 1342

MATH 1315. College Algebra.
A course covering linear and quadratic equations, inequalities, word problems, functions, logarithms, systems of equations and other college algebra topics as time permits. Prerequisite: College Readiness in Mathematics according to the TSI regulations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020
Grade Mode: Standard Letter
TCCN: MATH 1314

MATH 1316. Survey of Contemporary Mathematics.
(MATH 1332) A study of the uses of mathematics in society today. Emphasis is on concepts rather than technical details. May not be used as a prerequisite for any other mathematics course. Prerequisite: College Readiness in Mathematics according to TSI regulations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020
Grade Mode: Standard Letter
TCCN: MATH 1332

MATH 1317. Plane Trigonometry.
A course covering trigonometric functions, right triangles, radian measure, graphs of trigonometric functions, trigonometric identities, including multiple and half-angle identities, inverse trigonometric functions, trigonometric equations, oblique triangles, and complex numbers. Prerequisite: MATH 1315 with a grade of "C" or better, Accuplacer College Mathematics score of 86 or more, or Compass College Algebra score of 46 or more.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020
Grade Mode: Standard Letter
TCCN: MATH 1316

MATH 1319. Mathematics for Business and Economics I.
Topics from college algebra and finite mathematics which apply to business and economics including applications of equations and inequalities, simple and compound interest and annuities. Prerequisite: College Readiness in Mathematics according to the TSI regulations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020
Grade Mode: Standard Letter
TCCN: MATH 1324

MATH 1329. Mathematics for Business and Economics II.
Topics from finite mathematics and elementary differential calculus which apply to business and economics. Prerequisites: MATH 1315 or 1319 with a grade of "C" or better, ACT Mathematics score of 27 or more, SAT Mathematics score of 580 or more, SAT Math Section score of 600 or more, Accuplacer College Mathematics score of 86 or more, or Compass College Algebra score of 46 or more.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020
Grade Mode: Standard Letter
TCCN: MATH 1325

MATH 2311. Principles of Mathematics I.
Logical deductive reasoning, number theory, a rational development of the real numbers with the associated number structures and algorithms for the fundamental operations, including historical, philosophical and cultural significance. Prerequisite: MATH 1315 or MATH 1312; with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MATH 1350

MATH 2312. Informal Geometry.
Geometric measuring. Euclidean Geometry, and topics associated with informal geometry, including historical, philosophical, and cultural significance. Prerequisite: MATH 2311 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MATH 1351

MATH 2321. Calculus for Life Sciences I.
This course is designed to serve the needs of students in the life sciences. Topics will include: graphs, derivatives, exponents and logarithms, scientific notation, sequences, summation, and applications. Prerequisite: MATH 1315 with a grade of "C" or better, ACT Mathematics score of 24 or more, SAT Mathematics score 520 or more, SAT Math Section score of 550 or more, Accuplacer College Mathematics score of 86 or more, or Compass College Algebra score of 46 or more.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020
Grade Mode: Standard Letter
TCCN: MATH 2313

MATH 2328. Elementary Statistics.
This course is an algebra-based introduction to descriptive statistics, random sampling, design of experiments, probability and the Central Limit Theorem. Inferential statistics topics include the foundational concepts for confidence intervals and hypothesis testing for simple experiments. Prerequisites: MATH 1315, MATH 1312, with grades of "C" or better, MATH 2321, MATH 2417, MATH 2471; with a grade of "D" or better, ACT Mathematics score of 24 or more, SAT Mathematics score of 520 or more or SAT Math Section score of 550 or more.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MATH 1342

MATH 2331. Calculus for Life Science II.
Topics in this course will include: trigonometric functions, probability, integral calculus, differential equations, and applications. Prerequisites: MATH 2321 with a grade of “C” of better or MATH 2471 with a grade of “D” of better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 2358. Discrete Mathematics I.
This course is a study of discrete mathematical structures that are commonly encountered in computing hardware and software. Prerequisites: MATH 1315 with a grade of “C” of better, and MATH 2417 or MATH 2471 with a grade of “D” of better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MATH 2305

MATH 2417. Pre-Calculus Mathematics.
A survey of functions, trigonometry and analytic geometry to prepare students for calculus. Prerequisites: MATH 1315 with a grade of "C" or better, ACT Mathematics score of 24 or more, SAT Mathematics score of 520 or more, SAT Math Section score of 550 or more, Accuplacer College Mathematics score of 86 or more, or Compass College Algebra score of 46 or more.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020|Lab Required
Grade Mode: Standard Letter
TCCN: MATH 2412

MATH 2471. Calculus I.
This is the first course in differential and integral calculus which stresses limits as well as the applications of calculus to the problems of science. Prerequisites: MATH 2417 with a grade of "C" or better, ACT Mathematics score of 27 or more, SAT Mathematics score of 580 or more, SAT Math Section score of 600 or more, Accuplacer College Mathematics score of 103 or more, Compass Trigonometry score of 46 or more.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020|Lab Required
Grade Mode: Standard Letter
TCCN: MATH 2413

MATH 2472. Calculus II.
A continuation of differential and integral calculus including methods of integration, sequences and series, and introduction to partial derivatives. Prerequisite: MATH 2471 with a grade of “C” or better.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: MATH 2414

MATH 2473. Integral Calculus with Multivariables and Series.
This course is a continuation of differential and integral calculus. Select topics from Calculus II and Calculus III are covered including methods of integration, sequences and series, and introduction to partial derivatives. Prerequisite: MATH 2471 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Mathematics CAO 092
Grade Mode: Standard Letter
TCCN: MATH 2415

MATH 3305. Introduction to Probability and Statistics.
Basic probability models, generating functions and conditional probability, also discrete and continuous, univariate and bivariate distributions of random variables. Concepts of estimation, tests of hypothesis and statistical inference. Prerequisite: MATH 2472 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3306. Introduction to Statistical Methods.
This calculus-based statistics course covers basic descriptive statistics, concept of probability, binomial and normal probability distributions, sampling distributions, concepts of estimation and hypothesis testing, confidence Intervals, t-test, chi-square tests, simple linear regression, and one-factor analysis of variance. Prerequisites: MATH 2472 with a grade of "C" or better; 2.75 overall GPA. Restricted to Mathematics majors seeking teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3315. Modern Geometry.
Modern geometry with an emphasis on the triangle, circle, plane and Euclidian geometry, an historical aspects will be integrated into the course. May not be applied toward a minor in mathematics. Prerequisites: MATH 2321 or MATH 2471 with a grade of “C” or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3323. Differential Equations.
A course covering solutions to the more common types of ordinary differential equations, especially those of first and second order, with emphasis on geometrical and physical interpretations. Prerequisite: MATH 2472 or MATH 2473; with grades of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3325. Number Systems.
Algebraic construction of the natural numbers. Covers the basic vocabulary and proof techniques of abstract algebra, and the structural properties of the natural numbers, integers, rational, real and complex number systems. Prerequisite or Co-requisite: MATH 2471 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3330. Introduction to Advanced Mathematics.
An introduction to the theory of sets, relations, functions, countable and uncountable sets, and other selected topics. Algebraic structure and topological properties of Euclidean Space, and an introduction to metric spaces. Prerequisite: MATH2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3348. Deterministic Operations Research.
This course provides a broad overview of deterministic operations research techniques. Linear programming will be covered including the simplex method, duality and sensitivity analysis. Further selected topics are from integer programming, dynamic programming, scheduling models, game theory, and associated topics. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3373. Calculus III.
A course covering sequences and series, vectors, functions of several variables, partial derivatives, multiple integrals, line and surface integrals, and applications. Prerequisite: MATH 2472 with a grade of “C” or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3375. Engineering Mechanics.
A course covering statics, using a vector approach to mechanics. The course is designed to satisfy the requirements of engineering Colleges. This course cannot be used to satisfy the requirements of Engineering degrees. Prerequisite: PHYS 1430. Prerequisite or Co-requisite: MATH 2472 all with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3376. Applied Linear Algebra.
This course covers linear algebra, matrix theory, and computational aspects of both. Topics include a variety of methods for solving systems and related properties. Emphasis is placed on topics useful in civil engineering, applied mathematics, and other disciplines, serving as a preparatory course for the finite element method. Students cannot receive credit for both MATH 3376 and MATH 3377. Prerequisite: MATH 2472 or MATH2473, with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3377. Linear Algebra.
An introductory course in linear algebra covering vector spaces, linear transformation, matrices, systems of linear equations, and inner product spaces. Prerequisite: MATH 2472 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3380. Analysis I.
A course covering the introduction to the theory of real functions. Topics include limits, continuity and derivatives and associated topics. Prerequisite: MATH 3330 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3383. Numerical Analysis I.
This course focuses on basic numerical methods in mathematics to the solution of functional problems in fields such as engineering and applied sciences. This course covers instructions in computer arithmetic, solutions of equations, interpolation, numerical differentiation/integration, and applications to scientific and industrial applications. Prerequisite: MATH 2472 with grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3398. Discrete Mathematics II.
A continuation of discrete Mathematics I. Prerequisite: MATH 2358 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4302. Principles of Mathematics II.
Algebraic reasoning and probability with selected topics from quantitative reasoning, measurement, statistics, and geometry are integrated with middle school pedagogical practices such as inquiry learning and use of technology. Appropriate correlated lessons, writing components, and culturally responsive teaching are incorporated. Prerequisite: MATH 2312 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MATH 4303. Capstone Mathematics for Middle School Teachers.
A rigorous, integrated, analytical perspective of mathematical topics; quantitative reasoning, geometry and measurement, probability and statistics, number theory and algebraic reasoning. May not be applied towards a mathematics minor. Must be taken before student teaching. Prerequisites: Math 2331 or 2472 and Math 3315 with grades of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4304. Capstone Mathematics for Secondary Teachers (of Mathematics).
Basic concepts underlying algebra, geometry, trigonometry, and calculus taught from an advanced standpoint, including historical, philosophical, and cultural significance. May not be applied toward a minor in mathematics. Must be taken before student teaching. Prerequisite: MATH 3315 and MATH 2331 or MATH 2472 with grades of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4305. Probability and Statistics.
A course covering sample spaces, probability of events, binomial and multinomial distributions, random variables, normal approximations, statistical inference, and applications. Prerequisite: MATH 3305 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4306. Fourier Series and Boundary Value Problems.
Advanced solution methods for differential equations; partial differential equations; series approximations, Fourier series; boundary value problems typical of scientific applications. Prerequisite: MATH 3323 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4307. Modern Algebra.
A course covering elementary set theory, structures, functions, and concepts of modern algebra. Prerequisites: MATH 3330 with a grade of "C" or higher and MATH 3325 or 3377 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4311. Introduction to the History of Mathematics.
A survey of the development of major mathematical topics, including geometry, algebra, calculus, and advanced mathematics. Philosophical and cultural aspects will be integrated with the structure, theorems, and applications of mathematics. May not be applied toward a minor in mathematics. Prerequisite: MATH 3315 with a grade of "C" or higher and MATH 2331 or MATH 2472 with a grade of "C" or higher. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MATH 4315. Analysis II.
A continuation of MATH 3380. Topics include integration, series and sequences of functions and associated topics. Prerequisite: MATH 3380 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4330. General Topology.
Topics include introductory treatment of convergence, continuity, compactness, connectedness and fixed points in topological spaces with special emphasis on metric spaces. Prerequisite: MATH 3330 or MATH 3380 with a grade of “C” or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4336. Studies in Applied Mathematics.
Selected topics including Laplace transforms, complex variables, advanced calculus for applications, calculus of variations, integral equations, intermediate differential equations, vector analysis, etc. May be repeated once for credit with a different topic. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MATH 4337A. Topological Data Analysis.
This research-based course introduces students to computational topology and topological data analysis. In addition to studying existing data studies from the recent scientific literature, students will also analyze a data set they have personally chosen. Students will present their progress and results both orally and in writing. Prerequisite: MATH 3377.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MATH 4337B. Research in Discrete Mathematics.
This course is an introduction to creative mathematical activities. It provides an opportunity to perform research in discrete mathematics, as well as to learn how to present mathematical results both orally and in writing. These skills are essential for those students continuing into graduate studies. Prerequisite: Texas State GPA 3.25; MATH 2358. Corequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MATH 4337C. Numerical Methods for Ordinary Differential Equations.
This research-based course has students investigate known methods of numerically solving ordinary differential equations (Runge-Kutte, Adams, Predictor-Corrector, etc.). Students will research the effect of variations on these methods by implementing their algorithm modifications in mathematical software and reporting on their results. Prerequisite: MATH 3373; MATH 3377.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MATH 4337D. Topics in Topology.
This course introduces students to modern research methods in topology. Specific topics will vary based on student interest and input, but the basic concepts and methods of algebraic topology (homology and cohomology groups, homotopy groups), homotopy theory, and simplicial methods form the backbone of this course. Prerequisite: MATH 4330 with a grade of "C" or better and a minimum 2.0 Texas State GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 4350. Introduction to Combinatorics.
This course introduces fundamental concepts and results in combinatorics such as counting techniques, binomial coefficients, and recurrence relations; and applications in different fields such as complexity of algorithms and graph theory. Mathematical proofs are an essential part of this course. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4382. The Literature and Modern History of Mathematics and Its Applications.
This course will focus on mathematical articles in recent journals. The articles will be re-written so that the proofs and comments are more easily understood by the casual reader. This embellishment of journal articles will take place in class with the class participating, in groups for outside work and as individual assignments. May not be applied toward a minor in mathematics. Prerequisites: A grade of “C” or better in two of these three: MATH 3380, MATH 4307, or MATH 4330. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

MATH 4383. Numerical Analysis II.
This course focuses on a broad range of mathematical and computational methods in modeling, analysis, and simulation of scientific and engineering problems. This course covers instructions in numerical analysis, approximation, optimization, differential equations, scientific computation, and applications to scientific and industrial topics. Prerequisites: MATH 3383 and MATH 3323, all with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4393. Introduction to Finite Element Methods.
This course introduces weak formulations of the partial differential equations and the finite element approximation of this weak form. Theory and computations are balanced. Topics include finite element methods for approximating solutions of partial differential equations and related properties. Emphasis topics are in civil engineering, applied mathematics, and related disciplines. Prerequisite: MATH 3376 or MATH 3377 and MATH 3383; each with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in Mathematics

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, a minor and six hours of 2000-level modern language courses. Most students will have to complete 1410 and 1420 as prerequisites before attempting 2310.
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
5. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

Course Requirements

				Freshman
First Semester	Hours		Second Semester	Hours
US 1100	1		MATH 2472	4
ENG 1310 (Communication Component Code 010)	3		ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3		HIST 1310 (American History Component Code 060)	3
COMM 1310 (Component Area Option Code 090/091)	3		Life & Physical Sciences Component Code 030	3
MATH 2471 (Mathematics Component Code 020)[1]	4		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Social & Behavioral Sciences Component Code 080	3			
	17			16

				Sophomore
First Semester	Hours		Second Semester	Hours
MATH 3373	3		ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
Minor	3		MATH Advanced Elective	3
Modern Language 1410	4		CS 1428	4
Life & Physical Sciences Component Code 030	4		Modern Language 1420	4
			ENG Literature (Component Area Option Code 090/094)	3
	14			17

				Junior
First Semester	Hours		Second Semester	Hours
MATH 3377	3		MATH 3380	3
MATH 3330	3		MATH Advanced Elective	3
Minor	3		Minor	3
Modern Language 2310	3		Modern Language 2320	3
HIST 1320 (American History Component Code 060)	3		POSI 2320 (Government/ Political Science Component Code 070)	3
	15			15

				Senior
First Semester	Hours		Second Semester	Hours
MATH 4330	3		MATH 4307	3
Minor	6		MATH 4315	3
BA ENG Literature	3		Minor	3
Elective	2		MATH Advanced Elective	3
	14			12

Total Hours: 120

[1] Even though MATH 2471 is the first required mathematics course, some students will need to take courses numbered below 2471. Credit examinations in MATH 1315, MATH 2417 and MATH 2471 are available.

MATH Advanced Electives

Code	Title	Hours
MATH 3305	Introduction to Probability and Statistics	3
MATH 3323	Differential Equations	3
MATH 3325	Number Systems	3
MATH 3348	Determinisitic Operations Research	3
MATH 3383	Numerical Analysis I	3
MATH 3398	Discrete Mathematics II	3
MATH 4305	Probability and Statistics	3
MATH 4306	Fourier Series and Boundary Value Problems	3
MATH 4336	Studies in Applied Mathematics	3
MATH 4337A	Topological Data Analysis	3
MATH 4337B	Research in Discrete Mathematics	3
MATH 4337C	Numerical Methods for Ordinary Differential Equations	3
MATH 4350	Introduction to Combinatorics	3
MATH 4382	The Literature and Modern History of Mathematics and Its Applications	3
MATH 4383	Numerical Analysis II	3

Bachelor of Science (B.S.) Major in Applied Mathematics

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. Nine semester credit hours must be writing intensive (WI).
5. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

				Freshman
First Semester	Hours		Second Semester	Hours
US 1100	1	MATH 2472		4
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)		3
POSI 2310 (Government/ Political Science Component Code 070)	3	HIST 1310 (American History Component Code 060)		3
COMM 1310 (Component Area Option Code 090/091)	3	Life & Physical Sciences Component Code 030 (PHYS 1430 is recommended.)		3
MATH 2471 (Mathematics Component Code 020)[1]	4	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)		3
Social & Behavioral Sciences Component Code 080	3			
	17			16

				Sophomore
First Semester	Hours		Second Semester	Hours
MATH 3373	3	MATH 3305		3
Minor	3	Minor		3
Life & Physical Sciences Component Code 030	4	CS 1428		4
MATH 2358	3	ENG Literature (Component Area Option Code 090/094)		3
		MATH 3323		3
	13			16

				Junior
First Semester	Hours		Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	MATH 3377		3
MATH 3330	3	MATH Advanced Elective		3
CS 2308	3	Minor		3
Minor	3	POSI 2320 (Government/ Political Science Component Code 070)		3
HIST 1320 (American History Component Code 060)	3	Free Electives		3
	15			15

				Senior
First Semester	Hours		Second Semester	Hours
MATH 3380	3	MATH Advanced Elective		3
MATH 3383	3	Minor		3
Minor	3	Free Electives		7
Free Electives	3			
ENG 3303	3			
	15			13

Total Hours: 120

[1] Even though MATH 2471 is the first required mathematics course, some students will need to take courses numbered below 2471. Credit examinations in MATH 1315, MATH 2417, and MATH 2471 are available.

MATH Advanced Electives

Code	Title	Hours
ENGR 3375	Mechanics for Engineers	3
MATH 3348	Determinisitic Operations Research	3
MATH 3398	Discrete Mathematics II	3
MATH 4305	Probability and Statistics	3
MATH 4306	Fourier Series and Boundary Value Problems	3
MATH 4307	Modern Algebra	3
MATH 4315	Analysis II	3
MATH 4336	Studies in Applied Mathematics	3
MATH 4337A	Topological Data Analysis	3
MATH 4337B	Research in Discrete Mathematics	3
MATH 4337C	Numerical Methods for Ordinary Differential Equations	3
MATH 4350	Introduction to Combinatorics	3
MATH 4383	Numerical Analysis II	3

Bachelor of Science (B.S.) Major in Mathematics

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors).
4. Nine semester credit hours must be writing intensive (WI).
5. Students pursuing this B.S. degree program are required to complete an additional 3 hours of English beyond the general education core curriculum. Students may select from the following English courses.

Code	Title	Hours
ENG 2310	British Literature before 1785	3
ENG 2320	British Literature since 1785	3
ENG 2330	World Literature before 1600	3
ENG 2340	World Literature since 1600	3
ENG 2359	US Literature before 1865	3
ENG 2360	US Literature since 1865	3
ENG 3303	Technical Writing	3

6. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

				Freshman
First Semester	Hours		Second Semester	Hours
US 1100	1		MATH 2472	4
ENG 1310 (Communication Component Code 010)	3		ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/ Political Science Component Code 070)	3		HIST 1310 (American History Component Code 060)	3
COMM 1310 (Component Area Option Code 090/091)	3		Life & Physical Sciences Component Code 030	3
MATH 2471 (Mathematics Component Code 020)[1]	4		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
Social & Behavioral Sciences Component Code 080	3			
	17			16

				Sophomore
First Semester	Hours		Second Semester	Hours
MATH 3373	3		MATH 3330	3
Minor	3		Minor	3
Life & Physical Sciences Component Code 030	4		CS 1428	4
Electives	3		ENG Literature (Component Area Option Code 090/094)	3
			MATH 3377	3
	13			16

				Junior
First Semester	Hours		Second Semester	Hours
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		MATH Advanced Electives	6
MATH 3380	3		Minor	3
Minor	3		POSI 2320 (Government/ Political Science Component Code 070)	3
HIST 1320 (American History Component Code 060)	3		Electives	3
Electives	3			
	15			15

				Senior
First Semester	Hours		Second Semester	Hours
MATH 4330	3		MATH 4307	3
MATH Advanced Elective	3		MATH 4315	3
Electives	4		Minor	6
ENG 3303 (or ENG Literature)	3		Elective	3
	13			15

Total Hours: 120

[1] Even though MATH 2471 is the first required mathematics course, some students will need to take courses numbered below 2471. Credit examinations in MATH 1315, MATH 2417 and MATH 2471 are available

MATH Advanced Electives

Code	Title	Hours
MATH 3305	Introduction to Probability and Statistics	3
MATH 3323	Differential Equations	3
MATH 3325	Number Systems	3
MATH 3348	Determinisitic Operations Research	3
MATH 3383	Numerical Analysis I	3
MATH 3398	Discrete Mathematics II	3
MATH 4305	Probability and Statistics	3
MATH 4306	Fourier Series and Boundary Value Problems	3
MATH 4336	Studies in Applied Mathematics	3
MATH 4337A	Topological Data Analysis	3
MATH 4337B	Research in Discrete Mathematics	3
MATH 4337C	Numerical Methods for Ordinary Differential Equations	3
MATH 4350	Introduction to Combinatorics	3

MATH 4382	The Literature and Modern History of Mathematics and Its Applications	3
MATH 4383	Numerical Analysis II	3

Bachelor of Science (B.S.) Major in Mathematics (Teacher Certification in Mathematics, Grades 7-12)

Minimum required: 120 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. A minor in Secondary Education is required.
3. In addition to the major, minor and general education core curriculum requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to EDST 4681.
4. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA, a major GPA of at least 2.50 with no grades less than a "C" in all major courses, a GPA of at least 2.50 in all assigned courses in the professional sequence with no grades less than a "C", and a Secondary Education minor GPA of at least 2.50 with no grades less than a "C" in all minor courses.
5. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. Nine semester credit hours must be writing intensive (WI).
7. If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
8. All students seeking teacher certification must apply for and be admitted to the Educator Preparation Program in order to enroll in education coursework and student teaching in the Junior and Senior years. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236).
9. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
US 1100	1	MATH 2472	4
ENG 1310 (Communica Component Code 010)	3	CS 1428	4
POSI 2310 (Government/ Political Science Component Code 070)	3	ENG 1320 (Communication Component Code 010)	3
MATH 2471 (Mathemati Component Code 020)[1]	4	HIST 1310 (American History Component Code 060)	3
Social & Behavioral Sciences Component Code 080	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	14		17

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
MATH 3330	3	MATH 3306	3	Summer I:	
MATH 3315	3	MATH 3377	3	HIST 1320 (American History Component Code 060)	3
Life & Physical Sciences Component Code 030	3-4	COMM 1310 (Component Area Option Code 090/091)	3	ENG Literature (Component Area Option Code 090/094)	3
Electives	4-5	Electives	3	Summer II:	
		Life & Physical Sciences Component Code 030	4	POSI 2320 (Government/ Political Science Component Code 070)	3
	13		16		9

Junior

First Semester	Hours	Second Semester	Hours
MATH 3380	3	MATH 4307	3
MATH 4311	3	MATH 4304	3

CI 4332	3	CI 3325	3
MATH Advanced Elective	3	MATH Advanced Elective	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	ENG 3303 (or ENG Literature)	3
	15		15

Senior

First Semester	Hours	Second Semester	Hours
CI 4370	3	EDST 4681	6
CI 4343	3		
RDG 3323	3		
Electives	6		
	15		6

Total Hours: 120

[1] Even though MATH 2471 is the first required mathematics course, some students will need to take courses numbered below 2471. Credit examinations in MATH 1315, MATH 2417 and MATH 2471 are available. Electives should be chosen in consultation with the academic advisor.

MATH Advanced Electives

Code	Title	Hours
MATH 2471	Calculus I	4
MATH 2472	Calculus II	4
MATH 3305	Introduction to Probability and Statistics	3
MATH 3315	Modern Geometry	3
MATH 3330	Introduction to Advanced Mathematics	3
MATH 3377	Linear Algebra	3
MATH 3380	Analysis I	3
MATH 4304	Capstone Mathematics for Secondary Teachers (of Mathematics)	3
MATH 4307	Modern Algebra	3
MATH 4311	Introduction to the History of Mathematics	3
Select six hours from the following:		6
MATH 3323	Differential Equations	
MATH 3325	Number Systems	
MATH 3373	Calculus III	
MATH 4305	Probability and Statistics	
MATH 4315	Analysis II	
MATH 4330	General Topology	
Total Hours		38

Minor in Applied Mathematics

The minor in Applied Mathematics requires 20 semester credit hours.

Code	Title	Hours
Required Courses		
MATH 2471	Calculus I	4
MATH 2472	Calculus II	4
Choose 12 hours from the following:		12
CS 3378	Theory of Automata [1]	
IE 3320	Engineering Statistics [1, 2]	
ENGR 3375	Mechanics for Engineers [1]	
MATH 3305	Introduction to Probability and Statistics [2]	
MATH 3323	Differential Equations	
MATH 3348	Determinisitic Operations Research	
MATH 3373	Calculus III	
MATH 3377	Linear Algebra [3]	
MATH 3383	Numerical Analysis I	
MATH 3398	Discrete Mathematics II	
MATH 4305	Probability and Statistics	
MATH 4306	Fourier Series and Boundary Value Problems	
MATH 4337A	Topological Data Analysis	
MATH 4337B	Research in Discrete Mathematics	
MATH 4337C	Numerical Methods for Ordinary Differential Equations	
MATH 4350	Introduction to Combinatorics	
MATH 4383	Numerical Analysis II	
PHYS 3320	Introduction to Mathematical Physics [1]	
Total Hours		20

[1] Students can take only one of: PHYS 3320, CS 3378, IE 3320, or ENGR 3375.

[2] Students may not receive credit for both MATH 3305 and IE 3320

Minor in Mathematics

The minor in Mathematics requires 20 semester credit hours.

Code	Title	Hours
Required Courses		
MATH 2471	Calculus I	4
MATH 2472	Calculus II	4
Choose 12 hours from the following:		12
MATH 3305	Introduction to Probability and Statistics	
MATH 3323	Differential Equations	
MATH 3325	Number Systems	
MATH 3330	Introduction to Advanced Mathematics	
MATH 3348	Determinisitic Operations Research	
MATH 3373	Calculus III	
MATH 3377	Linear Algebra	
MATH 3380	Analysis I	
MATH 3383	Numerical Analysis I	
MATH 3398	Discrete Mathematics II	
MATH 4305	Probability and Statistics	
MATH 4306	Fourier Series and Boundary Value Problems	
MATH 4307	Modern Algebra	
MATH 4337A	Topological Data Analysis	
MATH 4337B	Research in Discrete Mathematics	

MATH 4337C	Numerical Methods for Ordinary Differential Equations	
MATH 4350	Introduction to Combinatorics	
MATH 4383	Numerical Analysis II	
Total Hours		20

Second Teaching Field in Mathematics (Grades 7-12)

For students who are seeking a teacher certification within their major and would like a second teaching field in Mathematics, the requirements are:

Code	Title	Hours
MATH 2471	Calculus I	4
MATH 2472	Calculus II	4
MATH 3306	Introduction to Statistical Methods	3
MATH 3315	Modern Geometry	3
MATH 3330	Introduction to Advanced Mathematics	3
MATH 3377	Linear Algebra	3
MATH 3380	Analysis I	3
MATH 4304	Capstone Mathematics for Secondary Teachers (of Mathematics)	3
MATH 4307	Modern Algebra	3
Total Hours		29

All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Department of Physics

Roy F. Mitte Building Room 3240
T: 512.245.2131 F: 512.245.8233
www.txstate.edu/physics/ (http://www.txstate.edu/physics)

Physics, the study of matter and energy, is at the root of every field of natural science and underlies all physical phenomena. The problem-solving skills learned in the study of physics are valuable even if one's career is not in a physics-related field.

The B.S. with a major in Physics provides a rigorous background in physics as a preparation for graduate studies or a career in industry. The B.A. with a major in Physics is for students who want a background in physics but plan to pursue fields of interest other than physics as a life's work.

Career opportunities for a physics major exist in a wide variety of settings-from teaching in a classroom to basic research in an industrial or government laboratory, as a self-employed consultant, or as a member of a multidisciplinary research team.

Students who enter Texas State needing mathematics at a level below MATH 2417 are urged to attend a summer session to avoid any delay in starting their physics courses.

For more information contact the College of Science and Engineering Advising Center or the departmental advisor for the Department of Physics. For information on engineering technology, electrical engineering, industrial engineering, and manufacturing engineering see the Ingram School of Engineering and Department of Engineering Technology sections of this catalog.

Teacher Certification

Students should visit the catalog program page if interested in seeking a certification in Physical Science (Texas Grades 6-12) (p. 700) or Physics/Mathematics (Texas Grades 7-12) (p. 702). Initial or additional certification may also be acquired as a post-baccalaureate or graduate student. Students interested in certification are strongly encouraged to see the Science Advisor early in their undergraduate program or certification process.

Bachelor of Arts (B.A.)

- Major in Physics (p. 698)

Bachelor of Science (B.S.)

- Major in Physics (p. 699)
- Major in Physics (Teacher Certification in Physical Science, Grades 6-12) (p. 700)
- Major in Physics (Teacher Certification in Physics/Mathematics, Grades 7-12) (p. 702)

Minor

- Physics

Courses in Physics (PHYS)

PHYS 1110. Elementary Physics Laboratory.
This course explores and illustrates some of the basic principles covered in PHYS 1310 and PHYS 1320. Corequisite: PHYS 1310 or PHYS 1320 either with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHYS 1105

PHYS 1115. General Physics I Laboratory.
First of two laboratory courses in General Physics for science-related majors. Course introduces students to the basics of measurement. Topics cover mechanics and heat. Corequisite: PHYS 1315 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHYS 1101

PHYS 1125. General Physics II Laboratory.
Second of two laboratory courses in general Physics. Course introduces the students to experimental measurements and demonstration of principles of electricity, magnetism, optics, modern physics, electromagnetic waves.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHYS 1102

PHYS 1140. Introductory Laboratory in Astronomy.
An introduction to the constellations, the uses of telescopes, and other material relating to the study of stars and planets. This course is designed to be taken with PHYS 1340 or PHYS 1350 or those students desiring a laboratory course.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 1111

PHYS 1310. Elementary Physics.
A non-mathematical survey of mechanics, properties of matter, heat and sound. These topics are described in a conceptual way with applications relating to the world around us. The laboratory experience may be obtained in a separate one-hour credit lab (PHYS 1110). PHYS 1310 and PHYS 1320 are designed for the liberal arts student. The order in which they are taken is not important. They are not recommended for pre-engineering students or majors and minors in science. The laboratory experience is recommended with the second course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1305

PHYS 1315. General Physics I.
The first course in a two semester sequence which is a survey of the basic laws and principles of physics and includes the topics of mechanics and heat. Designed for students whose program requires technical physics, but who are not pre-engineering students or majors or minors in physics. Credit for both (PHYS 1315 and PHYS 1115) and PHYS 1430 cannot be given. Prerequisite: MATH 1315 with a grade of "C" or better. Corequisite: PHYS 1115.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Co-requisite(s): PHYS 1115
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1301

PHYS 1320. Elementary Physics.
A non-mathematical survey of electricity, magnetism, light, relativity, and atomic and nuclear physics. These topics are described in a conceptual way with applications relating to the world around us. The laboratory experience may be obtained in a separate one-hour credit lab (PHYS 1110). PHYS 1310 and PHYS 1320 are designed for the liberal arts student. The order in which they are taken is not important. They are not recommended for pre-engineering students or majors and minors in science. The laboratory experience is recommended with the second course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 1307

PHYS 1325. General Physics II.
Second course in a two semester sequence which is a survey of the basic laws and principles of physics and includes the topics of waves, light, electricity and magnetism. Designed for students whose program requires technical physics, but who are not pre-engineering students or majors or minors in physics. Prerequisite: PHYS 1315 and [MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Co-requisite(s): PHYS 1125
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1302

PHYS 1340. Astronomy: Solar System.
A study of the solar system. Topics included are a study of the sun, the planets and their satellites, the comets, and other components of the solar system. Some aspects of telescopes and ancient astronomy will be included also.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: ASTR 1304

PHYS 1350. Astronomy: Stars and Galaxies.
A study of the universe beyond the solar system. Topics included are a study of the stars and star clusters, nebulae, galaxies, and an introduction to some aspects of cosmology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: ASTR 1303

PHYS 1360. Development of Concepts in Physics I.
This studio-style course introduces physics concepts through active exploration and discussion of physical phenomena. Course content includes developing concepts of electricity, magnetism, and energy, and research on physics learning. Focus is on how physics helps make sense of everyday experience. It's the first in a sequence of two courses.
3 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1305

PHYS 1370. Development of Concepts in Physics II.
This studio-style course introduces physics concepts through active exploration and discussion of physical phenomena. Course content includes concepts of force, motion, waves, light, and matter, and research on physics learning. Focus is on how physics helps make sense of everyday experience. It's the second in a sequence of two courses. Prerequisite: PHYS 1360 with a grade of "D" or better.
3 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1307

PHYS 1430. Mechanics.
This course covers the principles of classical mechanics through problem solving and laboratory investigations. PHYS 1430, PHYS 2425, and PHYS 2435 are designed for students majoring and minoring in physics and/or other disciplines within the college of science and engineering. Credit for both (PHYS 1315 and PHYS 1115) and PHYS 1430 cannot be given. Corequisite: MATH 2471 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 2425

PHYS 2150. Professional Development for Beginning Physicists.
This course introduces to physics majors career options and opportunities for internships, scholarships, and research internal and external to the university. The course also develops essential practical skills for job seekers. Prerequisite: PHYS 2425 and PHYS 2435 both with grades of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 2230. Introduction to Computational Modeling for Physics.
This course is an introduction to computational concepts and tools that physicists use for data analysis, simulation and modeling, and visualization in research and dissemination. Python and its various libraries are emphasized. Prerequisite: PHYS 1430 with a grade of "D" or better. Corequisite: PHYS 2425 or PHYS 2435 either with a grade of "C" or better.
2 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 2425. Electricity and Magnetism.
This course is a calculus-based introduction to electricity and magnetism. Prerequisites: PHYS 1430 and [MATH 2472 or MATH 2473] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Component Area Core 090|Life & Phys Sciences CAO 093|Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 2426

PHYS 2435. Waves and Heat.
This course is a study of the fields of wave motion, sound, light, and heat at a beginning level for physics majors and minors. Prerequisites: MATH 2471 and PHYS 1430 both with grades of "C" or better. Corequisite: MATH 2472 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 2427

PHYS 3210. Physics Cognition and Pedagogy.
This course is an introduction to physics-specific pedagogy and the methods and results of physics education research (PER). Students will investigate relevant literature in PER and cognitive science, engage in discussions about physics teaching and learning, and reflect on their own teaching practice in the role of Physics Learning Assistants. (WI).
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHYS 3301. Musical Acoustics.
A survey of the physics of sound and acoustic measurement. Special emphasis will be placed on sound production, propagation, and perception as applied to music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3311. Mechanics I.
This course discusses the fundamentals of classical mechanics focusing on the physical description of the behavior of single and multiple particle systems. Topics included are advanced problem solving strategies for systems with position and velocity dependent forces, simple harmonic oscillators, and non-inertial reference frames. Prerequisite: PHYS 2435 with a grade of "C" or better. Corequisite: PHYS 3320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3312. Modern Physics.
This course is an introduction to the foundations of modern physics, including the following topics: relativistic mechanics, foundational experiments in the development of quantum mechanics, light and energy, wave nature of particles, and nuclear physics. Prerequisite: PHYS 2435 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3313. Astrophysics.
This course surveys a variety of issues in astrophysics through problem solving, quantitative measurements, and theoretical reasoning. Topics include celestial mechanics, stellar dynamics and evolution, galaxy evolution, and cosmology. Corequisite: PHYS 3312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3315. Thermodynamics.
This course is a fundamental study of thermodynamics and statistical mechanics. Prerequisite: MATH 3323 and [PHYS 2435 or (PHYS 1125 and PHYS 1325) or (ENGR 2300 and PHYS 2425)] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3320. Introduction to Mathematical Physics.
This course is an introduction to the mathematical methods of theoretical physics with emphasis on development of mathematical tools used in upper division core physics courses. Students will also develop their ability to communicate mathematical ideas in the context of physics. Prerequisite: MATH 3373 and PHYS 2425 both with grades of "C" or better. Corequisite: MATH 3323 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3411. Advanced Physics Laboratory.
This course is an introduction to experimental modern physics, with emphasis on the design and assembly of physics apparatus and the development of practical skills for controlling and automating data collection. (WI) Prerequisites: PHYS 2425 with a grade of "C" or better. Corequisites: PHYS 2435 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

PHYS 3416. Applied Electronics.
This Laboratory/lecture course is an introduction to electronic test bench methods for the construction, operation and analysis of important DC/AC circuits utilizing resistors, capacitors, diodes, BJTs, FETs, and OpAmps. The behavior of the circuits will be modeled in SPICE. Elementary semiconductor device physics and microfabrication methods will be discussed. (WI) Prerequisites: PHYS 2425 and PHYS 2435 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHYS 3417. Optics.
This course is a one-semester survey of geometrical and physical optics accompanied by laboratory experience. Topics covered include electromagnetic waves and their propagation, geometrical optics, polarization, interference, diffraction, Fourier optics, and holography. (WI) Prerequisites: PHYS 2425 and PHYS 2435 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHYS 3418. Methods in Observational Astrophysics.
This course is an introduction to methods and instrumentation used in observational astrophysics. Topics include image processing, data acquisition and analysis, and detectors for data across the electromagnetic spectrum. Prerequisite: PHYS 2425 and PHYS 2435 both with grades "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHYS 4121. Undergraduate Research.
This course represents a student's research project in physics to be carried out under the supervision of a faculty member. The student must contact a faculty member in advance to arrange the topic and specific course objectives. This course may be repeated for credit. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 4150A. Physics Cognition and Pedagogy Lab.
In this lab course, students will apply principles introduced in PHYS 3210, which include observation of student interactions, reflection on the process of learning and the use of evidence based reasoning, metacognition, and facilitation, of discourse around difficult concepts. Prerequisite: PHYS 1430 with grade of "C" or better or instructor approval. Corequisite: PHYS 3210 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 4150B. Computational Modeling Lab: Mechanics.
This lab provides experience in computational modeling of problems in classical mechanics. Students design and code computer programs to simulate physical dynamics and analyze data. Corequisite: PHYS 3311 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 4221. Undergraduate Research.
This course represents a student's research project in physics to be carried out under the supervision of a faculty member. The student must contact a faculty member in advance to arrange the topic and specific course objectives. This course may be repeated for credit. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 4305. Statistical Physics.
Statistical physics is the study of energy flow and energy distributions within systems in equilibrium. Students will explore a range of phenomena including black-body radiation, diffusion, phase transitions, and magnetism. Emphasis will be placed on topics of entropy, probability, free energy, Boltzmann distributions, and the atomic behavior of these systems. Prerequisite: MATH 3323 and PHYS 3312 and PHYS 3320 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4310. Electromagnetic Field Theory I.
An introduction to the electromagnetic field theory of classical physics for static fields. Topics included will be the electrostatic field, polarization and dielectrics, electrostatic energy, magnetic field of steady currents, magneto static energy, and magnetic properties of matter. Prerequisite: MATH 3323 and MATH 3373 and PHYS 3320 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4311. Condensed Matter Physics.
Application of physics principles to solid materials. Topics include crystal structure and the reciprocal lattice, including x-ray diffraction, crystal binding and elastic properties, lattice vibrations, energy bands, semiconductors and metals. Prerequisite: PHYS 3312 and PHYS 3320 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4312. Quantum Mechanics I.
This course introduces students to quantum mechanics. Topics include mathematical foundations, fundamental postulates, time development, and one dimensional problems. Prerequisite: PHYS 3312 PHYS 3320 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4315. Electromagnetic Field Theory II.
An introduction to the electromagnetic field theory of classical physics for time varying fields. Topics included will be electromagnetic induction, time varying electric and magnetic fields, Maxwell's equations, electromagnetic energy, electromagnetic waves and radiation, and a brief introduction to some specialized topics. Prerequisite: PHYS 4310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4320. Selected Study in Physics.
Topics are chosen in theoretical and experimental areas of current interest in physics with specific topic to be discussed agreed upon prior to registration. May be repeated once with different emphasis and professor for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 4321. Undergraduate Research.
A research project in physics to be carried out under the supervision of a faculty member by upper division physics majors. Student must contact a faculty member in advance to arrange topic and specific course objective. Course may be repeated only as an elective towards the BS or BA in physics. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 4350B. Relativity.
This course includes a review of Special Relativity, an introduction to the mathematics of tensor calculus and differential geometry, and such topics from General Relativity as the Schwarzschild solution and black holes, tests of General Relativity, cosmological models, and applications of relativity in the Global Positioning System (GPS). Prerequisite: PHYS 2425 and PHYS 2435 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 4350D. Biophysics.
This course applies the principles of physics to the study of living organisms. An emphasis will be placed on the topics of structure, fluids, diffusion, entropy, stochastic processes, and probabilities, and on scientific modes of thinking including modeling, estimation, and data analysis. Prerequisite: PHYS 2425 and PHYS 2435 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 4360. Physics Cognition and Pedagogy II.
This course addresses historical, philosophical, and cognitive perspectives on the learning, teaching, and discovery of physics, including results from contemporary research on learning. It is recommended for students pursuing teacher certification. Prerequisite: PHYS 3210 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

Bachelor of Arts (B.A.) Major in Physics

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. In addition to the general education core curriculum requirements, the Bachelor of Arts degree (p. 68) (B.A.) requires three additional hours of English literature, three hours of math/science/logic/computer science courses, a minor and six hours of 2000-level modern language courses. Most students will have to complete 1410 and 1420 as prerequisites before attempting 2310.
3. Nine hours of writing intensive (WI) courses are required for graduation.
4. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). Students should consult the department advisor or the College of Science and Engineering Advising Center before choosing a minor.
5. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours. Students should consult the department advisor or the College of Science and Engineering Advising Center before choosing the electives.

Course Requirements

Freshman			
First Semester	Hours	Second Semester	Hours
MATH 2471 (Mathematics Component Code 020)	4	PHYS 2435	4
US 1100	1	MATH 2472	4
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
PHYS 1430 (Life & Physical Sciences Component Code 030)	4	HIST 1320 (American History Component Code 060)	3
HIST 1310 (American History Component Code 060)	3		
	15		14

Sophomore			
First Semester	Hours	Second Semester	Hours
PHYS 2425 (Component Area Option Code 090/093)	4	POSI 2310 (Government/ Political Science Component Code 070)	3
CHEM 1141[1]	1	PHYS 2230	2
CHEM 1335 (Life & Physical Sciences Component Code 030)[1]	3	PHYS 2150	1
MATH 3373	3	Modern Language 1410	4
Social & Behavioral Sciences Component Code 080	3	PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
	14		13

Junior			
First Semester	Hours	Second Semester	Hours
PHYS 3312	3	PHYS 3320	3
MATH 3373	3	PHYS Upper Division Lab[2]	4
Modern Language 1420	4	MATH 3323	3
Electives/Minor	3	Modern Language 2310	3
COMM 1310 (or ENG Literature Component Area Option Code 090)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
	16		16

Senior			
First Semester	Hours	Second Semester	Hours
PHYS Upper Division Lab[2]	4	PHYS Electives	10
Minor	3	Electives/Minor	6
Modern Language 2320	3		
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3		
BA ENG Literature	3		
	16		16

Total Hours: 120

[1] BIO 1330/BIO 1130 or BIO 1331/BIO 1131 may be taken instead of CHEM 1335/CHEM 1141.

[2] Upper division laboratory courses: PHYS 3411, PHYS 3416, PHYS 3417, PHYS 3418.

[3] The Physics Faculty Undergraduate Advisor invites students to propose substituting PHYS 4321 for one required advanced course.

PHYS Electives

Code	Title	Hours
PHYS 3210	Physics Cognition and Pedagogy	2
PHYS 3311	Mechanics I	3
PHYS 3313	Astrophysics	3
PHYS 3411	Advanced Physics Laboratory	4
PHYS 3416	Applied Electronics	4
PHYS 3417	Optics	4
PHYS 3418	Methods in Observational Astrophysics	4
PHYS 4121	Undergraduate Research	1
PHYS 4221	Undergraduate Research	2
PHYS 4305	Statistical Physics	3
PHYS 4310	Electromagnetic Field Theory I	3
PHYS 4311	Condensed Matter Physics	3
PHYS 4312	Quantum Mechanics I	3
PHYS 4315	Electromagnetic Field Theory II	3
PHYS 4320	Selected Study in Physics	3
PHYS 4321	Undergraduate Research (Students may request to substitute PHYS 4321 for one of the required advanced PHYS courses.)	3
PHYS 4350B	Relativity	3
PHYS 4350D	Biophysics	3
PHYS 4360	Physics Cognition and Pedagogy II	3
Or courses approved by the department advisor		

Bachelor of Science (B.S.) Major in Physics

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Majors must select a minor from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors). The recommended minor is Mathematics. The minor should be chosen in consultation with the academic advisor.
4. Nine semester credit hours must be writing intensive (WI).
5. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

Course Requirements

Freshman			
First Semester	Hours	Second Semester	Hours
MATH 2471 (Mathematics Component Code 020)	4	PHYS 2435	4
US 1100	1	MATH 2472	4
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
PHYS 1430 (Life & Physical Sciences Component Code 030)	4	HIST 1310 (American History Component Code 060)	3
Social & Behavioral Sciences Component Code 080	3		
	15		14

Sophomore			
First Semester	Hours	Second Semester	Hours
PHYS 2425 (Component Area Option Code 090/093)	4	POSI 2310 (Government/ Political Science Component Code 070)	3
MATH 3373	3	MATH 3323	3
CHEM 1141[1]	1	PHYS 2150	1
CHEM 1335 (Life & Physical Sciences Component Code 030)[1]	3	PHYS 3312	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	Minor	3
PHYS 2230	2	COMM 1310 (or ENG Literature Component Area Option Code 090)	3
	16		16

Junior			
First Semester	Hours	Second Semester	Hours
PHYS 3320	3	PHYS 4305	3
PHYS 3311	3	PHYS Upper Division Lab[2]	4
HIST 1320 (American History Component Code 060)	3	Electives/Minor	6
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	POSI 2320 (Government/ Political Science Component Code 070)	3
Electives/Minor	3		
	15		16

Senior			
First Semester	Hours	Second Semester	Hours
PHYS 4310	3	PHYS Electives	10
PHYS Upper Division Lab[2]	4	Electives/Minor	4
Electives/Minor	4		
PHYS 4312	3		
	14		14

Total Hours: 120

[1] BIO 1330/BIO 1130 or BIO 1331/BIO 1131 may be taken instead of CHEM 1335/CHEM 1141.

[2] Upper Division Labs: PHYS 3411, PHYS 3416, PHYS 3417, PHYS 3418

PHYS Electives

Code	Title	Hours
PHYS 3210	Physics Cognition and Pedagogy	2
PHYS 3313	Astrophysics	3
PHYS 3411	Advanced Physics Laboratory	4
PHYS 3416	Applied Electronics	4
PHYS 3417	Optics	4
PHYS 3418	Methods in Observational Astrophysics	4
PHYS 4121	Undergraduate Research	1
PHYS 4221	Undergraduate Research	2
PHYS 4311	Condensed Matter Physics	3
PHYS 4320	Selected Study in Physics	3
PHYS 4321	Undergraduate Research (see dept.)	3
PHYS 4350B	Relativity	3
PHYS 4350D	Biophysics	3
PHYS 4360	Physics Cognition and Pedagogy II	3

Or courses approved by the department advisor

Bachelor of Science (B.S.) Major in Physics (Teacher Certification in Physical Science, Grades 6-12)

Minimum Required: 125-127 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. A minor in Secondary Education is required.
3. In addition to the major, minor and general education core curriculum requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to enrolling in EDST 4681.
4. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA, a major GPA of at least 2.50 with no grades less than a “C” in all major courses, a GPA of at least 2.50 in all assigned courses in the professional sequence with no grades less than a “C”, and a Secondary Education minor GPA of at least 2.50 with no grades less than a “C” in all minor courses.
5. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. Nine semester credit hours must be writing intensive (WI).
7. If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree.

In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

8. All students seeking teacher certification must apply for and be admitted to the Educator Preparation Program in order to enroll in education coursework and student teaching in the Junior and Senior years. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236).
9. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
PHYS 1430	4	PHYS 2435	4
MATH 2471 (Mathematic Component Code 020)	4	MATH 2472	4
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communica Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
Social & Behavioral Sciences Component 080	3	PHYS 2230	2
	15		16

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
PHYS 2425 (Component Area Option Code 090/093)	4	PHYS 3320	3	Summer I:	
MATH 3373	3	MATH 3323	3	HIST 1320 (American History Component Code 060)	3
CHEM 1141	1	CHEM 1142	1	POSI 2310 (Government/ Political Science Component Code 070)	3
CHEM 1341 (Life & Physical Sciences Component Code 030)	3	CHEM 1342 (Life & Physical Sciences Component Code 030)	3	Summer II:	
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	PHYS 2150	1	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
PHYS 3210	2	COMM 1310 (Component Area Option Code 090/091)	3	POSI 2320 (Governmen Political Science Component Code 070)	3
	16		14		12

Junior

First Semester	Hours	Second Semester	Hours	Summer	Hours
PHYS 4310	3	PHYS 3311	3	CHEM 3410	4
PHYS Upper Division Lab or PHYS 3312[1]	3-4	PHYS Upper Division Lab or PHYS 3312[1]	3-4		
CI 3325	3	CI 4332	3		
CHEM 2130	1	PHYS 4360	3		
CHEM 2330	3	CHEM 2350	3		
	13-14		15-16		4

Senior

First Semester	Hours	Second Semester	Hours
PHYS 4312	3	EDST 4681	6
RDG 3323	3		
CI 4343	3		
CI 4370	3		
CHEM 4295	2		
	14		6

Total Hours: 125-127

[1] Upper Division Labs: PHYS 3411, PHYS 3416, PHYS 3417, PHYS 3418

[2] The Physics Faculty Undergraduate Advisor invites students to propose substituting PHYS 4321 for one required advanced course.

Bachelor of Science (B.S.) Major in Physics (Teacher Certification in Physics/Mathematics, Grades 7-12)

Minimum Required: 123-125 semester credit hours

Admission Requirement

1. All students pursuing teacher certification must apply and be accepted to the Office of Educator Preparation (p. 236).

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. A minor in Secondary Education is required.
3. In addition to the major, minor and general education core curriculum requirements, students must also complete 21 hours of professional sequence courses under the College of Education. All coursework must be completed prior to enrolling in EDST 4681.
4. To satisfy graduation requirements for teacher certification, students must have at least a 2.75 Overall GPA, a major GPA of at least 2.50 with no grades less than a "C" in all major courses, a GPA of at least 2.50 in all assigned courses in the professional sequence with no grades less than a "C", and a Secondary Education minor GPA of at least 2.50 with no grades less than a "C" in all minor courses.
5. Majors must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
6. Nine semester credit hours must be writing intensive (WI).
7. If two years of the same foreign language were taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
8. All students seeking teacher certification must apply for and be admitted to the Educator Preparation Program in order to enroll in education coursework and student teaching in the Junior and Senior years. Refer to the requirements for Admittance to the Educator Preparation Program through the Office of Educator Preparation (p. 236).
9. The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Course Requirements

Freshman

First Semester	Hours	Second Semester	Hours
PHYS 1430	4	PHYS 2435	4
MATH 2471 (Mathematic Component Code 020)	4	MATH 2472	4
US 1100	1	ENG 1320 (Communication Component Code 010)	3
ENG 1310 (Communica Component Code 010)	3	HIST 1310 (American History Component Code 060)	3
Social & Behavioral Sciences Component Code 080	3	PHYS 2230	2
	15		16

Sophomore

First Semester	Hours	Second Semester	Hours	Summer	Hours
PHYS 2425 (Component Area Option Code 090/093)	4	PHYS 3320	3	Summer I:	
MATH 3373	3	MATH 3323	3	HIST 1320 (American History Component Code 060)	3
CHEM 1141	1	PHYS 3312	3	POSI 2310 (Government/ Political Science Component Code 070)	3
CHEM 1335 (Life & Physical Sciences Component Code 030)[1]	3	PHYS 2150	1	Summer II:	
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3	PHYS 3210	2	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3

		COMM 1310 (Component Area Option Code 090/091)	3	POSI 2320 (Government Political Science Component Code 070)	3
	14		15		12

First Semester	Hours	Second Semester	Hours	Summer	Junior Hours
PHYS 4310	3	PHYS 3311	3	MATH 3315	3
PHYS Upper Division Lab or PHYS elective[2]	3-4	PHYS Upper Division Lab or PHYS elective[2]	3-4	MATH 3330	3
CI 3325	3	CI 4332	3	MATH 4304	3
MATH 3305	3	PHYS 4360	3		
	12-13		12-13		9

First Semester	Hours	Second Semester	Hours	Senior
PHYS 4312	3	EDST 4681	6	
RDG 3323	3			
CI 4343	3			
CI 4370	3			
	12		6	

Total Hours: 123-125

1. BIO 1330/BIO 1130 or BIO 1331/BIO 1131 may be taken instead of CHEM 1335/CHEM 1141.
2. Upper Division Labs: PHYS 3411, PHYS 3416, PHYS 3417, PHYS 3418; Other PHYS electives: PHYS 3313, PHYS 4305, PHYS 4311, PHYS 4315
3. The Physics Faculty Undergraduate Advisor invites students to propose substituting PHYS 4321 for one required advanced course.

Minor in Physics

The minor in Physics requires 21 semester credit hours.

Code	Title	Hours
Required Courses		
PHYS 1430	Mechanics	4
PHYS 2230	Introduction to Computational Modeling for Physics	2
PHYS 2425	Electricity and Magnetism	4
PHYS 2435	Waves and Heat	4
PHYS 3312	Modern Physics	3
Choose 4 hours of advanced Physics courses		4
Total Hours		21

University College

Dean
Daniel A. Brown, Ph.D.

Telephone: 512-245-3579 Fax: 512-245-8765
Undergraduate Academic Center Room 149
www.txstate.edu/ucollege (http://www.txstate.edu/ucollege)

Associate Dean
Kambra K. Bolch, J.D.
Associate Dean
Michael E. Nava, Ph.D.
Assistant Dean
Lauren M. Hindson

Program Directors
Athletic Academic Center–Lauren M. Hindson
CHAMPS Life Skills–John Anderson M.Ed.
Common Experience–Twister Marquiss, M.F.A.
General Studies–Jeremy S. Roethler, Ph.D.
HSI STEM IMPACT–Sylvia Gonzales, M.Ed.
National Student Exchange–Lisa Chrans, M.A.
PACE Academic Coaching–Catarina Dominguez, M.A.
PACE Advising Services–Vacant
PACE Center–Daniel A. Brown, Ph.D.
PACE Peer Mentoring Services–Victoria Black, M.Ed.
Strategic Initiatives–Nicholas "Nick" E. Weimer, M.B.A., M.P.A.
Student Success Initiatives–April S. Barnes, M.Ed.
University College Advising Center–Amelia I. Beck, M.A.
University Seminar–Kambra K. Bolch, J.D.

Academic Advising Centers

PACE Center
Undergraduate Academic Center Room 120
Telephone: 512-245-7223 Fax: 512-245-8765
http://pace.txstate.edu/

University College Advising Center
Undergraduate Academic Center Room 120
Telephone: 512-245-2218 Fax: 512-245-8765
www.ucollege.txstate.edu/advising/ (http://www.ucollege.txstate.edu/advising)

University College houses two academic advising centers, the PACE Center and University College Advising Center (UCAC). The PACE Center serves first-time-in-college students with fewer than 16 college credit hours completed after high school graduation, and UCAC serves Exploratory, Exploratory Professional, and Bachelor of General Studies majors.

At Texas State, first-time-in-college students begin their educational journey at the PACE Center—the University's commitment to Personalized Academic and Career Exploration. It reflects a philosophy of enhancing student achievement within and outside the classroom through five student-centered programs:

1. Academic Coaching - helps students to take an active approach to learning and self-advocacy by utilizing intentional methods and developing essential critical and academic skills to improve overall success.
2. Academic Advising - helps students select the right classes, build a class schedule customized to meet their personal and academic needs, and develop a plan for educational success focused on graduation.

3. Career Counseling - helps students clarify career interests and develop the resume needed to successfully transition to the professional world.
4. Mentoring - helps students transition to university life, become part of the campus community, and connect with resources and services that support academic success.
5. University Seminar (US 1100) - this required course helps students transition to academic life at Texas State by identifying and developing practical learning skills and concepts, exploring and reflecting on academic and career opportunities, and connecting to university opportunities and resources.

University College Advising Center provides academic advising for students who are undecided about a major, those who are changing majors, those who are working toward admission into a particular program, and those majoring in General Studies. Advisors will assist students in researching options, evaluating alternatives, and making decisions so that they may make realistic and satisfying choices of majors. They will also provide guidance in completing general education requirements. The advising goal is to provide accessible, friendly, and accurate advising.

University College Advising Center and PACE Center are located on the first floor of the Undergraduate Academic Center and are open between 8:00 a.m. and 5:00 p.m., Monday through Friday. Services include one-on-one appointments, advising sessions before and during registration, and probation advising sessions.

Bachelor of General Studies

The Bachelor of General Studies (B.G.S.) provides an individualized, interdisciplinary degree that allows students with a broad range of academic interests to achieve personal educational goals. The program helps each student who enters develop a unique career or academic goal that is matched by three Texas State minors. Those best suited for the B.G.S. (1) have a clear interest that overlaps the boundaries or blends the disciplinary areas of other academic majors available at Texas State; (2) have invested in a traditional degree program but wish to redirect their career or academic goals while building on some of the courses already completed; or (3) have difficulty choosing an existing major and are willing to assemble three minors based on organized career research and preparation.

The B.G.S. includes GNST 4300 – Interdisciplinary Preparation, a course that helps students learn how to assess their talents, match them with potential careers, and maximize or choose three Texas State minors to best prepare them for the requirements of the career. Then they practice interviewing and preparing resumes, cover letters, etc., and discover how to market themselves. Following completion of most of the courses in the three B.G.S. minors, the capstone B.G.S. course (GNST 4350 – Interdisciplinary Project) challenges students to make use of their education in tailoring a research-based project that innovatively contributes to the career or academic goal, incorporates all three minors, and gives them good supporting material to use in job interviews and graduate and professional school applications.

Information about admission into the B.G.S. is available at www.txstate.edu/ucollege/bgs. (http://www.txstate.edu/ucollege/bgs.html)

As with any major, it is important to check with a University College advisor on a regular basis to ensure that progress is being made in meeting B.G.S. program requirements.

The following B.G.S. policies are particularly important to note:

- In order to be advised for the B.G.S. program, register for GNST 4300 or GNST 4350, or enter the B.G.S. program, students must be in good academic standing at Texas State University. Those who are not in good academic standing and/or have questions about potential majors may make an appointment with University College Exploratory advisors.
- Only B.G.S. majors may register for GNST 4300 and GNST 4350 and both courses must be successfully completed at Texas State in order to be applied to the B.G.S. degree. (Under some circumstances, students with Honors minors may be allowed to substitute HON 4390B-Honors Thesis if the topic meets the requirements of GNST 4350.)
- Both courses are offered each semester, including summer. They are not available online.
- Each B.G.S. minor requires at least 12 advanced hours, so B.G.S. minors may differ from the minors offered by the departments in that regard.
- Certain minor combinations may not be allowed if the coursework or content is duplicative. A course may be counted toward more than one minor only if it is specifically required by those minors.
- Both GNST 4300 and GNST 4350 as well as all courses that are part of the three B.G.S. minors must be completed with a grade of C or higher. In addition to a minimum Texas State GPA of 2.0, graduation with a B.G.S. degree requires a GPA of 2.25 in each B.G.S. minor.

Writing Intensive

Certain Texas State courses are designated as “writing intensive” and are labeled as (WI) in this catalog and the schedule of classes. In order to achieve this status, at least 65% of the course grade must be based on written assignments and a minimum of one extended piece of writing must be required. Academic colleges require a minimum of 9 credit hours of these courses for graduation. In addition to certain major and elective courses, the two history and two philosophy courses included in the general education core curriculum are writing intensive. These courses as well as other courses appropriate for writing intensive credit must be taken at Texas State. The University College Associate Dean manages Writing Intensive Courses.

Transfer Course Evaluation

Students transferring from other institutions of higher education will have their transcripts initially evaluated by the Undergraduate Admissions Office. Under the provisions of the Texas general education core curriculum, Texas State must accept courses that fulfill the core curriculum at other Texas public institutions (indicated by a 3-digit code on the transcript), and may not accept other courses unless they are equivalent to the required Texas State course. Students seeking evaluation of courses from out-of-state or private institutions for fulfillment of general education core curriculum components may contact University College to initiate the process. Students should be prepared to provide documentation such as catalog descriptions, course syllabi and textbook information to facilitate verification of course content. Students seeking evaluation of coursework for application to a major or minor requirement should contact their college advising center for information about the process for evaluation by department faculty.

National Student Exchange

The National Student Exchange (NSE) is a study away program administered by University College that offers Texas State students a unique opportunity to expand their educational horizons by enrolling at a participating university for one or two semesters while paying an in-state resident tuition rate. Students can benefit from the NSE program by accessing courses, internships, field experiences, and exploring graduate schools at over 160 colleges and universities in the United States, U.S. territories (including Guam, Puerto Rico, and the U.S. Virgin Islands), and Canada.

Credits earned at these host institutions can be transferred back to Texas State, allowing students to maintain progress toward their academic objectives. For the privilege of NSE participation, Texas State students can pay in-state tuition and fees directly to their host institution or pay Texas State for 15 credit hours of coursework.

Applications for the first round of NSE placements are due in February for fall and spring exchanges, though placements can be made throughout the year. Requirements of the program include a minimum 2.5 Texas State GPA, plus a completed online application with a $200 application fee. For more information about the National Student Exchange, contact University College or visit www.txstate.edu/ucollege/programs/nse (http://www.txstate.edu/ucollege/programs/nse).

Bachelor of General Studies (B.G.S.)

- Major in General Studies (p. 705)

Courses in General Studies (GNST)

GNST 4300. Interdisciplinary Preparation.
This course includes a variety of activities and written assignments designed to encourage self-analysis of intellectual/career interests and career planning. Students will develop an interdisciplinary career plan incorporating three formal minors that lead to a Bachelor of General Studies degree. Prerequisite: A minimum 2.0 Texas State GPA and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GNST 4350. Interdisciplinary Project.
Students will design and complete an interdisciplinary capstone project incorporating their three selected BGS minors. The project components will include a project proposal, substantial research, and a final applied project directed toward a specific audience. Presentations of some or all of the components of the completed project are required. Prerequisite: A minimum 2.0 Texas State GPA and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

Bachelor of General Studies (B.G.S.) Major in General Studies

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (p. 63) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. Nine semester credit hours must be writing intensive (WI).
4. If two years of the same foreign language were taken in high school, then enough additional hours to total the minimum 120 hours required for the degree will fulfill this requirement. In the absence of such high school language, two semesters of the same foreign language must be taken at the college level.

Course Requirements

Freshman	Hours
COMM 1310 (Component Area Option Code 090/091)	3
Social & Behavioral Sciences Component Code 080	3
Mathematics Component Code 020	3
ENG 1310 (Communication Component Code 010)	3
ENG 1320 (Communication Component Code 010)	3
US 1100[1]	1
POSI 2310 (Government/Political Science Component Code 070)	3
HIST 1310 (American History Component Code 060)	3
PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
POSI 2320 (Government/Political Science Component Code 070)	3
	31

Sophomore	Hours
ENG Literature (Component Area Option Code 090/094)	3
HIST 1320 (American History Component Code 060)	3
Life & Physical Sciences Component Code 030	6
Minor	15

Electives	3
	30
Junior	**Hours**
GNST 4300	3
Electives	9
Minor	18
	30
Senior	**Hours**
GNST 4350	3
Electives	5
Minor	21
	29

Total Hours: 120

[1] US 1100 is only required for PACE students.

University Seminar

Undergraduate Academic Center Room 146
T: 512.245.7952 F: 512.245.7908
www.txstate.edu/ucollege/universityseminar (http://www.txstate.edu/ucollege/universityseminar)

University Seminar (US 1100) helps incoming freshmen transition to college life and is designed to be taken during a student's first semester at Texas State. Its small class setting allows students to get to know each other as well as their instructor. Classes meet once a week for 16 weeks during the fall semester.

US 1100 connects new students to the campus and its resources, gets them involved in the university community, and supports PACE initiatives through related instruction, activities, and guidance. Through US 1100 career readiness projects, students learn about individual career interests, find organizations and activities related to their academic fields, and develop a plan that will lead to graduation and professional success.

The course is taught by a diverse group of professors, staff members, and administrators from departments across the Texas State campus. All instructors have at least a master's degree and lend their unique and varied perspectives to enrich each classroom. Distinct sections of the course may serve freshmen with common interests. These are labeled in the Schedule of Classes.

University seminar also offers US 2100, Introduction to Research and Discovery, a discipline-related overview of research procedures for first- and second-year students. Students who complete the course will gain a greater understanding of research opportunities and develop academic and professional skills that will prepare them for an undergraduate research experience.

Subjects in this department include: US

Course in University Seminar (US)

US 1100. University Seminar.
University Seminar is an introduction to the nature and aims of university education, with special emphasis on the value of broad learning. US 1100 is required of all undergraduate students entering the university with 0-15 semester credit hours completed since high school graduation.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

US 2100. Introduction to Research and Discovery.
This course provides a discipline-related overview of research procedures for first and second year students, including primary literature, data collection, and the scientific method. Students will complete the course with a greater awareness of research opportunities and develop academic and professional skills in preparation for immersion in undergraduate research.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Texas Success Initiative Program

Undergraduate Academic Center, First Floor
T: 512.245.3942 F: 512.245.7648
www.txstate.edu/tsip (http://www.txstate.edu/tsip)

The Texas Success Initiative Program (TSIP) is a statewide initiative created to improve student success in college-level coursework. As part of the program, all students enrolled in Texas public colleges or universities complete required assessments to determine math, reading, and writing proficiency. Developmental course instruction is provided to students needing to strengthen their basic academic skills. More information about this program, assessment requirements, and exemptions can be found in the Academic Policies section of the catalog under Texas Legislative Requirements.

Athletic Academic Center

Harris Hall 1st Floor
T: 512.245.2978
http://www.txstatebobcats.com

The Athletic Academic Center (AAC), located on the lower level of Harris Dining Hall, provides services and resources that aid student-athletes in maintaining excellence both in the classroom and on the playing field. The AAC staff strives to ensure the fulfillment of all five components of the program: academic excellence, athletic excellence, community service, career development, and personal development.

The AAC, open six days a week, houses a computer lab, a learning lab, individual tutoring rooms, areas for both individual and group study, and offices for the AAC staff. The AAC is staffed by an Assistant Dean and Director, an Associate Director, a Life Skills coordinator, three student development specialists, an administrative assistant and four graduate students who serve as liaisons between the Athletic Department, college academic advising centers and academic departments, and the administrative units of the University. In coordination with the Assistant Athletic Director for Compliance and the Athletic Certification Officer, the AAC staff also monitors academic eligibility and ensures that all athletes are maintaining satisfactory GPA and progress toward their degrees.

GRADUATE

Texas State will not discriminate against any person in employment or exclude any person from participating in or receiving the benefits of any of its activities or programs on any basis prohibited by law, including race, color, age, national origin, religion, sex, disability, veterans' status, or sexual orientation. Equal employment opportunities include: personnel transactions of recruitment, employment, training, upgrading, promotion, demotion, termination, and salary.

The information in the 2019-2020 Graduate Catalog is subject to change without notice and may not reflect the most recent changes. This catalog is a general information publication only. It is not intended to, nor does it contain, all regulations that relate to students. In the event of a conflict between the provisions of this catalog and the *Rules and Regulations* of the Board of Regents of the Texas State University System, the latter shall prevail. The provisions of this catalog do not constitute a contract, express or implied, between an applicant, a student, a faculty member, or a staff employee and Texas State University or the Texas State University System. Texas State reserves the right to withdraw courses at any time, to change fees or tuition, calendar, curriculum, degree requirements, admissions and graduation requirements or procedures, and other requirements affecting students. Changes will become effective whenever authorities determine and will apply to both prospective students and those already enrolled. Questions regarding current information should be addressed to the office of the Provost and Vice President for Academic Affairs.

This catalog was published in May 2019 and becomes effective with the beginning of the fall semester, 2019.

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Chrome or Firefox.

General Information

University Organization

Texas State University is organized into the College of Applied Arts, the Emmett and Miriam McCoy College of Business Administration, the College of Education, the College of Fine Arts and Communication, the College of Health Professions, the College of Liberal Arts, the College of Science and Engineering, Honors College, University College, and The Graduate College.

Overview of Graduate Studies

Authorization

The establishment of The Graduate College at Texas State was authorized by the Board of Regents at its meeting on June 15, 1935. Graduate courses were first offered during the summer of 1936, and the first master of arts degree was conferred at the 1937 spring commencement. The first doctoral programs were authorized by the Board of Regents in 1996 in geographic education and environmental geography. The first doctorates were awarded in 2000.

Objectives of The Graduate College

The purpose of The Graduate College is to provide the means for continued intellectual growth through advanced and specialized education. The ultimate aim is to develop leaders who will make significant professional contributions to their fields of specialization.

More explicitly, The Graduate College has adopted the following objectives that will add both breadth and depth to the academic and professional preparation received at the undergraduate and master's degree levels:

- To reinforce and extend students' academic and professional experience as a means of improving professional competence;
- To afford students with the opportunity to undertake original research in their areas of specialization, both independently and in collaboration with the faculty;
- To provide students with the ability and resources to integrate their research into the community of scholars and professionals in a particular academic discipline;
- To challenge students intellectually, to develop their powers of independent thought, and to direct them toward positions of intellectual leadership in their personal and professional lives.

Characteristics of Graduate Study

Graduate study affords students of exceptional academic ability many opportunities to continue their intellectual growth and development. Doctoral study in particular seeks to integrate students into the professional community of scholars in a manner that emphasizes the completion, presentation, and publication of original research.

Graduate education differs from study at the undergraduate level in at least the following respects:

- Graduate students are expected to assume greater responsibility and demonstrate more self-initiative in meeting their academic goals;
- Graduate students are expected to engage in more extensive reading, emphasizing primary source material in a specialized field;
- Graduate students are expected to become familiar with the current literature in their fields, with emphasis on recently published developments in research methods and results;
- Doctoral students are expected to assume responsibility for the planning, completion, and presentation of original scholarly research;
- Doctoral programs utilize seminar courses that stress active participation by students in intellectual exchange with both faculty and peers and in the critique of published research;
- Doctoral course-work emphasizes integrating student research into the norms of an academic discipline; and:
- Master's courses differ from undergraduate courses, and doctoral courses differ from master's courses in their learning outcomes and in the breadth and depth of readings and assignments.

Board of Regents

The Texas State University System

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Denise M. Trauth, Ph.D., *President*

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College of Applied Arts

Denise T. Smart, Ph.D.
Emmett and Miriam McCoy College of Business Administration

Michael P. O'Malley, Ed.D.
College of Education

John Fleming, Ph.D.
College of Fine Arts and Communication

Andrea Golato, Ph.D.
The Graduate College

Ruth B. Welborn, Ph.D.
College of Health Professions

Heather C. Galloway, Ph.D.
Honors College

Mary C. Brennan, Ph.D.
College of Liberal Arts

Christine E. Hailey, Ph.D.
College of Science and Engineering

Daniel A. Brown, Ph.D.
University College and Director of the PACE Center

Accreditations

The following Council on Higher Education Accreditation (CHEA) and/or U.S. Department of Education (USDE)-recognized accrediting organizations accredit Texas State degree programs.

- ABET - Accreditation Board for Engineering and Technology
- Accreditation Council for Education in Nutrition and Dietetics Academy of Nutrition and Dietetics
- Accrediting Council on Education in Journalism and Mass Communications
- American Council for Construction Education
- American Physical Therapy Association, Commission on Accreditation in Physical Therapy Education
- Commission on Accreditation for Health Informatics and Information Management Education
- Commission on Accreditation for Respiratory Care
- Commission on Accreditation of Athletic Training Education
- Commission on Accreditation of Healthcare Management Education
- Commission on Collegiate Nursing Education
- Council for Accreditation of Counseling and Related Educational Programs
- Council for Interior Design Accreditation
- Council for the Accreditation of Educator Preparation
- Council of the Section of Legal Education and Admissions to the Bar, American Bar Association
- Council on Academic Accreditation in Audiology and Speech-Language Pathology American Speech-Language-Hearing Association
- Council on Social Work Education, Commission on Accreditation
- Joint Review Committee on Education in Radiologic Technology
- National Accrediting Agency for Clinical Laboratory Sciences
- National Association of Schools of Music, Commission on Accreditation
- National Recreation and Park Association, Council on Accreditation of Parks, Recreation, Tourism, and Related Professions
- Network of Schools of Public Policy, Affairs, and Administration Commission on Peer Review and Accreditation

The following organizations not recognized by either the Council on Higher Education Accreditation (CHEA) or the U.S. Department of Education (USDE) accredit or certify other Texas State degree programs.

- AACSB The Association to Advance Collegiate Schools of Business - International
- American Chemical Society
- American Society of Biochemistry and Molecular Biology
- Association of University Programs in Health Administration
- Foundry Education Foundation
- International School Psychology Association
- National Association of School Psychologists

- Teacher Education Accreditation Council
- Texas Certified Public Manager Program

The following Council on Higher Education (CHEA) and/or U.S. Department of Education (USDE) - Recognized accrediting organizations accredit Texas State academic support services.

- American Psychological Association Commission on Accreditation
- Commission on English Language Program Accreditation (CEA)

History of the University

Authorized by the Texas Legislature in 1899, Southwest Texas State Normal School opened its doors in 1903. During the first century, the Legislature retained the regional designation in the name, but as its mission changed it became first Normal College, then successively Teachers College, College and University. These changes reflected the change from a teacher-preparation institution to a regional university. In 2003, the Legislature dropped the regional designation and the institution became Texas State University-San Marcos, and in 2013 the place name was eliminated as Texas State University became an emerging research university within the state.

Though Texas State originally became renowned for preparing public school teachers, today it does far more. Texas State, a major institution of higher education approaching an enrollment of 40,000, currently offers programs not only in the College of Education, but also in the College of Applied Arts, Emmett and Miriam McCoy College of Business Administration, College of Fine Arts and Communication, College of Health Professions, Honors College, College of Liberal Arts, College of Science and Engineering, and University College. University College oversees freshman advising as well as other activities of the freshman year experience in addition to housing students who have not yet chosen a major. The Graduate College provides opportunities for continued intellectual growth through advanced and specialized education that develops leaders in the professions and in research up through the doctoral degree.

As Texas State's student population has grown — from 303 in 1903 to nearly 39,000 in 2017 — the campus, too, has expanded and today Texas State is the fifth largest public university in the state. Overlooking the campus from Chautauqua Hill and serving as a landmark since 1903 is Old Main, a red-gabled Victorian building restored to its original grandeur.

In 1979, after adding a number of classroom buildings and residence halls, Texas State purchased the former San Marcos Baptist Academy adjacent to the original campus. In 1981, South Texas entrepreneur Harry M. Freeman donated a 3,500-acre ranch to Texas State to be held in perpetual trust as the Harold M. Freeman Educational Foundation. The working ranch is used as a laboratory for students in agriculture, animal science, anthropology, biology and a variety of other academic disciplines. In 1990, the university opened the seven-story Albert B. Alkek Library. The building, conveniently located in the center of campus, is named for the noted Texas rancher, oil man and educational philanthropist who died in 1995.

Texas State acquired one of the most unique ecosystems in the world in 1994 when it purchased the former Aquarena Springs resort and theme park. The purchase allowed Texas State to serve as steward of the headwaters of the San Marcos River, preserving and protecting one of the oldest inhabited spots in North America for future generations of Texans. Now called the Aquarena Center, the 90-acre property is the site of a wide variety of educational and research pursuits. Aquarena Center is home to eight endangered species of plants and animals that exist nowhere else in the world.

In 1998, as the lead institution, Texas State joined forces with other area universities to establish the Round Rock Higher Education Center, now known as the Texas State University Round Rock Campus (RRC). The RRC, located on 101 acres north of Austin, offers upper-division and graduate educational opportunities in Williamson County and Austin.

Texas State's main campus is located in San Marcos, a Hill Country community about halfway between Austin and San Antonio. Its location on the banks of the San Marcos River provides recreational and leisure activities for students throughout the year.

Texas State became part of the Texas State University System in 1911. The System, governed by a nine-member Board of Regents, also includes Lamar University, Lamar Institute of Technology, Lamar State College–Orange, Lamar State College–Port Arthur, Sam Houston State University, Sul Ross State University and Sul Ross University Rio Grande College. The first president of Texas State was Mr. T.G. Harris, who served from 1903 to 1911. He was followed by Dr. C.E. Evans, 1911–1942; Dr. J.G. Flowers, 1942–1964; Dr. James H. McCrocklin, 1964–1969; Dr. Leland E. Derrick, 1969; Dr. Billy Mac Jones, 1969–1973; Mr. Jerome C. Cates, 1973–1974; Dr. Lee H. Smith, 1974–1981; Mr. Robert L. Hardesty, 1981–1988; Dr. Michael L. Abbott, 1988–1989; Dr. Jerome Supple, 1989–2002, and Dr. Denise M. Trauth, 2002–present.

Graduate Council

Code	Title	Hours
Dr. Andrea Golato, Dean, The Graduate College, Chair		

Code	Title	Hours
Dr. Farhad Ameri, Associate Professor, Engineering Technology (2019-2022) (R)		
Dr. Sonya Armstrong, Professor, Curriculum and Instruction ~ Developmental Education doctoral programs (R)		
Dr. William Chittenden, Associate Professor, Finance and Economics (2013-2022) (R)		
Dr. Christina Conlee, Professor, Anthropology doctoral and master's programs (R)		
Dr. Joellen Coryell, Associate Professor, Counseling, Leadership, Adult Education, and School Psychology ~ Adult, Professional, and Community Education doctoral program (R)		
Dr. Jose Carlos de la Puente, Associate Professor, History (2018-2021) (R)		
Dr. Celeste Domsch, Associate Professor, Communication Disorders (2014-2020) (R)		
Dr. Patti Giuffre, Professor, Sociology (2013-2022) (R)		
Dr. Bob Fischer, Assistant Professor, Philosophy (2019-2022) (R)		
Dr. M. Clay Green, Professor, Biology ~ Aquatic Resources and Integrative Biology doctoral program (R)		
Dr. Michel Haigh, Professor, Journalism and Mass Communication (2017-2020) (R)		
Dr. Paul Hart, Professor, International Studies (2016-2022) (R)		
Dr. Kelly Haskard Zolnierek, Associate Professor, Psychology (2017-2020) (R)		

Dr. Jan Hodges, Associate Professor, Health and Human Performance (2017-2020) (R)

Dr. Jennifer Irvin, Associate Professor, Materials Science, Engineering, and Commercialization doctoral program (R)

Dr. Chang Ji, Associate Professor, Chemistry and Biochemistry (2018-2021) (R)

Dr. James Kilby, Associate Professor, Anthropology (2019-2022) (R)

Dr. James Koschoreck, Associate Professor, Counseling, Leadership, Adult Education and School Psychology ~ School Improvement doctoral program (R)

Dr. C. Scott Kruse, Associate Professor, Health Administration (2017-2020) (R)

Dr. David Lemke, Professor, Biology (2006-2021) (R)

Dr. Kasey Martin, Associate Professor, Accounting (2017-2020) (R)

Mr. Brandon McWilliams, Associate Professor, Theatre and Dance (2017-2020) (R)

Dr. Anne Hee-Hiong Ngu, Professor, Computer Science doctoral program (R)

Dr. Kay Nicols, Associate Professor, Management (2018-2021) (R)

Dr. Greg Passty, Professor, Mathematics (2007-2022) (R)

Dr. Ludim Pedroza, Associate Professor, Music (2018-2021) (R)

Dr. Wuxu Peng, Professor, Computer Science (2014-2020) (R)

Dr. Edwin Piner, Professor, Physics (2019-2022) (R)

Dr. J. Yuri Porras, Professor, World Languages and Literatures (2014-2020) (R)

Dr. Nandhini Rangarajan, Associate Professor, Political Science (2016-2022) (R)

Ms. Claudia Roeschmann, Professor, Art and Design (2010-2022) (R)

Dr. Teya Rosenberg, Professor, English, (2017-2020) (R)

Dr. Chris Russian, Professor, Respiratory Care (2017-2020) (R)

Dr. Jaymeen Shah, Professor, Computer Information Systems and Quantitative Methods (2019-2022((R)

Dr. Shailen Singh, Assistant Professor, Organization, Workforce and Leadership Studies (2018-2021) (R)

Dr. Mark Stafford, Professor, Criminal Justice doctoral program (R)

Dr. Lois Stickley, Associate Professor, Physical Therapy doctorate program (R)

Dr. Sharon Strickland, Associate Professor, Mathematics ~ Mathematics Education doctoral program (R) (R)

Dr. Lucia Summers Rodriguez, Assistant Professor, Criminal Justice (2019-2022) (R)

Dr. Lindsay Timmerman, Associate Professor, Communication Studies (2019-2022) (R)

Dr. Raphael Travis, Associate Professor, Social Work (2019-2022) (R)

Dr. Vishu Viswanathan, Professor, Ingram School of Engineering (2014-2020) (R)

Dr. Nicole Wagner, Assistant Professor, Agricultural Sciences (2018-2021)(R)

Dr. Susan Waite, Assistant Professor, Curriculum and Instruction (2018-2021) (R)

Dr. Tiankai Wang, Associate Professor, Health Information Management (2015-2021) (R)

Dr. Amy Weimer, Professor, Family and Consumer Sciences (2019-2022) (R)

Dr. Pamela Willson, Clinical Professor, St. David's School of Nursing (2018-2021) (R)

Dr. Kathy Ybanez-Liorente, Associate Professor, Counseling, Leadership, Adult Education and School Psychology (2019-2022) (R)

Dr. Gail Zank, Professor, Marketing (2002-2020) (R)

Dr. F. Benjamin Zhan, Professor, Geography doctoral and master's programs (R)

Ex Officio

Code	Title	Hours
Dr. Gene Bourgeois, Provost and Vice President for Academic Affairs (T)		
Mr. Louis Jimenez, University Registrar, Office of University Registrar (T)		
Dr. Denise M. Trauth, President, Texas State University (T)		

Function

Recommends Graduate College policies to the Dean of The Graduate College, who in turn administers the policies or submits recommendations to the Provost and Vice President for Academic Affairs and the President's Cabinet. The Graduate Council also reviews standards for admissions, retention and enrollment patterns, in concurrence with the Dean. The Graduate Council also approves membership standards for graduate faculty.

Mission Statement

Texas State University is a doctoral-granting, student-centered institution dedicated to excellence and innovation in teaching, research, including creative expression, and service. The university strives to create new knowledge, to embrace a diversity of people and ideas, to foster cultural and economic development, and to prepare its graduates to participate fully and freely as citizens of Texas, the nation, and the world.

Shared Values

In pursuing our mission, we, the faculty, staff, and students of Texas State University, are guided by a shared collection of values:

- Teaching and learning based on research, student involvement, and the free exchange of ideas in a supportive environment;
- Research and creative activities that encompass the full range of academic disciplines--research with relevance, from the sciences to the arts, from the theoretical to the applied;
- The cultivation of character, integrity, honesty, civility, compassion, fairness, respect, and ethical behavior in all members of our university community;
- A diversity of people and ideas, a spirit of inclusiveness, a global perspective, and a sense of community as essential conditions for campus life;
- A commitment to service and leadership for the public good;
- Responsible stewardship of our resources and environment; and
- Continued reflection and evaluation to ensure that our strengths as a community always benefit those we serve.

The Graduate College Mission

The mission of The Graduate College is to provide vision, leadership, and direction for excellence in graduate education at Texas State University with the aim of providing the appropriate infrastructure and learning

environment for the training of innovative and successful scholars, teachers, and professionals. The Graduate College does so by

- articulating, promoting, and supporting the highest standards of quality in graduate education in keeping with the university's overall mission of teaching, research, including creative expression and service;
- constructing and maintaining an environment conducive to successful graduate education in concert with all graduate programs;
- supporting programs' efforts to foster a diverse student population which participates in a global society;
- promoting and supporting rigor in graduate education;
- providing key process and procedure guidance and support to graduate programs from admission to graduation;
- aiding in student recruitment, application processing, policy monitoring, and degree auditing;
- promoting initiatives designed to provide best practices in graduate education leading to timely degree completion;
- providing support to graduate students for creative and scholarly activities;
- offering professional development opportunities for graduate students at key stages in their graduate careers; and
- engaging in research on graduate education.

The stakeholders of The Graduate College include students, faculty, and staff involved in graduate education at Texas State University.

Diversity and Inclusion Policy Statement

Texas State believes that freedom of thought, innovation and creativity are fundamental characteristics of a community of scholars. To promote such a learning environment, the university has a special responsibility to seek diversity, to promote inclusion, to instill a global perspective in its students, and to nurture sensitivity, dialogue and mutual respect. Discrimination against or harassment of individuals on the basis of race, color, national origin, religion, sex, sexual orientation, age, disability, veterans' status, gender identity or expression are inconsistent with the purposes of the university.

Students' Rights, Privileges, and Expectations

Texas State is committed to the value of a racial and ethnic diversity and believes that the primary purpose of higher education is to promote learning for all and to stimulate inquiry for truth in an atmosphere of freedom. Accordingly, Texas State encourages students to exercise the rights of citizenship. However, these rights are subject to reasonable limitations necessary for the orderly operation of the university. Texas State expects students to accept their responsibilities as citizens and members of a scholarly community. Paramount among these responsibilities is respect for the rights of others, academic and personal integrity, and adherence to federal, state, and local law as well as university regulations.

The faculty and administration are genuinely concerned with the physical and ethical welfare of students. To that end, Texas State has established rules of conduct and has published these in a Code of Student Conduct and Honor Code. These regulations guide students in achieving personal and academic goals and help the university function in an orderly way. Since students voluntarily associate themselves with Texas State, they should know that these rules are honestly and faithfully enforced. The rules include clear prohibitions against sexual or discrimination and racial harassment.

Texas State has established a grievance procedure for the prompt and equitable resolution of complaints related to illegal discrimination or harassment. Texas State, to the extent not in conflict with federal or state law, prohibits discrimination or harassment on the basis of race, color, national origin, age, sex, religion, disability, veterans' status, sexual orientation, gender identity, or expression. This grievance procedure is described in University Policy and Procedure Statement 04.04.46 (http://www.txstate.edu/effective/UPPS/UPPS-04-04-46.HTML), *Prohibition of Discrimination*. The Texas State University System Sexual Misconduct Policy outlines our policy and procedure related to Title IX (sexual misconduct). Students should follow the procedures for reporting instances of discrimination or harassment.

The administration and faculty encourage students to participate in managing Texas State through its system of advisory councils and committees. Students are invited to serve as voting members on many of these groups, and are expected to contribute actively to their success. Students may submit recommendations for changes in policy, not only through the committee structure, but also through their own student government.

Student Right-to-Know and Campus Security Act

The Student-Right-to-Know and Campus Security Act was enacted in 1990 by federal law. The law requires institutions that receive student aid assistance to prepare and distribute an Annual Security Report (Campus Watch). The Campus Watch for Texas State University at San Marcos and Round Rock campuses includes descriptions of campus crime prevention programs, procedures for reporting crimes and information about the number and frequency of crimes reported to the University Police Department for the last three years. It also provides Texas State's policies for campus security and law enforcement related to sexual offenses, liquor law violations, and controlled substance offenses. In addition to publishing crime statistics, the act requires the institution to provide timely warnings to the campus community of certain crimes reported to the University Police Department or local law enforcement which may be considered a threat to the campus community. The Campus Watch is available on the Texas State website at https://www.police.txstate.edu/public-records/clery-act-and-campus-security.html, in the offices of Undergraduate Admissions, The Graduate College, Human Resources, and the University Police Department.

For a hard copy of the Campus Watch, contact the University Police Department, Nueces Building or to have a hard copy mailed free of charge call 512-245-2890.

Student Data, Privacy, and Communications

Correct Data

All students are responsible for making certain Texas State has correct demographic data. A student's name will appear on official records as it is stated on the application for admission, unless a student has previously attended Texas State under a different name. Changes in

name, local and/or permanent address, telephone number, marital status, etc. should be reported immediately to the office of the University Registrar. Texas State is not responsible for loss of correspondence credits due to unreported name changes. Address changes can be submitted at http://www.registrar.txstate.edu/our-services.html.

Family Educational Rights and Privacy Act of 1974 (FERPA)

FERPA protects the privacy of educational records, establishes the right of students to inspect and review their educational records, and provides guidelines for the correction of inaccurate or misleading data. Students also have the right to file complaints with the FERPA Office concerning alleged failures by Texas State to comply with the Act. University policy explains in detail the procedures to be used in complying with the Act. The policy is available at http://www.registrar.txstate.edu/legislative-policies/ferpa.html. The Dean of Students and the University Registrar both presume that each student is independent of his or her parents when dealing with the student's educational records. Procedures for establishing dependency status are available in both offices.

Communications

Most university offices use Texas State email as the official means of communication. Students are expected to set up and read their Texas State email frequently.

Occupational License Notification

As required by the Texas Occupations Code, Section 1, Chapter 53, Sections 53.151 – 53.152, amended in 2017 by House Bill 1508, if you are applying for admission to or currently enrolled in an educational program that may prepare an individual for an initial occupational license as defined under Texas Occupations Code Section 58.001 and/or if you later decide to change to an educational program that prepares you for an initial occupational license as defined under Texas Occupations Code Section 58.001, in accordance with state law, please be advised of the following:

1. An individual who has been convicted of an offense may be ineligible for issuance of an occupational license upon completion of the educational program.
2. Each licensing authority that may issue an occupational license to an individual who completes an educational program must establish guidelines that state the reasons a particular crime is considered to relate to a particular license and any other criterion that affects the decisions of the licensing authority.
3. Local or county licensing authorities may issue additional guidelines related to criminal history. Applicants should contact their respective local or county licensing authority for more details.
4. A person may request a criminal history evaluation letter regarding the personal eligibility for a license issued by a licensing authority under Texas Occupations Code Section 53.102.

Applicants are encouraged to review all applicable eligibility requirements related to the respective occupational license. Questions related to eligibility requirements should be directed to the applicable licensing authority.

A list of the Texas State University degree and certificate programs that prepare a student for an initial occupational license as defined under Texas Occupations Code Section 58.001 is available here. (http://www.txstate.edu/curriculumservices/programs/occupational-license-HB-1508.html)

Abandoned and Unclaimed Personal Property

Abandoned and unclaimed personal property discovered on campus is turned over to the University Police Department (UPD) for safekeeping and standard handling. Property is considered abandoned if it appears that the owner has thrown it away, has voluntarily left it, or has lost it without any intent or expectation to regain it.

Abandoned and unclaimed personal property is held by UPD for a minimum of 120 days from the time the department acquires the property. A reasonable effort will be made to notify the owner and UPD will facilitate the return of unclaimed personal property to the proper owners. If the property is reclaimed during the 120-day period, the university may charge the owner a reasonable storage fee.

If not reclaimed after 120 days, the property will be declared abandoned and, the property may be sold as part of a normal surplus property sale. For specifics on the handling and processing of abandoned and unclaimed property, please refer to University Policy and Procedure Statement 05.01.20.

Albert B. Alkek Library

Alkek Library
www.library.txstate.edu (http://www.library.txstate.edu)
Telephone: 512-245-2686 Fax: 512-245-0392

The Albert B. Alkek Library, located in the heart of the San Marcos campus, is where students and researchers come to find abundant information resources, cutting-edge technology, and diverse work and study spaces that support successful research and academic endeavors. The Alkek Library is the architectural centerpiece and intellectual hub of the campus and is open year round with early morning and late night hours during the fall and spring semesters, including continuous 24-hour access during mid-terms and finals. In addition, the library's online services and resources can be accessed 24/7 through the website (http://library.txstate.edu/).

Special holdings of the library include The Wittliff Collections (comprised of the Southwestern Writers Collection, the Southwestern and Mexican Photography Collection and the new Texas Music Collection) and the University Archives. The Alkek Library is also a selective depository for federal government documents. As a member of the Texas Digital Library, the library's digital collections (http://digital.library.txstate.edu/) feature unique Texas State collections, including scholarly works authored by university faculty, students and staff, and selected materials from The Wittliff Collections and the University Archives.

The library's online catalog (http://catalog.library.txstate.edu) provides information on its holdings.

Wireless access to the university network is available within the Alkek Library. Laptop computers may be checked out for building use and there are multiple workstations, laser printers and scanners located throughout the building. Alkek Library also has a self-service video recording studio, 3D printing technology, video conferencing and video-editing technology, Geographic Information Systems (GIS) technology support, and adaptive equipment for individuals with disabilities.

The Alkek Library is currently being renovated to add new technology features such as a MakerSpace, Immersion Studio (for visual, mixed and augmented reality experiences), DesignSpace (for graphic design) and additional video and audio recording and editing studios. In addition, the renovations will add a new Graduate Commons space for graduate students along with other education, instruction, and research spaces and features. Renovations are scheduled for completion during the spring 2020 semester.

The library maintains cooperative borrowing agreements with other libraries in the region. Through TexShare, a statewide resource sharing program, students and faculty may borrow materials held by most public and private university libraries in the state.

Career Services

LBJ Student Center, 5th Floor
www.careerservices.txstate.edu (http://www.careerservices.txstate.edu)
Telephone: 512-245-2645

Career Services serves as a bridge between students' college experience and life after Texas State University. Starting their first year, and continuing beyond graduation, we are here to help students explore who they are, to weight their options, and to pursue their careers. In addition we will help them to connect their experiences--whether from the classroom, campus activities, on- or off-campus work, internships, or even graduate school--to their post-graduation goals.

Among our services are:

Career Planning and Exploration - Career Counselors are here to help you research majors, study your options, and plan and implement your professional future.

Career Advising and Job Search - Career Advisors are also available to further discuss the job search, including resumes, cover letters, interview skills, and salary negotiations.

Internships and Jobs - In Jobs4Cats, our exclusive job search database, students can find part-time/full-time employment and internship opportunities. Job seekers can also apply for on and off-campus positions through this online resources.

Employer Connections - There are also a wide range of opportunities to research and network with employers, including more than 20 career fairs, dozens of workshops and information sessions, and hundreds of employers interviewing on campus.

Disability Services

LBJ Student Center 5-5.1
www.ods.txstate.edu (http://www.ods.txstate.edu)
Telephone: 512-245-3451 Fax: 512-245-3452

the Office of Disability Services (ODS) at Texas State University is dedicated to ensuring the equal access to all university programs and activities for students with disabilities through the coordination of academic accommodations and support services. Texas State students should contact the ODS and schedule an appointment with a specialist to discuss the academic accommodations process including how to register with the office and how to provide documentation of a disability. It is the student's responsibility to get diagnosed or documentation for a disability from a certifies professional (e.g., psychologist, psychiatrist, or physician) for the ODS to establish the student's need for appropriate accommodations.

Texas State University does not discriminate on the basis of disability in the recruitment and admission of students or in the operation of any of its programs and activities. Students with disabilities must meet the same admission requirements as all other prospective students. A student whose educational and/or personal goals for success have been negatively impacted due to disability-based reasons may wish to address this in the supplemental essay portion of the admission application. Students needing sign language or oral interpreting services for admissions counseling, disability counseling and/or academic advising should contact the ODS at least one week prior to the event to ensure interpreter availability.

Students with disabilities may receive financial assistance from Federal Student Aid: An Office of the U.S. Department of Education, the Texas Workforce Commission (TWC), and Texas State University including Financial Aid and Scholarships and the Office of Disability Services.

The Office of Disability Services has a procedure for enrolled students to file a concern they may have with a faculty and/or staff member related to their accommodations. Students have the option to raise their concern to a grievance if they feel it is appropriate; however, an ODS staff member may raise a concern into a grievance if deemed appropriate. Texas State University has established grievance procedures for the prompt and equitable resolution of complaints related to accommodations associated with a disability and illegal discrimination on the basis of disability, which are outlined respectively in the Grievance Procedures for Students with Disabilities and UPPS No. 04.04.46 (http://www.txstate.edu/effective/UPPS/UPPS-04-04-46.HTML), "Prohibition of Discrimination". Students who have concerns or complaints should contact the ODS Case Manager and/or Director at 512-245-3451 or the university Americans with Disabilities Act Coordinator at 512-245-2278.

Veterans Affairs

J.C. Kellam Building Room 105
www.va.txstate.edu (http://www.va.txstate.edu)
Email: veteransaffairs@txstate.edu
Telephone: 512-245-2641

Students attending Texas State (TXST) while receiving educational assistance under one of the public laws for veterans and/or their dependents must contact the TXST Office of Veterans Affairs to complete the required forms.

All students applying for GI Bill® or Hazlewood benefits must provide the documents for their specific benefit type as listed here: https://www.va.txstate.edu/timeline/required-documents.html.

All students must follow their degree requirements in order to receive the maximum benefit payout. Students who are eligible for Hazlewood are subject to Academic Progress for Waivers and Exemptions (APWE) policies. For more information, go to https://www.sbs.txstate.edu/students/waivers-exemptions.html.

It is the student's responsibility to notify the Office of Veterans Affairs of any adds, drops, course, or program changes.

Any student enrolling under any military-connected educational benefits should be prepared to cover any expenses that may not be resolved before the bill due date. No benefit pays the university directly for living or

meal expenses, which are due prior to the start of each semester. GI Bill® benefit payments are made in arrears.

International Office

Thornton International House
344 W. Woods Street
www.international.txstate.edu (http://www.international.txstate.edu)
Telephone: 512-245-7966 Fax: 512-245-8264

The mission of International Student and Scholar Services is to support the comprehensive internationalization goals of Texas State University and assist the university in developing and maintaining an internationally diverse student body, faculty, and staff by:

- Serving as immigration and cultural advisors to international students and scholars; advocating on their behalf, and providing services and information that facilitate their cultural adjustment, social integration, retention and success;
- Assisting the university at large and international students, scholars, alumni, faculty and staff in particular, in complying with various governmental policies and regulations;
- Contributing to the research and teaching mission of the university by assisting with employment authorization for distinguished international scholars, faculty, and staff;
- Promoting global awareness and internationalization at the university by facilitating international agreements, and by administering international programming through hosting and sponsoring international events.

Who is an international student?

An international student is a student enrolled in a U.S. academic program in a non-immigrant visa classification.

- Common non-immigrant visa classifications are: A-1, A-2, B-1, B-2, E-1, E-2, F-1, F-2, H-1, H-4, J-1, J-2, K-1, L-1, L-2, M-1, R-1, R-2, TN, and TD.
- F-1 Student is the most common non-immigrant visa classification at Texas State with over 90% of international students in F-1 status.
- A student who has applied for or received an immigrant visa classification such as permanent residency or refugee or asylum status, or who is undocumented is not categorized as an international student.

General Regulations

The following regulations govern F-1 and J-1 international students enrolled at Texas State:
International students are required to:

- Attend a mandatory F-1 Student Immigration Check-in session or J-1 Orientation.
- Enroll in a full course of study every fall and spring semester; summer is an authorized break period, however, full-time enrollment is required in summer for students whose first semester begins in summer.
- Obtain permission from International Student and Scholar Services before dropping below a full course of study for any reason. (See Reduced Course Load (https://www.international.txstate.edu/current/Reduced-Course-Load--RCL-.html))
- Obtain permission from International Student and Scholar Services before engaging in off-campus employment. (See Curricular Practice Training (CPT) (https://www.international.txstate.edu/current/cpt.html) or Optional Practical Training (OPT) (https://www.international.txstate.edu/optandstemextension/opt.html))
- Not work more than 20 hours per week while participating in on-campus employment in the fall and spring semesters. Students may work more than 20 hours per week during the summer and authorized break periods. (See On-campus Employment (https://www.international.txstate.edu/current/oncampus.html))
- Report address changes or personal information to International Student and Scholar Services within 10 days of the change. (See Change of Address Update (https://tim.txstate.edu/internationalofficeaddresschange/Login?returnurl=%2finternationalofficeaddresschange%2f))
- Report any changes in program of study (change of major, adding a minor/concentration, etc.) to International Student and Scholar Services.
- Apply for a program extension from International Student and Scholar Services prior to the end date on the I-20. (See Program Extension (https://www.international.txstate.edu/forms/requests.html))
- Obtain a travel signature from International Student and Scholar Services for all international travel.
- Request a transfer of their SEVIS record from International Student and Scholar Services to transfer to a new SEVIS-certified institution. (See SEVIS Transfer-out (https://www.international.txstate.edu/current/TransferOut.html))
- Notify International Student and Scholar Services upon approval of a change of non-immigration status, or an adjustment of status to permanent residency.
- Provide proof of health insurance coverage each semester enrolled by obtaining coverage under the designated international student health insurance policy, or apply for a waiver and present acceptable proof of other comparable and adequate health insurance coverage. (See Health Insurance (https://www.international.txstate.edu/current/Health-insurance-.html))

An Overview of Our Services

- Assist international students and academic departments with immigration processes and issues related to non-immigrant F-1 and J-1 students;
- Assist international faculty and staff and hiring departments with employment authorization issues;
- Provide mandatory F-1 Student Check-In and host International Student Resource Fair;
- Advise and advocate for international students and scholars;
- Plan and host programs for international students and scholars;
- Provide statistical reports
- For the complete list, click here (https://www.international.txstate.edu/about/about_us/Services.html).

Round Rock Campus

1555 University Blvd.
Round Rock, TX 78665-8017
www.rrc.txstate.edu (http://www.rrc.txstate.edu)
T: 512-716-4001

As Williamson County continues to experience significant annual growth — the population now exceeds 500,000 — the University Master Plan positions the Round Rock Campus to continue serving the needs of the area. Collectively, Texas State University's Round Rock Campus (http://www.rrc.txstate.edu) (RRC) provides instructional space, administrative

offices, and student support spaces. Despite its increased focus on healthcare education, the RRC will continue to offer upper-level courses leading to baccalaureate degrees in an array of disciplines as well as offering select master's degrees and a professional doctoral program. Additionally, the needs of Central Texas are further served by offerings of certifications and continuing education, online and distance learning opportunities via evening and weekend sessions — delivering vital education for working adults, professionals and lifelong learners.

The RRC offers daytime and evening classes for students interested in completing their degree program. From its inception, the Round Rock Campus (http://www.rrc.txstate.edu) (RRC) has offered classes after 5:00 p.m. four nights per week for the working or adult student. Students may enroll in hybrid and online courses and, if they choose, can complete their freshman- and sophomore-level classes at the San Marcos campus, at a community college or at some other accredited institution before transferring to the RRC.

Undergraduate Degree Programs

To register for classes at the Round Rock Campus, students must have completed their sophomore year or have earned at least 45 transferable hours. The 45 hours of credit must be from one of the several bachelor's (http://www.rrc.txstate.edu/about/programs/bachelors.html) degree programs (http://www.rrc.txstate.edu/about/programs/bachelors.html) offered by the RRC. Students who intend to complete the junior- and senior-level classes at the RRC will follow the same application process (http://www.rrc.txstate.edu/prospective/starting.html) as other applicants to Texas State. Because the advising and orientation processes are unique to the RRC it is important to contact RRC student services as soon as possible.

Graduate Degree Programs

The RRC offers 16 master's degree programs and 1 professional doctorate in physical therapy (http://www.rrc.txstate.edu/about/programs/masters.html). For more information about admissions requirements and application procedures as well as the list of programs, call, visit or email the address above.

Education Abroad

Thornton International House
344 W. Woods Street
www.studyabroad.txstate.edu (http://www.studyabroad.txstate.edu)
Telephone: 512-245-1967 Fax: 512-245-1644 Email: studyabroad@txstate.edu

An education abroad experience expands students' intellectual and personal development as they become immersed in other cultures. Students gain a critical self-awareness, an appreciation for a multicultural world, and a clearer understanding of their own culture. Education abroad prepares students to assume their role as responsible world citizens and to succeed professionally in today's global economy.

The Education Abroad Office offers students the opportunity to participate in a variety of education abroad programs in hundreds of locations around the world. The academic credit students earn may be applied toward a degree at Texas State. Some of these programs involve direct enrollment in an overseas institution, while other programs are led by Texas State faculty.

Through Texas State Education Abroad Programs, students can spend from one week to a full academic year and beyond in another country either learning another language, concentrating their studies related to a specific topic in their field of study, or participating in an internship. Texas State Education Abroad Programs include a variety of activities that allow students to learn and experience the culture of the host country. In some of these programs students have the opportunity to live with a host family and become totally immersed in the culture of the host country for a more comprehensive learning experience.

Program locations vary from year to year. Students may learn more about these programs from current information located on the Education Abroad website.

The Education Abroad Fair, as well as many other events and presentations, are held throughout the year to provide information to students interested in studying, teaching, interning, volunteering, working and/or researching abroad.

Financial Assistance for Education Abroad Programs

Most of the financial aid that students would normally receive for studying at Texas State may be applied toward Texas State Education Abroad Programs. Additionally, there are colleges and education abroad providers that offer financial aid for attending their programs. If a student is receiving federal or state financial aid, it is recommended that the student speak with a representative of the Texas State Office of Financial Aid and Scholarships to determine the application of such aid to any education abroad program and the possible adjustment to meet the student's needs.

The Education Abroad Office also has information on scholarships that are available to students who plan to study abroad. At Texas State, students are eligible for the International Education Fee Scholarship (IEFS) as well. The IEFS is funded through the student service fee account. The scholarships are distributed in a competition open to all undergraduate and graduate Texas State students, including international students, who meet the established eligibility requirements.

Financial Aid

Financial Aid and Scholarships
JC Kellam Suite 240
http://www.financialaid.txstate.edu/ (http://www.financialaid.txstate.edu)
Email: financialaid@txstate.edu (FinancialAid@txstate.edu)
T: 512.245.2315

Texas State makes every effort to help students who need assistance in paying for the cost of their education. Various financial aid programs are available. Interested students should contact Financial Aid and Scholarships or visit the office's website to view the types of assistance that are available.

Federal and State Aid Programs

Texas State participates in both federal and state financial aid programs. Financial Aid and Scholarships offers grants, work study, student loans, and other types of aid.

Applying for Financial Aid

To apply for financial aid, a student must complete and submit the Free Application for Federal Student Aid (FAFSA) online at https://

fafsa.ed.gov and include the Texas State University school code – 003615.

Deadlines

- March 15 is the priority date for filing a FAFSA for the upcoming academic year (fall and spring). If the deadline is missed, a student may still apply and receive some types of assistance such as student loans.
- March 1 is the priority deadline for filing the separate summer financial aid application prior to the upcoming summer semester. This separate summer application, which can be found online at http://www.financialaid.txstate.edu/, is in addition to filing the appropriate year's FAFSA.

Satisfactory Academic Progress Requirements

Federal regulations require students to meet certain minimum academic standards in order to remain eligible for financial assistance. The requirements are that a student:

1. maintain a minimum cumulative Texas State GPA;
2. complete at least 67% of all course work; and
3. not exceed a maximum limit of attempted hours toward their degree.

Additional program-specific requirements also exist. View these SAP criteria in more detail at http://www.financialaid.txstate.edu/ by selecting *Graduate Aid* from the dropdown menu and then *Maintain My Eligibility.*

Alternative Loan Resources

For information on alternative loans, visit http://www.financialaid.txstate.edu/, select *Graduate Aid* from the dropdown menu and then *Types of Aid*.

Official Withdrawals and Financial Aid

If a student withdraws or is expelled from the university on or prior to the 60-percent point of the semester, the student is required to repay any unearned portion of their federal Title IV aid. For more details, visit http://www.financialaid.txstate.edu/, select *Graduate Aid* from the dropdown menu and then *Withdrawing, Non-Passing Grades and Attendance.*

Unofficial Withdrawals and Financial Aid

If the student fails to earn a passing grade in at least one of their courses (i.e., all U's, all I's or a combination of all U's, W's or I's) during a semester, the student is considered to have, for purposes of federal Title IV funds, unofficially withdrawn from the university. As a result, a federal withdrawal calculation must be performed to determine the amount of Title IV funds the student must repay. For more details, visit http://www.financialaid.txstate.edu/, select *Graduate Aid* from the dropdown menu and then *Withdrawing, Non-Passing Grades and Attendance.*

Non-Attendance and Financial Aid

If the student is a Pell Grant, Iraq-Afghanistan Service Grant (IASG) or TEACH Grant recipient, federal regulations require the student to have begun attending the courses for which the student is enrolled and receiving these grants. If on the census date roster (e.g., 12th day of each fall and spring semester) the student is reflected as not attending a course, the student is assumed (for financial aid purposes) not to have begun attendance for that course. The student's grant will then be adjusted or cancelled based on the courses the student has actually begun attending. For more details, visit http://www.financialaid.txstate.edu/, select *Graduate Aid* from the dropdown menu and then *Withdrawing, Non-Passing Grades and Attendance.*

To Withdraw

The student must complete the form entitled "Texas State Official Withdrawal Request" from the University Registrar's Office. Financial aid recipients should speak with a Financial Aid and Scholarships representative before the withdrawal is processed. The withdrawal date is defined as the date on which a student first indicates his or her intent to withdraw.

Scholarships and Fellowships

The scholarships listed below are competitively based and are available to qualified students who are regularly admitted through The Graduate College. Students who are not Texas residents and receive a Texas State competitive scholarship of at least $1,000 may be eligible to pay resident tuition. More information regarding eligibility criteria, the application procedures and deadlines for each of the scholarships and fellowships listed below is available on our funding page.

Information about additional scholarships, as well as teaching and research assistantships, may be available through individual academic departments.

Texas State Celebrity Classic Scholarships

The Graduate College awards these scholarships to encourage students with intellectual, creative, and leadership promise to complete a master's or doctoral degree at Texas State University. These scholarships are available for both newly admitted and continuing students.

Graduate College Scholarships

The Graduate College provides these scholarships to encourage students with intellectual, creative, and leadership promise to complete a master's or doctoral degree at Texas State University. These scholarships are available for newly admitted and continuing students.

Graduate College Doctoral Research Support Fellowships

The Graduate College provides *Doctoral Research Support Fellowships* to support graduate student research at the doctoral level. Each award of up to $5,000 is to be used to cover expenses directly related to conducting dissertation research. There are two rounds of funding applications each year.

Graduate College Thesis Research Support Fellowships

The Graduate College provides *Thesis Research Support Fellowships* to support graduate student research at the master's level. Each award of up to $2,000 is to be used to cover expenses directly related to conducting thesis research. There are two rounds of funding applications each year.

Texas State Doctoral Merit Fellowships

The Graduate College's *Texas State Doctoral Merit Fellowships* are intended for use in recruiting doctoral students of the highest quality to Texas

State University. The *Texas State Doctoral Merit Fellowship* provides $9,000 to doctoral students for their first academic year of study (paid in early September, January, and June). These fellowships can be combined with graduate assistantships or departmental scholarships to create an attractive financial aid package for top-quality applicants. Doctoral program directors are encouraged to identify and nominate eligible applicants. (Prospective students cannot apply directly.)

Texas State Graduate Merit Fellowships

The Graduate College's *Texas State Graduate Merit Fellowships* are prestigious awards intended for use in recruiting doctoral students of the highest quality to Texas State University. The *Texas State Graduate Merit Fellowship* provides $3,000 to new master's students for their first academic year of study (paid in early September, January, and June). These fellowships can be combined with graduate assistantships or departmental scholarships to create an attractive financial aid package for top quality applicants. Graduate advisors are encouraged to identify and nominate eligible applicants. (Prospective students cannot apply directly.)

External Funding

The Graduate College provides resources to assist students seeking or applying for external funding. The Graduate Funding Opportunities Database houses grants, scholarships, fellowships, internships and other awards/prizes specific to Texas State graduate students. Through the Shop Talks professional development series, funding experts present general information about external funding as well as details about specific opportunities. The Graduate College also employs an in-house external funding coordinator to advise students with funding applications and grant proposals.

Admission Information

Admission Requirements

The requirements set forth on each individual program page (detailed both in the *Graduate Catalog* and The Graduate College website) are the minimum standards for admission to enter a graduate program at Texas State. Meeting these requirements does not necessarily ensure acceptance into a graduate program. Some programs recommend that applicants arrange a personal interview with the appropriate graduate faculty.

Applicants who are currently on probation or suspension at other colleges or universities are not eligible for admission consideration by The Graduate College. The dean of The Graduate College may refuse admission to any applicant, regardless of whether or not the applicant meets the admission requirements, if the dean of The Graduate College judges that such action is in the individual's or the University's best interest. The University reserves the right to deny admission to any prospective or former student who has a criminal record including any conviction of a felony, offenses involving moral turpitude, or other offenses of a serious nature.

Start Term

Applications are for specific terms. If a program is not available for selection on the official admission application portal for a specific term, then the program does not offer admission for that term or the deadline to apply for that program has passed. Applicants wishing to change their application to a future term will be required to submit a new application and pay the application fee.

Communication

The Graduate College will email applicants important information pertaining to their admissions application and application decision; therefore, it is imperative that applicants provide a working email address on their application that will remain active throughout the entire application process. It is the responsibility of the applicant to confirm that they are receiving emails from The Graduate College, to check their email accounts often, and to read all communication sent from The Graduate College.

Decision Process

Applicants are encouraged to check the status of their application online in order to expedite the process of completing the application. After all admission requirements have been received by The Graduate College, the grade point average will be calculated and the departmental graduate admission committee will make an admission recommendation. Final admission decisions are made by the dean of The Graduate College, and The Graduate College will notify the applicant of the admission decision. Applicants will receive an email notification when admitted to a program. Students who have been admitted into a degree program and do not enroll for the term of acceptance are not guaranteed acceptance for future terms.

Decision Timeline

Admission decisions for programs admitting on a "rolling" basis will follow within 4-6 weeks from the time all application materials have been received by The Graduate College. If the program has a firm deadline, the admissions committee may wait until after the program deadline has passed to review eligible applications. The number of applicants for a particular program influences the response time.

Admissions Appeal

Applicants may submit an admission appeal to the dean of The Graduate College for a denial decision within three weeks of the date of the decision. An appeal form for the graduate dean is available on The Graduate College's website. (http://www.gradcollege.txstate.edu) The written appeal should include additional supporting documentation. Admission appeals will be answered via email within three weeks of receipt of the applicant's appeal.

Application Deadlines

Deadlines represent the last date an application will be guaranteed to be considered for admission. Many programs strictly enforce the published deadlines and applications received after the deadline will not be considered for admission. However, other programs will review applications for domestic applicants received after the published deadline dates on a space-available basis only. For more information about specific program deadline types and dates, visit the program's admissions page on our website.

All required application materials should be submitted to The Graduate College no later than the following standard deadline dates (though some programs may have earlier deadlines and others may continue to receive applications after these deadlines) to ensure admissions consideration for the desired term:

U.S. Citizen Deadlines

Semester	Deadline
Fall Term	June 15
Spring Term	October 15
Summer	April 15
Summer Midterm	June 1

International Student Deadlines

No international student applications will be processed after the published deadlines.

Semester	Deadline
Fall Term	June 1
Spring Term	October 1
Summer	March 15
Summer Midterm	No admission

Master's and Doctoral Degree-Seeking Applicants

Admission Requirements for U.S. Citizens

Each program's catalog or web page details the specific admission requirements for applicable semester of entry during the current academic year. Submission instruction, additional details, and changes to admission requirements for semester other than the current academic year can be found on The Graduate College's website. (http://www.gradcollege.txstate.edu)

Admission Requirements for International Applicants

An international applicant is defined as anyone who is not a United States citizen. All international applicants fall under regulations of the United States Department of Homeland Security: federal law governs university rules regarding non-U.S. citizens; hence, admission requirements for international applicants differ from those for U.S. citizens.

In addition to meeting the application requirements found on each program's catalog or web page, international applicants or applicants with international credentials must submit:

- $90 non-refundable application fee.
- official transcripts from every institution attended: one in the native language and one certified English translation (if transcripts are issued in a language other than English)
- a copy of the graduation/degree certificate (diploma) showing the type of degree and the date in which the degree was earned.
- official English proficiency exams scores

Refer to the International Admission Documents section of this catalog or the international applicant web pages for more information about these requirements.

F-1 Visa Enrollment Requirements

A student under an F-1 student visa must be enrolled full-time (nine hours) in the fall and spring terms. An F-1 student does not have to enroll during the summer if the student is eligible and intends to register for the next term. A new initial F-1 student who has been admitted for the summer semester must enroll full-time for that summer session. Also, international students not holding an assistantship can be enrolled in fewer than 9 hours and be considered full-time under two conditions: a) if they have completed all course work and are completing an internship integral to their degree program, b) if they have completed all course requirements and are working on their thesis/dissertation only. The exception under a) can be granted for one semester only. The exception under b) can be granted for multiple semesters provided the student makes progress on the thesis/dissertation. Please contact the International Office at 512-245-7966 for more information.

Regular Admission Requirements

Regular degree-seeking admission, for most programs, may be granted if applicants:

1. have a minimum* grade-point average (GPA) of 2.75 on a 4.0 scale calculated on:
   a. the last 60 semester hours of undergraduate work before the bachelor's degree at an accredited four-year institution,
   b. the last 60 semester hours of undergraduate work before the bachelor's degree taken at an accredited four-year institution plus any completed graduate course work taken at an accredited institution, or,
   c. the last 60 semester hours of undergraduate work, including those on a second baccalaureate degree. (This is the only circumstance in which undergraduate credit hours taken beyond the first baccalaureate degree are used in admission evaluation.)
2. **and** meets program specific requirements as designated on the program's catalog or web page.

Only courses with letter grades or numerical equivalents will be used in calculating the grade-point average.

* Some graduate programs have higher GPA requirements and/or subject-specific GPA requirements. These requirements are detailed on each program's catalog or web page.

Conditional Admission Status

The graduate advisor may recommend to the dean of The Graduate College that students be conditionally admitted even though they may not meet the minimum requirements for admission. This recommendation is based on evidence that an applicant can successfully pursue graduate study and governed by the stated admission policies in the prospective program. Conditional admission is not available for all programs.

When students are conditionally admitted to a graduate degree program, the graduate advisor, with the approval of the dean of The Graduate College, will impose certain requirements, or "conditions of admission". Each term, the graduate advisor or department chair will review the progress of students admitted conditionally. When students meet the conditions of their admission, they will be eligible for regular admission to the program. When students do not satisfy the conditions of their admission, they will be dismissed from the program. Appeals may be submitted to the dean of The Graduate College and reviewed by both the departmental graduate admission committee and dean of The Graduate College. Decisions made by the dean of The Graduate College are considered final.

Graduating Senior Admission Requirements

Undergraduate students at Texas State who have superior academic records and lack 12 or fewer semester hours toward graduation may apply for graduate admission to a degree-seeking program during the final term of undergraduate study. Graduate course(s) taken under this status will be applied to the student's prospective master's degree. The following requirements must be met:

1. The student must be admitted with regular admission status.
2. The graduate advisor in the student's proposed major program must submit a recommendation to the dean of The Graduate College requesting that the student be admitted into the proposed major program of study as a graduating senior.

Since concurrent registration in an undergraduate and graduate program may affect financial aid awards, students should contact a financial aid officer prior to seeking graduating senior status.

Non-Degree-Seeking Applicants

Applicants who would like to take graduate courses for personal enrichment or to fulfill prerequisites for another program can take course(s) as a non-degree-seeking student. Non-degree-seeking students are not pursuing any of The Graduate College's degree programs.

Admission Requirements for U.S. Citizens

The items listed below are required for admission consideration for semesters of entry during the 2018-2019 academic year (Fall 2018, Spring 2019, and/or Summer I and II 2019). For submission instructions, additional details and admission requirements for semesters beyond 2018-2019 (if applicable), please visit The Graduate College website (http://www.gradcollege.txstate.edu).

- completed officially designated online application
- $10 nonrefundable application fee
- $50 nonrefundable international credential fee (if applicable)
- a baccalaureate degree from a regionally accredited university
- official transcripts required from the institution that shows the highest degree earned
- completed non-degree-seeking student form

Admission Requirements for International Applicants

An international applicant is defined as an applicant who is not a citizen or permanent resident of the United States. All international applicants fall under regulations of the United States Department of Homeland Security. Federal law governs university rules regarding non-U.S. citizens; hence, admission requirements for international applicants, including permanent residents, differ from those for U.S. citizens.

The following items, in addition to those listed above, are required for admission consideration for semesters of entry during the 2018-2019 academic year (Fall 2018, Spring 2019, and/or Summer I 2019).

1. $50 nonrefundable international credential fee. (The application fee is $10 plus the $50 international credential fee for a total application fee of $60.)
2. official transcripts from every institution attended: one in the native language and one certified English translation (if transcripts are issued in a language other than English).
3. a copy of the graduation/degree certificate (diploma) showing the type of degree and the date in which the degree was earned.
4. official English proficiency exams scores.
5. non-degree graduate study approval form (for F-1/J-1 visa applicants).

F-1 Visa Enrollment Requirements

A student under an F-1 student visa must be enrolled full-time (nine hours) in the fall and spring terms. An F-1 student does not have to enroll during the summer if the student is eligible and intends to register for the next term. A new initial F-1 student who recently gained admission into the U.S. with a program start date set to begin with the summer session must enroll full-time for that summer session. Also, international students not holding an assistantship can be enrolled in fewer than 9 hours and be considered full-time under two conditions: a) if they have completed all course work and are completed an internship integral to their degree program, b) if they have completed all course requirements and are working on their thesis/dissertation only. The exception under a) can be granted for one semester only, the exception under b) can be granted for multiple semesters provided the student makes progress on the thesis/dissertation. Please contact the International Office at 512-245-7966 for more information.

Visiting/Exchange Applicants

Students currently pursuing graduate degrees at another institution may enroll in graduate courses at Texas State with the permission of the dean of The Graduate College and the graduate advisor of the Texas State academic program, and the student's primary institution. Visiting students are taking courses at Texas State to transfer credit back to their graduate-degree-granting institution and are not eligible for financial aid or certain veteran benefits.

Admission Requirements for U.S. Citizens

The items listed below are required for admission consideration:

- completed online application
- $20 nonrefundable application fee OR
- $60 nonrefundable application fee for applications with international credentials
- visiting student form requiring:
  - approval to take the course from the primary institution, or the institution granting the degree
  - approval from the graduate advisor or department chair in the program/department offering the course at Texas State

Visiting students should return the form signed by all appropriate parties for the dean of The Graduate College to approve at least two weeks prior to registration. The form must be completed prior to enrollment each term students wish to enroll as visiting students.

Admission requirements for International Applicants

An international applicant is defined as anyone who is not a United State citizen. All international applicants fall under regulation of the United States Department of Homeland Security. Federal law governs university

rules regarding non-U.S. citizens; hence, admission requirements for international applicants differ from those for U.S. citizens.

The following items, in addition to those listed above, are required for admission consideration for international applicants or applicants with international credentials:

International Visiting Applicants

- official English proficiency exams scores

International Exchange Students

- the application fee is waived
- official English proficiency exams scores **or** the completed English Proficiency Waiver Form for Graduate Exchange Students

Refer to the International Admission Documents section of this catalog or the international applicant webpages for more information about these requirements. Immigration documents should be submitted to the International Office.

Texas State Certificate Program Applicants

Texas State offers a number of certificate programs. Applicants who hold baccalaureate degrees from regionally accredited institutions must apply through The Graduate College. All certificate course work must be completed within four years of initial enrollment.

Admission Requirements for U.S. Citizens

Each certificate program's catalog or web page details the specific admission requirements. Minimally, the following are required:

- completed online application
- $20 nonrefundable application fee OR
- $60 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted

Admission Requirements for International Applicants

An international applicant is defined as anyone who is not a United States citizen. All international applicants fall under regulations of the United States Department of Homeland Security. Federal law governs university rules regarding non-U.S. citizens; hence, admission requirements for international applicants differ from those for U.S. citizens.

In addition to meeting the application requirements found on each certificate's catalog or web page, international applicants or applicants with international credentials must submit:

- $60 nonrefundable application fee.
- official transcripts from every institution attended: one in the native language and one certified English translation (if transcripts are issued in a language other than English.
- a copy of the graduation/degree certificate (diploma) showing the type of degree and the date in which the degree was earned
- official English proficiency exams scores

Refer to the International Admission Documents section of this catalog or the international applicant web pages for more information about these requirements.

F-1 Visa Enrollment Requirements

A student under an F-1 student visa must be enrolled full-time (9 hours) in the fall and spring terms. An F-1 student does not have to enroll during the summer if the student is eligible and intends to register for the next term. A new initial F-1 student who has been admitted for the summer semester must enroll full time for that summer session. Please contact the International Office at 512-245-7966 for more information.

Certificate Course Work

Students must maintain a minimum GPA of 3.0 in order to receive a certificate of completion for the program. A final course grade of "C" or higher is required for any graduate course that may be applied towards a graduate certificate at Texas State. All certificate course work must be completed within four years of initial enrollment.

Students who are later admitted to a degree program can petition up to six hours of certificate course work to count toward the degree as long as the course work is graduate-level and completed with a grade of "B" or higher and has not been applied towards another graduate degree program.

Texas State Certificate of Completion

In order for students to receive their certificates, they must submit the graduation application (even though they are technically not "graduating" and are not eligible to participate in commencement) in the semester in which they plan to complete their certificate course requirements. Students in both a degree program and a certificate program who wish to apply for both programs at once must select both at the time the graduation application is submitted. Students who finish their certificate course requirements prior to their degrees can apply for the certificate of completion before they finish the degree.

It is the student's responsibility to ensure completion of all degree requirements as listed on the degree audit and required by the certificate program. It is also the student's responsibility to apply for graduation by the published deadline. Students who miss the graduation application deadline must apply for the certificate during the next semester.

Teacher Certification Applicants

The Educator Preparation Program (EPP) prepares candidates for numerous initial teacher certificates. The program produces teachers who are certified to teach in Texas public, charter, and private EC - 12 schools.

Post-baccalaureate students can earn initial teacher certification through the following options:

- alternative certification (stand-alone certificate)
- master's degree + certification
- second bachelor's degree program with teacher certification (see undergraduate catalog for admittance and program requirements)

Admission Requirements for U.S. Citizens

Stand-Alone Teacher Certification

The items listed below are required for admission consideration:

- completed online application
- $20 nonrefundable application fee OR
- $60 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcript from **each institution** where course credit was granted
- minimum 2.75 GPA on your last 60 hours of course work toward a degree
- content courses, and evidence of course work in reading, written communication, critical thinking, mathematics, and oral communication. Visit the program's web page (https://www.education.txstate.edu/oep) for more information.

Master's Degree + Certification Programs

Master's Program	Certification Program
Elementary Education	**4 - 8 English Language Arts/ Reading/Social Studies**
Elementary Education	**4 - 8 Science**
Elementary Education	**4 - 8 Math**
Elementary Education	**4 - 8 Generalist**
Elementary Education	**EC - 6 Core Subjects ESL**
Elementary Education	**EC - 6 Core Subjects Bilingual**
Elementary Education - Teacher Recruitment Program	**EC - 6 Core Subjects ESL**
Physical Education	**EC - 12 Physical Education**
Secondary Education	**See list of Secondary and All Level certificates**
Secondary Education - Teacher Recruitment Program (TRP)	**Contact TRP for available Secondary and All Level certificates**
Special Education	**EC - 12 Special Education**

Admission Requirements for International Applicants

An international applicant is defined as anyone who is not a United States citizen. All international applicants fall under regulations of the United States Department of Homeland Security. Federal law governs university rules regarding non-U.S. citizens; hence, admission requirements for international applicants differ from those for U.S. citizens.

The following items, in addition to those listed for U.S. citizens, are required for admission consideration. **These items apply to both stand-alone certifications and master's degree + certification programs.**

- official transcripts from every institution attended: one in the native language and one certified English translation (if transcripts are issued in a language other than English)
- a copy of the graduation/degree certificate (diploma) showing the type of degree and the date in which the degree was earned
- official (iBT) TOEFL scores with a minimum of 24 on the speaking, 22 for listening, 22 for reading, and 21 for writing. The Texas Education Agency (TEA) does not accept any other English proficiency exams.

Refer to the International Admission Documents section of this catalog or The Graduate College's website (http://www.gradcollege.txstate.edu) for more information about these requirements.

F-1 Visa Enrollment Requirements

A student under F-1 student visa must enroll full-time (nine hours) in the fall and spring terms. An F-1 student does not have to enroll during the summer if the student is eligible and intends to register for the next term. A new initial F-1 student who recently gained admission into the U.S. with a program start date set to begin with the summer session must enroll full-time for that summer session. Please contact the International Office at 512-245-7966 for more information.

Admittance Requirements for the Educator Preparation Program (EPP)

In addition to the above requirements, the State Board for Educator Certification (SBEC) and Texas State University require the following items:

- completed application to the Educator Preparation Program
- accepted offer of admittance and nonrefundable $35 fee
- completed application for a Certification Plan and nonrefundable $75 fee

Admittance requirements are subject to change in response to state law and university policy and do not adhere to a particular catalog year. Review the Office of Educator Preparation website (http://www.education.txstate.edu/oep) for current admittance information and processes.

Program Requirements*

Successful teaching requires a combination of both academic and interpersonal skills. Behaviors, skills, abilities, and dispositions which are required for successful teaching as well as the candidate's general level of readiness for teaching in EC - 12 classrooms are regularly assessed.

All candidates requesting placement in EC - 12 schools must complete a criminal background check. Each school district has its own background check process and requirements that must be met before the school district will approve a candidate's placement.

Course Work Requirements

Once admitted to the program, candidates must apply for a certification plan and pay a fee. Each certification has different course requirements that may vary according to a candidate's academic background. Up to six semester credit hours of graduate-level courses may be substituted or transferred with the approval of a program advisor. Candidates seeking secondary or all-level certification may be required to repeat or enroll in undergraduate courses to meet subject-specific content requirements.

Field Experience

A minimum of 30 clock hours of field experience observation is required; students must complete this requirement before student teaching either in a field block experience or as a stand-alone placement embedded in specific course work. Candidates must consult OEP and/or a program advisor before deciding how to fulfill this requirement.

Student Teaching

Student teaching is the state-required culminating experience of the teacher certification process. This is a one-semester (six credit hours), unpaid, full-time experience in a local public school classroom. However, some candidates with advance approval from a program advisor and the OEP may choose to pursue a year-long, paid internship. All course

work from the certification plan must be completed prior to the student teaching semester.

Teacher Certification Exams

The Texas Examination of Educational Standards (TExES) is the state required teacher examination for all Texas Educators. A candidate's certification area and level will determine which TExES tests are required. Candidates are allowed five attempts for each certification test and must request approval from the OEP for each attempt. Review the OEP website for the test approval process. Candidates are eligible for test approval up to 2 years after completing the program or until the exams expire.

Certification Recommendation

The certification officer will recommend candidates to the state for issuance of a teaching certification, after all of the following have been completed:

- passing scores on all of the required certification exams
- credit for student teaching or internship posted to the transcript
- bachelor's degree on file with the university
- completed application for certification through TEA

* Program requirements are subject to change in response to state law and university policy and do not adhere to a particular catalog year. Review the Office of Educator Preparation website (https://www.education.txstate.edu/oep) for current program requirements and processes.

Holders of Valid Out-of-State Certificates

The State Board for Educator Certification (SBEC) reviews out-of-state teacher certificates. Contact the SBEC at 888-863-5880.

Professional and Specialist Teacher Certification Applicants

Professional and specialist teacher certifications are available in: principal, counselor, superintendent, and reading specialist. To sit for the state exams, students must have a master's degree and teaching experience in Texas public schools. These programs are offered as stand-alone certifications (for those who already have a master's degree) or as part of a master's degree program (master's degree + certification). Refer to each individual departmental section of this catalog for specific information or visit The Graduate College's website (http://www.gradcollege.txstate.edu).

Admission Requirements for U.S. Citizens

Stand-Alone Certifications (Principal, Superintendent)

The items listed below are required for admission consideration:

- completed online application
- $20 nonrefundable application fee
  - or
- $60 nonrefundable application fee for applicants with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA on the last 60 hours of undergraduate course work toward a degree
- copy of official teaching certificate documenting initial teaching certification
- copy of official teaching service record documenting at least one year's teaching experience
- copy of official principal certificate* (for superintendent certification applicants only)

* The program will also accept the equivalent of a principal certificate issued by another state or country or the completion of the superintendent certificate application and approval from the Texas Education Agency (TEA) to substitute three years' managerial experience in lieu of a principal certificate.

Master's Degree + Certification Programs

Master's Program	Certification Program
Educational Leadership	**Principal**
Reading Education	**Reading Specialist**
Professional Counseling	**School Counseling**

Admission Requirements for International Applicants

An international applicant is defined as anyone who is not a United States citizen. All international applicants fall under regulations of the United States Department of Homeland Security. Federal law governs university rules regarding non-U.S. citizens; hence, admission requirements for international applicants differ from those for U.S. citizens.

The following items, in addition to those listed for U.S. citizens, are required for admission consideration. **These items apply only to the stand-alone certification programs.**

- official transcripts from every institution attended: on in the native language and one certified English translation (if transcripts are issued in a language other than English)
- a copy of the graduation/degree certificate (diploma) showing the type of degree and the date in which the degree was earned
- official (iBT) TOEFL scores of 78 or higher, with a minimum of 26 on the speaking section and a minimum of 19 in all other sections. The Texas Education Agency (TEA) does not accept any other English proficiency exams.

Refer to the International Admission Documents section of this catalog or The Graduate College's website (https://www.gradcollege.txstate.edu) for more information about these requirements.

F-1 Visa Enrollment Requirements

A student under F-1 student visa must be enrolled full-time (nine hours) in the fall and spring terms. An F-1 student does not have to enroll during the summer if they student is eligible and intends to register for the next term. A new initial F-1 student who recently gained admission into the U.S. with a program start date set to begin with the summer session must enroll full-time for that summer session. Also, international students not holding an assistantship can be enrolled in fewer than 9 hours and be considered full-time under two conditions: a) if they have completed all course work and are completed an internship integral to their degree program, b) if they have completed all course requirements and are working on their thesis/dissertation only. The exception under a) can be granted for one semester only, the exception under b) can be

granted for multiple semesters provided the student makes progress on the thesis/dissertation. Please contact the International Office at 512-245-7966 for more information.

Texas Certified Public Manager (CPM) Program

www.txstate.edu/cpm (http://www.txstate.edu/cpm)
Telephone: 512-245-3453 Fax: 512-331-7293

Texas State has been officially designated by the National Consortium of Certified Public Managers (CPM) to offer this program in Texas. The CPM Program offers a systematic training program to enhance the quality and efficiency of management in government and to improve professionalism and effectiveness of government managers. Individuals may enroll at any time during the year; programs are held approximately every two to three months depending on location. Admission to Texas State is not required. Courses may be completed for academic credit.

The CPM program is a nationally accredited comprehensive statewide management development program specifically for managers in federal, state, and local government and for managers in the not for profit sector. The program's primary goal is to improve the performance of public and not for profit sector managers and the organizational performance of state, local, and federal government. It is a comprehensive course of study by which public managers can acquire and apply the best practices and theory to their management behaviors and strategies using prescribed sets of professional standards. The curriculum uses theory as the foundation and applies it to practical problems facing the participant, their agency/department, and the citizens. Those who complete the program earn a national trademark designation of CPM (Certified Public Manager®).

The Texas CPM Program, a 7-course sequence which leads to a nationally accredited public manager certification, is offered by Texas State University's William P. Hobby Center for Public Service.

Reapplication Policy and Procedure

Applicants

Applicants wishing to change their application to a different term will be required to submit a new application and pay the non-refundable application fee.

Admitted Students

Students who are accepted into a degree program and fail to enroll for the term of acceptance are not guaranteed acceptance for future terms. In some programs students may contact The Graduate College about the possibility of a deferral for up to two terms only.

Once admitted, students are expected to enroll each fall and spring term (summer is optional). If students do not take classes in a spring or fall term, they need to reactivate their record.

Students must submit the update application form (http://www.gradcollege.txstate.edu/forms/update.html) in order to enroll if it has been less than a year since their last enrollment.

Any student failing to enroll within a one-year period will be required to submit a new admission application and non-refundable application fee. Other application documents may be required. Students should review additional enrollment requirements and policies that relate to their program of study. Please see the leave of absence policy in the Academic and Grading Policies section of this catalog for more information.

Applicants Seeking a Second Graduate Degree or Changing Majors

Students who wish to pursue a second simultaneous or subsequent graduate degree or change a major must submit an application for admission and all required admission documents as indicated on the program's catalog or web page. This procedure must be completed in ample time to meet the admission deadlines.

Admission to one program does not guarantee admission to another program. No courses applied toward one graduate degree may be applied toward another graduate degree.

Students on probation or suspension (p. 732) may not change programs without a recommendation and special request from the prospective department. The dean of The Graduate College will review the request and make the final decision.

Changing Certification/Certificate/ Non-Degree Status to Degree-Seeking Status

If a student was previously granted admission as a post-baccalaureate/ post-graduate student and wishes to apply for admission to a degree program, the student must submit an application for admission as well as the required admission documents as indicated on The Graduate College's website (http://www.gradcollege.txstate.edu). This procedure must be completed in ample time to meet the admission deadlines.

After students are regularly admitted to a graduate degree program, they may be permitted to count some of the courses taken under the post-baccalaureate or post-graduate status toward their graduate degrees. At the recommendation of the student's graduate advisor, up to six hours of graduate-level courses taken under the post-baccalaureate or post-graduate status with a grade of "B" or better may be petitioned to the dean of The Graduate College for degree credit.

Texas State Intensive English Language Program (TSIE)

Thornton International House
344 W. Woods Street
www.txstate.edu/ie (http://www.txstate.edu/ie)
T: 512-245-7810 F: 512-245-3752

The Texas State Intensive English (TSIE) Program offers non-credit and credit university intensive English-as-a-Second-Language (ESL) courses for students who:

- want to improve their command of the English language before/ during entering college or university-level programs of study;
- are international students participating in exchange through the Study Abroad Program, academic programs at both graduate and undergraduate levels or a visiting scholar program; or

- would like to polish their English language abilities for academic readiness, test preparation, self-improvement and/or cultural integration.

Beginning, intermediate, and advanced classes, emphasizing academic reading, writing, listening, speaking, and American Culture are offered during the fall, spring, and summer sessions.

Admission Documents

All admission materials must be submitted to The Graduate College through the appropriate channel and in the requested format. Materials submitted become the property of the university and cannot be released, except in accordance with the Federal Family Educational Rights and Privacy Act or the Texas Public Information Act. Non-required admission materials mailed or emailed to The Graduate College will not be retained, nor will documents submitted without the officially designated admission application. Submission instructions and information can be found on our website.

General Admission Documents

Submission Instructions

Additional details for the items below are located on The Graduate College's submission information web page.

Application

Applications for admission to The Graduate College must be submitted online through the officially designated admission application portal. Applications are for specific programs and specific semesters. Applicants wishing to change their application to a different semester or program will be required to submit a new application and pay the non-refundable application fee. See the Readmission Policy and Procedures section of this catalog for more information.

Application Fees

A non-refundable application fee of $55 is required for all degree-seeking applicants. Degree seeking applications with international credentials will incur a $90 application fee. A $20 non-refundable application fee is required for applicants seeking certification, certificate, non-degree, or visiting student status. Non degree-seeking applications with international credentials will incur a $60 application fee. In addition to the $55 application fee, a $25 non-refundable application fee is required for applicants to the doctor of physical therapy program. No application will be processed until the necessary fees are paid.

Official Transcripts

Applicants must submit official transcripts from each institution from where credit was received to The Graduate College prior to registration. Applicants may upload copies of all official transcripts directly to the application portal for application review purposes.

Applicants applying for a master's or doctoral degree must hold a four-year baccalaureate degree from a regionally accredited institution at minimum. The requirements for international transcripts can be found in the International Admission Documents section of the catalog.

Transcripts must be mailed directly from the university or college attended or submitted in a sealed university envelope with the University Registrar's signature on the back of the envelope in order to be considered "official". The transcript must reflect all college work attempted and any degree(s) conferred. Scanned or faxed copies of transcripts will not be considered official.Texas State students are not required to supply transcripts for course work completed at Texas State or transfer work found on their Texas State transcript.

Departmental Requirements

Additional admission requirements vary per program and are detailed on each program's catalog or web page.

Test Scores

Graduate Record Examination (GRE)

Some programs require official GRE scores to be on file with The Graduate College prior to admission consideration. Official GRE scores may be required by other programs if the GPA is below the minimum. Additional information can be found on each program's catalog or web page.

Applicants who must submit official GRE scores should take the general portion (verbal and quantitative sections) of the exam. The writing section is also required for some programs. Subject examinations are neither required nor accepted.

The GRE score is valid for five years after the exam date and must be sent directly from the testing center.

Scores requested by the student before the deadline, but received by The Graduate College after the deadline, will be considered late.

Graduate Management Admission Test (GMAT)

The GMAT is required to be on file with The Graduate College prior to admission consideration for some programs. Additional information can be found on each program's catalog or web page.

The GMAT scores are valid for five years after the exam date and must be sent directly from the testing center. Scores requested by the student before the deadline, but received by The Graduate College after the deadline, will be considered late.

English Proficiency Exam Scores

The Requirements for the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) can be found in the International Admission Documents section of this catalog.

Documentation of Meningitis Immunization

Universities in Texas are required by state law to collect proof of bacterial meningitis vaccination, or proof of an exemption, for incoming students under the age of 22. Magnus Health Student Medical Records (SMR) collects, reviews, and confirms students' bacterial meningitis vaccination information. For more information on this requirement, please visit the vaccine policy web page or contact Magnus Health SMR customer service via email (service@magnushealthportal.com) or at 877-461-4831.

International Admission Documents

In addition to all general admission requirements, applicants with international credentials (including any study abroad or exchange course work) or English proficiency exam scores, may be required to submit the following requirements for admission consideration.

Application Fee for Applications with International Credentials

Applicants with documents that require the review of any non-U.S. credentials (including any courses taken through a study abroad or exchange program) or English proficiency exam scores must submit a nonrefundable application fee of $90. No application will be considered until the necessary fees have been paid.

Official Transcripts/Marks Sheets

The Graduate College requires two official, university-sealed transcripts from every university attended: one in the native language of the university and one certified translation into English (only when the native language transcripts of the university are issued in English). Transcript evaluations are not required. Academic records (transcripts and mark sheets) must be submitted directly to The Graduate College by post in an envelope sealed by the university recognized by the appropriate bodies of that country and must include official stamps, seals, and/or signatures from the university's Registrar or Controller of Examinations. These documents must be printed on university letterhead in order to be considered official. Copies of official transcripts and mark sheets may be uploaded to the application portal for application review purposes.

Graduation/Degree Certificate (Diploma)

The Graduate College requires two copies of official diplomas or degree certificates: one in the native language of the university and one certified translation into English. Certificates must include the type of degree earned and the date the degree was awarded, as well as all official stamps. seals, and/or signatures from the university's Registrar or Controller of Examinations Office.

Official English Proficiency Exam Scores

Fluency in English is expected of all accepted students, specifically in the areas of listening, reading, speaking, and writing; therefore, English proficiency exam scores through the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) are required of all applicants if English is not their native language or if they are not eligible for an automatic TOEFL/IELTS waiver.

ALL TOEFL or IELTS scores submitted for admission consideration must be less than two years old as both Educational Testing Services (ETS) and International English Language Testing System (IELTS) will not maintain or release official score records beyond this time. ALL TOEFL or IELTS scores must be submitted to The Graduate College by ETS or IELTS directly; score reports bearing the designation of "applicant copy" or "institutional scores" will not be considered official for admission purposes. Scores requested by the student before the deadline, but received by The Graduate College after the deadline, will be considered late.

English-Proficiency Admission Requirements

Applicants must submit a TOEFL internet-based test (iBT) score of at least 78 overall or an IELTS (academic) test score of at least 6.5 overall with 6.0 in each individual module scores in order to be considered for regular admission based on English proficiency*. (Only students currently enrolled in the Texas State Intensive English (TSIE) Bridge Program (see below) may submit a TOEFL paper-based test score of at least 550 for regular admission.) Some programs may require a higher overall score or 4 out of 4 minimum individual iBT section scores in order to be considered for regular admission. Additionally, some programs may require that applicants submit scores for one specific type of test. These requirements are listed on each program's catalog or web page.

* Regular admission based on English proficiency does not guarantee regular academic admission.

Bridge Admission Requirements

In conjunction with the Texas State Intensive English (TSIE) Bridge Program, certain programs may allow English-based conditional admission. Bridge admission is a special opportunity for students to work on their English for one year while their place is held in their academic program. Students may not enroll in graduate courses until after the English requirement has been satisfied. “Bridge Admission” requires a TOEFL internet-based overall score 59 - 77 or an IELTS (academic) overall score of 5.5 - 6.0 with minimum individual module scores of at least 5.5. Please note that some programs may require 4 out of 4 minimum individual iBT section scores in order to be considered for English-based conditional admission. As long as students meet the minimum requirements for regular admission within one year, their spot in the academic program will be held. Unfortunately, students who do not meet requirements within one year will not be able to continue in the academic program.

Immigration Documents

All immigration-related documents will be collected by the International Office. Visit the International Office web site for more information or contact the office directly via 512-245-7966 or international@txstate.edu.

Registration and Course Credit

Since applications are for specific semester or terms, applicants should notify The Graduate College as soon as possible if they will not be enrolling for the semester of admission.

Texas State uses an online registration system referred to as Texas State Self-Service which requires admission to the university and an associated NetID and password. Texas State Self-Service can be accessed through *CatsWeb* (http://www.catsweb.txstate.edu). It provides step-by-step instructions on how to register online and information on how to search for courses. For more information, students should access the University Registrar’s website at http://www.registrar.txstate.edu.

Registration Termination

Registration in The Graduate College beyond the first term depends on satisfactory progress in fulfilling any admission conditions that may have been imposed and making satisfactory progress.

The dean of The Graduate College may terminate the registration of any student who fails to comply with Graduate College and/or other appropriate university regulations.

Course Load and Overloads

Course Load

At the graduate level, the full-time course load during the fall, spring, and summer is nine semester hours. Seven hours is considered ¾ time and five hours is half-time. Students may take up to 15 hours during the fall and spring terms and up to 12 hours during the summer.

An international student not holding an assistantship can be enrolled in fewer than 9 hours and be considered full-time under two conditions: a) if they have completed all course work and are completing an internship

integral to their degree program, b) if they have completed all course requirements and are working on their thesis/dissertation only. The exception under a) can be granted for one semester only, the exception under b) can be granted for multiple semesters provided the student makes progress on the thesis/dissertation.

The department or operating unit will determine the permissible course load of employees of the university under their supervision. Graduate assistants should refer to the *Salaried Graduate Student Employment Procedures* outlined in UPPS 07.07.06.

A student receiving Veterans Affairs (VA) benefits must check with the VA office (512-245-2641) for enrollment requirements.

Overloads

Course loads up to 18 hours require written approval from the dean of The Graduate College. To request an overload, the student must make a request to the major department advisor who must submit a written request to the dean of The Graduate College at least three days before registration.

Credit Hour

For purposes of this catalog and in accord with federal regulations regarding the definition and assignment of credit hours under section 600.0 and 600.24(f) of the Higher Education Opportunity Act, a credit hour is an amount of work that reasonably approximates:

- not less than one hour of classroom or direct faculty instruction and a minimum of two hours out of class student work each week for approximately 15 weeks for one semester or trimester hour of credit, or 10 to 12 weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time;
- at least an equivalent amount of work as outlined in the item above for other academic activities as established by the institution including laboratory work, internships, practicum, studio work, and other academic work leading to the award of credit hours.

A semester credit hour is defined by Texas Higher Education Coordinating Board as a unit of measure of instruction consisting of 60 minutes, of which 50 minutes must be direct instruction over a 15-week period in a semester system. Credit hours must be presented in whole numbers. Academic administrative units are responsible for ensuring that credit hours are awarded only for work that meets this requirement. Students should expect to invest a minimum of two hours of additional work for each hour of classroom or faculty instruction per week.

Adds and Drops/Schedule Changes

Information regarding schedule changes can be found on the University Registrar's website at http://www.registrar.txstate.edu/. Schedule changes and withdrawal dates are published each term in the official university calendar that can be found at: http://www.registrar.txstate.edu/persistent-links/academic-calendar.html.

For assistance, contact the office of the University Registrar.

Auditing a Course

To audit a course, a student must be admitted to The Graduate College. After the student has registered on *CatsWeb*, he or she must contact the office of the University Registrar in person by the 4th class day in the summer or by the 12th class day in the fall or spring. Check the University Academic Calendar for the exact date. A student will pay the same fees as if the course were taken for credit and the course will be entered on his or her transcript record, but the student will not receive credit for the course.

Senior citizens, 65 or older, may audit courses without payment of a fee if space is available. Registration is permitted just prior to the start of the term, with reductions made by the tuition adjustment clerk, Student Business Services (JC Kellam Administration Building 188), after registering.

Course Numbers

Texas State follows a four-digit numbering system. The first digit indicates the level of the course: 1-freshman, 2-sophomore, 3-junior, 4-senior, 5- and 6-graduate and post-graduate, and 7-doctoral. Courses numbered 5000-6000 are open to all graduate students. Courses numbered 7000 are designed for doctoral students but may be open to other graduate students. The second digit of the course number indicates the semester credit hours the course carries. For example, a course numbered 5300 would carry three semester hours of graduate-level credit. The last two digits usually indicate the location of the course in the department's curriculum. The letter (A, B, C, etc.) at the end of a course number usually indicates a topics course whose content may vary from semester to semester. Numbers in parentheses (3-4) following a course title indicate the clock hours per week spent in lecture and laboratory, respectively.

Dropping a Class

Dropping a class is an official action whereby a student drops one or more courses, yet remains enrolled in at least one hour. Refer to the registration instructions at http://www.registrar.txstate.edu for details on dropping a class.

1. The drop deadline is the first 60 percent of the term. Please refer to the academic calendar on the University Registrar's website for the most current dates.
2. A "W" grade will be assigned automatically when a student drops one or more classes by the automatic "W" deadline, the first 60 percent of the term.

Withdrawal

Withdrawing from the university (dropping all classes) is an official action whereby a student informs the University Registrar, who in turn informs the instructor(s) of record, that the student will cease attending all classes in which he or she is enrolled.

1. The deadline to receive an automatic "W" is the first 60 percent of the term. Refer to the academic calendar on the University Registrar's website for the most current dates.
2. After the automatic "W" period, faculty assign grades to students who officially withdraw from the university. Faculty assign a "W" grade only to those students who have a passing average at the time the withdrawal action is officially completed. Otherwise, faculty assigns a "U" grade.
3. Please refer to the academic calendar on the University Registrar's website for the withdrawal deadline.

The student must contact the office of the University Registrar in person, by letter, by email, or by fax to withdraw officially from the university. Visit the registrar's office website at http://www.registrar.txstate.edu/ or contact the registrar's office at 512.245.2367 for the proper procedures.

Students living in university residence halls must also contact the Department of Housing and Residential Life in person, by letter, or by fax.

Course Credit

Course Credit and Level

A student must be in attendance in class, fulfill the course requirements, and be evaluated by the course instructor in order to receive course credit for that class. The attendance requirement to receive class credit does not affect enrollment for thesis or independent study.

A student must be enrolled in the course during the term or summer session in which he or she receives credit for that class. A student may not enroll in a class to:

1. Receive credit for course work performed in a preceding term or summer session.
2. Receive credit for work performed at another college or university.

Course Level

All courses required for the graduate degrees offered at Texas State are at the 5000-level or above. Courses required for the doctoral level are at the 7000-level.

Repeating Courses

A student may repeat a course but cannot receive credit for the course more than once unless the course description in the catalog specifically provides that the course may be repeated for credit. When a course is taken more than once, the second grade (first repeat) and all subsequent grades (repeats) are included in computing the Texas State hours attempted, grade points earned, and GPA. “W”, "PR", and “I” grades are excluded. If a course taken at Texas State University is to be repeated, it must be retaken at Texas State University.

Post-Graduate Credit

After a student is regularly admitted to a graduate degree program, they may be permitted to utilize some of the courses taken as a post-graduate, teacher certification, non-degree, or certificate student toward their graduate degree. At the recommendation of the student’s graduate advisor and with approval of the dean of The Graduate College, up to six hours of graduate-level courses taken under the post-graduate status with a grade of “B” or better may be petitioned for degree credit.

Transfer Credit

After a student is regularly admitted to a graduate degree program, they may be permitted to utilize some graduate level courses taken at another institution toward their graduate degree program. Acceptable transfer credit may be applied to a graduate degree program as follows:

- up to 6 hours for degree programs with 30-35 credit hours,
- up to 9 hours for degree programs with 36-41 credit hours, and
- up to 12 hours for degree programs with 42+ hours.

An exception to the standard maximums are the mathematics education doctoral program. The mathematics education doctoral program requires completion of 78 semester hours of course work for students admitted with a bachelor’s degree. Students entering with a master’s degree in mathematics can request up to 24 credit hours of transfer course work to be approved by the dean of The Graduate College upon recommendation from the Ph.D. program director. Transfer credit will be accepted and applied upon confirmation of the following requirements:

1. The credit was earned in graduate courses completed in residence at a regionally accredited institution.
2. The courses are at the appropriate level and applicable to the student’s degree program at Texas State.
3. Courses have not been, and will not be, used for credit toward another degree program.
4. If the credits were earned **prior** to the student’s admission to his or her degree program within The Graduate College, the student must have his or her program graduate advisor submit a written request to the dean of The Graduate College asking for acceptance of the transfer work toward the student’s Texas State degree program.
5. If the credits are to be earned **after** the student is admitted to The Graduate College or enrolled in a graduate degree program, the student must initiate a request for a letter of good standing well in advance of the time of anticipated enrollment at another university. Transfer credit **cannot** be permitted if the student fails to obtain a letter of good standing from the dean of The Graduate College prior to enrollment in the course(s) to be transferred. In order to obtain a letter of good standing, the student will need to:
   a. Receive permission from the departmental graduate advisor to take a course elsewhere.
   b. Have the graduate advisor submit a written request to the dean of The Graduate College so that the dean can issue an official letter of good standing. The request from the advisor should identify the course(s) by name and number and should state what term(s) and where the course(s) will be taken. If the dean of The Graduate College approves the request, a letter of good standing will be sent by the dean of The Graduate College to the university where the student will enroll.
   c. Have an official transcript of the work forwarded to The Graduate College at Texas State as soon as the grade(s) posts to the transcript at the other institution.

Transfer work will be accepted only if it bears a letter grade of “B” or higher, or a numerical equivalent. A grade of “Credit,” “Pass,” "Satisfactory," etc., is unacceptable. Transfer work will not be accepted for graduate degree credit from another institution if such courses are designated as non-degree, background, preparatory, etc. No credit will be awarded until an official transcript showing the course work to be transferred is on file in The Graduate College. The student may also be requested to provide a catalog from the transferring university that gives course descriptions for any transfer work requested. Students admitted on “Conditional Admission” or students on “Probation/Suspension” will not receive credit for transfer work taken under the aforementioned status. The dean of The Graduate College determines the applicability of transferred credit toward a graduate degree program at Texas State based on the recommendation of the program's graduate advisor. Applicability of transferred credit is made on a course-by-course basis. Students may appeal courses deemed non-transferrable. The dean of The Graduate College, or designee, and graduate advisor review student appeals for re-evaluation of transferred credit.

Transcripts for Transfer Work

Texas State transcripts will separate transfer course work from Texas State course work. On the transcript, transfer work will be listed first, followed by Texas State course work. In each section, course work will be listed chronologically. The transcript will show the number of hours

transferred, Texas State hours attempted, Texas State hours passed, Texas State grade points, and Texas State GPA.

Courses taken at other institutions will not be included in the GPA at Texas State. The Texas State GPA will be the only GPA calculated toward graduation.

Background Course Work

Courses taken at another institution to fulfill background requirements at Texas State will be accepted only if such courses are at the same level as those specified on the official degree audit.

Distance and Extended Learning

Continuing Education

With a wide range of learning opportunities, the Office of Distance and Extended Learning offers Continuing Education opportunities that extend the resources of Texas State and contribute to the professional and economic development of Texas. Enrollment is open to all interested persons on a non-credit hour basis; therefore, the courses are not offered through The Graduate College and do not apply toward a graduate degree, nor are they considered for regular admission. For information about continuing education programs go to http://www.txstate.edu/continuinged/.

Extended and Distance Learning

The university offers many courses and programs via distance learning and extended hours on evenings and weekends at the San Marcos and Round Rock campuses.

All graduate courses and programs offered to distance learners carry the same course number, title, and description as those offered at the San Marcos and Round Rock campuses.

For F-1 international students, no more than the equivalent of one class or three credits per term may be counted toward the full course of study requirement if the class is taken online or through distance education and does not require the student's physical attendance for classes, examination, or other purposes integral to completion of the class.

Courses offered at a distance are identified each term in the Texas State Schedule of Classes and on CatsWeb. For more information on extended and distance learning at Texas State, visit http://www.distancelearning.txstate.edu.

Extension Courses

The Office of Distance and Extended Learning offers many college courses not normally offered through the academic departments/schools. Extension courses may be offered on campus, online, hybrid/blended, or as part of a faculty-led Study-in-America or Off-Campus program. The times and locations for such courses depend on student need, faculty availability, and demand. Enrollment for an extension class is completed through the Office of Distance and Extended Learning and does not constitute acceptance as a regular student at Texas State.

Degree Credit for Extension Course Work

The department chair and the dean of The Graduate College must approve extension work for it to be credited toward a graduate degree. Students must meet the admission requirements as identified under the "Master's and Doctoral Degree-Seeking Applicants" section and be accepted in a degree program before extension work can receive degree credit. **Extension course work cannot be used toward a doctoral degree at Texas State.**

A maximum of 12 semester hours of graduate credit may be earned in extension courses offered by Texas State.

Extension Transfer Credit

Up to three semester hours of the total allowable six hours of transfer credit for a degree may be earned through extension courses from another accredited institution. Students admitted on "Conditional Admission" or students on "Probation/Suspension" will not receive credit for transfer work taken under the aforementioned status.

For more information on Extension Studies at Texas State, visit our website at http://www.extension.txstate.edu/.

Academic and Grading Policies

Class Attendance

It is the policy of the university to required regular, punctual attendance at all classes. However, the university recognizes that attendance policies may vary from department to department and in course to course. The university has no mandatory class attendance requirements except:

1. Each faculty member will inform students of the course attendance policy at the initial class meeting.
2. Students are responsible for understanding the attendance policy for each course in which they enroll and for meeting the attendance requirements.

Religious Holy Days

"Religious holy day" means a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20, Tax Code. In accordance with Texas Education Code Section 51.911, Texas State will allow a student who is absent from classes for the observance of a religious holy day to take an examination or complete an assignment scheduled for that absent day within a reasonable time after the absence if the student notifies the instructor of each class that they would be absent for a religious holy day. The Education Code includes excused absences for travel to and from the religious holy day observance. The student may make up class assignments or examinations without penalty within a reasonable time after the absence. Students may obtain notification forms from the Dean of Students' Office. The student should personally deliver completed forms to the instructor for each class. The instructor will sign and date the form, thus acknowledging notification. If the student cannot personally deliver the form to an instructor, the student should mail the form to the instructor by certified mail, return receipt requested. A student who is excused under this section shall not be penalized for the absence, but the instructor may appropriately respond if the student fails to satisfactorily complete the assignment or examination within a reasonable time. Each instructor may establish additional procedures to accommodate the needs of students who are absent from classes to observe a religious holy day. These procedures must not conflict with the state law.

Coordinating Board rules now provide for an appeal of a disagreement between the student and a faculty member over an absence related to a religious holy day. If a student and an instructor disagree about the nature of the absence being for the observance of a religious holy day, or if there is a disagreement about whether the student has been given a reasonable time to complete any missed assignments or examinations, either the student or the instructor may request a ruling from the

president or the president's designee. The president or the president's designee must take into account the legislative intent of Education Code Section 51.911. The student and instructor shall abide by the decision of the president or the president's designee. The academic dean of each college serves as the president's designee to hear requests for decisions on these matters from either the faculty member or the student. Any questions concerning this policy should be directed to the Office of the Dean of Students.

Course Grades

Grades

Texas State grades are assigned as follows "A," excellent; "B," good; "C," passing **(not at the doctoral level);** "D," passing **(not at the graduate level);** "F," failure; "I," incomplete; "U," unearned "F"; and "W," withdrawn passing. A grade of "PR," in most instances may be temporary and non-punitive, but may be assigned in selected courses where the required clock hours needed to complete requirements extend beyond the regular term or summer session. A grade of "CR" is assessed when credit only is given for a course, as in the case of the thesis course, after completion of the thesis. For a complete list of grades currently and previously used at Texas State visit the University Registrar's website at http://www.registrar.txstate.edu/our-services/grades.html

Incomplete Grade (http://www.registrar.txstate.edu/our-services/grades.html)

If any course work is incomplete during any term, the work must be completed by an indicated deadline arranged between the student and the course instructor. The "I" grade may be assigned when, due to unusual circumstances beyond the student's control, a significant portion of a course, such as a term paper or final examination, has not been completed. An "I" grade from Texas State will not count as hours completed until another grade is substituted for the "I." After incomplete deadline date the "I" grade will automatically change to "F."

Withdrawal Grade

A "W" grade is assigned only if a student drops a course by the published deadline. See also "Registration and Course Credit" section under "Withdrawal".

Change of Grade

An individual course grade may be changed when the involved faculty member certifies to the Office of the University Registrar that an error was made in computing the original grade. The grade change must be approved by the department chair/school director and the appropriate college dean. Students who wish to protest a grade earned in a course should first discuss the grade with the instructor. If no resolution is reached, the student may appeal the grade to the department chair. If no satisfactory conclusion can be reached at this level, the student may appeal to the college dean in which the course is offered, whose decision is final. In accordance with Texas State's records retention policies, a student appeal for a change of grade must be filed no later than two years after the grade is issued.

Grade Point Average (Four-Point System)

The GPA is the number of grade points earned divided by the number of semester hours attempted. Term grade symbols have the following values:

A = 4 points
B = 3 points
C = 2 points
D = 1 point
U/F = 0 points

Grades are not calculated for "I," "CR," "PR," or "W."

Doctoral Leave of Absence Policy

To Whom the Policy Applies

Doctoral students who have achieved candidacy, and thus have a continuous enrollment requirement during long (fall and spring) semesters, may take an approved Leave of Absence during graduate study under certain conditions and for certain periods of time. A Leave of Absence must be approved by both the student's graduate advisor and the dean of The Graduate College. A Leave of Absence cannot be approved retroactively for a previous semester and must be submitted no later than the 12th class day of the semester for which the leave is being requested.

Pre-candidacy doctoral students and master's students are not required to complete Leave of Absence paperwork if stopping out; however, it is recommended that they do so as the process provides a vehicle for more easily resuming their studies.

Purpose and Limitations

Students may need to discontinue their studies ("stop out") for a short period of time for reasons of personal or family exigency. Students who do not receive an approved Leave of Absence may be denied readmission to their program when attempting to reenter the program. Students who do not receive an approved Leave of Absence but are still readmitted may experience delays in registration and/or face additional fees. An approved Leave of Absence preserves the student's status in their degree program. Leaves of Absence may not be granted for the student in order to avoid exceeding the state doctoral hour limit, to avoid paying tuition, to avoid the regulation on continuous enrollment of doctoral students, or to avoid the full-time requirement for international students.

Access to University Resources During a Leave of Absence

Because the Leave of Absence is intended to be taken for reasons of personal or other exigency as opposed to degree progress, there is no support — whether faculty or university resources (library, office space, etc.) — provided to the student during the Leave of Absence period; students must register if making use of university resources or faculty time. A Leave of Absence does not extend a student's time-to-degree requirement. Discontinuing students for a semester or more, with or without a Leave of Absence, may affect the student's eligibility for other university areas beyond The Graduate College's domain (such as financial aid, health insurance, etc.), and the student is responsible for consulting with those offices about the impact of not maintaining enrollment in the degree program.

Length Limitations of a Leave of Absence

A Leave of Absence can be granted for no more than three long semesters (fall and spring) total. The exact length of the Leave must be made explicit in the Leave of Absence request. Rationale for the Leave must be documented by the applicant.

Process for Requesting a Leave of Absence

Doctoral students who have advanced to candidacy must fill out the Doctoral Candidate Leave of Absence form, found here http://www.gradcollege.txstate.edu/docs/doctoral-leave-of-absence.pdf, which will require justification from the appropriate graduate advisor. The form must be submitted to The Graduate College for the dean's review and approval.

Process for Returning to the University after an Approved Leave of Absence

Upon resuming graduate studies after a semester of non-enrollment, all students must submit reentry paperwork, regardless of whether or not an approved Leave of Absence form is on file. If the student is returning after an absence of less than one calendar year, only the Update Application form is required. If the student is returning to studies after an absence of over a calendar year, it is necessary to reapply to the program.

Depending on the length of time the student is away from the university, a new graduate catalog and/or program degree requirements may be in effect. With an approved Leave of Absence, the student may opt to complete their degree under the previous degree requirements or the new requirements with the approval of the graduate advisor; if the student was away from the university for a semester or more without an approved Leave of Absence on file, the student must complete their degree under the new degree requirements.

Leave of Absence Policy: Master's Degree, Specialist Degree, and Pre-Candidacy Doctoral Students

The university has a continuous enrollment policy for one category of graduate students, namely doctoral students who have achieved candidacy. For other categories of graduate students – pre-candidacy doctoral students, specialist degree students, and master's degree students – while there is an expectation of enrollment each semester in order to make progress toward the degree, there is no specific continuous enrollment requirement. For that reason, The Graduate College does not require notification if a student decides not to enroll in a given semester. However, students may want to inform their program that they are stopping out for a period of time, and programs may find that information useful in tracking student progress. In those cases, students may complete the *Leave of Absence Form for Master's Degree, Specialist Degree, and Pre-Candidacy Doctoral Students* form found here http://www.gradcollege.txstate.edu/docs/leave-of-absence-masters.pdf and provide it to their program. The program should then provide the form to The Graduate College to expedite processing readmit applications.

Process for Returning to the University after a Leave of Absence

Upon resuming graduate studies after a semester of non-enrollment, all students must submit reentry paperwork, regardless of whether or not a Leave of Absence form is on file. If the student is returning after an absence of less than one calendar year, only the Update Application form is required. If the student is returning to studies after an absence of over a calendar year, it is necessary to reapply to the program through ApplyTexas.

Honor Code

As members of a community dedicated to learning, inquiry, and creation, the students, faculty, and administration of our university live by the principles in this Honor Code. These principles require all members of this community to be conscientious, respectful, and honest.

We are Conscientious

We complete our work on time and make every effort to do it right. We come to class and meetings prepared and are willing to demonstrate it. We hold ourselves to doing what is required, embrace rigor, and shun mediocrity, special requests, and excuses.

We are Respectful

We act civilly toward one another and we cooperate with each other. We will strive to create an environment in which people respect and listen to one another, speaking when appropriate, and permitting other people to participate and express their views.

We are Honest

We do our own work and are honest with one another in all matters. We understand how various acts of dishonesty, like plagiarizing, falsifying data, and giving or receiving assistance to which one is not entitled, conflict as much with academic achievement as with the values of honesty and integrity.

The Pledge for Students

Students at our university recognize that, to ensure honest conduct, more is needed than an expectation of academic honesty, and we therefore adopt the practice of affixing the following pledge of honesty to the work we submit for evaluation:

"I pledge to uphold the principles of honesty and responsibility at our university."

The Pledge for Faculty and Administration

Faculty at our university recognize that the students have rights when accused of academic dishonesty and will inform the accused of their rights of appeal laid out in the student handbook and inform them of the process that will take place:

"I recognize students' rights and pledge to uphold the principles of honesty and responsibility at our university."

Addressing Acts of Dishonesty

Students accused of dishonest conduct may have their cases heard by the faculty member. The student may also appeal the faculty member's decision to the Honor Code Council. Students and faculty will have the option of having an advocate present to insure their rights. Possible actions that may be taken range from exoneration to expulsion. Information about the Honor Code Council and its policies and procedures may be found at http://www.txstate.edu/honorcodecouncil/.

Academic Information for Graduate Assistants (GA's)

A prospective graduate/doctoral assistant must be enrolled as a regular, degree-seeking student in The Graduate College. Graduate/doctoral assistants may be employed as teaching assistants, instructional

assistants, research assistants, or graduate assistants. The information below can also be found in UPPS 07.07.06.

Types of Graduate Assistantships

- **Graduate Teaching Assistants and Doctoral Teaching Assistants (GTA/DTA)** are employed by an academic department, paid from faculty salaries and reported as the "teacher of record" for an organized undergraduate class. Graduate teaching assistants and doctoral teaching assistants receive a faculty contract for a semester or the academic year, are paid on a monthly basis, and are exempt from The Fair Labor Standards Act (FLSA) under the learned professional exemption.
- **Graduate Instructional Assistants and Doctoral Instructional Assistants (GIA/DIA)** are employed by an academic department, paid from faculty salaries, but are not reported as the "teacher of record." Graduate instructional assistants and doctoral instructional assistants are responsible for a specific group of students (typically undergraduate students) and assign some portion of these same students' grades. If graduate students are assigned as instructional assistants in graduate courses, they cannot grade other students' work nor have access to their grades. In rare circumstances, the dean of The Graduate College will allow an exception for doctoral instructional assistants assigned to master's level classes, provided there is no conflict of interest. The academic department may pay graduate instructional assistants' salaries for those assisting in the operation of a lab or an activity or recitation group from course fees collected for this purpose. Graduate instructional assistants and doctoral instructional assistants are appointed for a semester or the academic year, paid on a monthly basis, and are exempt from the FLSA under the learned professional exemption.
- **Graduate Research Assistants and Doctoral Research Assistants (GRA/DRA)** are employed by a department or university office and may receive pay from grant or university funds. Chapter 10 of the US Department of Labor's Field Operation Handbook defines research assistants as students "engaged in research in the course of obtaining an advanced degree and the research is performed under the supervision of a member of the faculty in a research environment provided by the institution under a grant or contract." If employed on a grant, the work performed must directly relate to the objectives of the grant. Graduate research assistants and doctoral research assistants can be appointed for a semester, the academic year, or the duration of a research project or any portion thereof, and paid on a monthly basis. They are exempt from the FLSA under the graduate research exemption, as provided in the June 28, 1994 DOL opinion letter #1263.
- **Graduate Assistants and Doctoral Assistants (GA/DA)** are employed by a department or university office and may receive pay from grant or university funds. Responsibilities may include research (not under the supervision of a faculty member), technical assistance, and institutional support. To avoid conflicts of interests, graduate and doctoral assistants cannot have access to records of graduate students of their degree-granting department. Graduate assistants and doctoral assistants who have access to records must be Family Educational Rights and Privacy Act (FERPA) trained and sign a confidentiality agreement. Graduate /doctoral assistants are considered non-exempt and are not eligible for paid leave including holidays. Students who work over 40 hours in a week will be compensated at time and one-half.

Academic Expectations

All assistants must maintain a minimum 3.0 Texas State GPA in course work leading toward completion of a graduate degree.

Course Load

The minimum course load required during a fall/spring term of employment as a graduate assistant is nine graduate semester hours. Students who enrolled in nine graduate semester hours during the prior spring and fall semesters (or with an approved exception on file) are not required to enroll during the summer; otherwise enrollment in three graduate hours is required for the summer term. Assistants taking more than 12 graduate semester hours during the fall/spring terms must have approval from the dean of The Graduate College. Similarly, assistants taking more than six graduate semester hours per summer session must have approval from the dean of The Graduate College.

Required Teaching Assistantship Courses

As a condition of employment, all GTAs, DTA, GIAs, and DIAs must complete a total of three hours of professional development course work. The course titles for the required in-service teaching courses vary by department. Some departments offer one three-hour course, some departments offer a two-hour and one-hour course for a combination of three hours, and other departments offer a one-hour course to be taken three times. Assistants enroll in the course offered by the department in which they are employed during their first term of employment and continue to enroll in subsequent terms until the three-hour requirement is met, as applicable. **Students may not enroll in this course work beyond the required three hours**. Up to a total of three semester hours may be used with other graduate courses to satisfy the minimum nine semester hours of enrollment required as a condition of employment. The University administration will cover the fees and tuition for the required teaching assistantship course (up to a total of three semester credit hours only).

Allowable Work Hours

During the fall and spring terms, assistants may work up to 50% (20 hours per week) full time equivalent (FTE). During the summer term, assistants may be approved by the dean of The Graduate College for additional hours, up to a maximum of 75% FTE (30 hours per week) for non-international students. An exception request with justification from the graduate advisor or department chair approved by the dean of The Graduate College must be on file with The Graduate College for employment requested over 50% FTE. Approvals for summer employment over 50% FTE will only be given if the entire position is externally grant funded.

Teaching Load for Graduate/Doctoral Teaching Assistants

The usual semester hour teaching load during the fall or spring term is six semester hours or two classes. The usual semester hour teaching load during a six-week or eight-week summer session is one course (up to a maximum of four hours). A twelve-week summer session carries a normal teaching load of six hours. The dean of The Graduate College must approve any exceptions to these teaching loads.

These policies are designed to protect the graduate/doctoral assistant from bearing an unfair employment and course load, which could impede the timely completion of the degree. Refer to UPPS 07.07.06 (http://www.txstate.edu/effective/UPPS/upps-07-07-06.html), Salaried Graduate

Assistant Employment Procedures, for more detailed information regarding salaried graduate student employment procedures.

Assistantship Orientation

Most departments conduct one or more orientation sessions for new assistants. Newly-hired assistants should inquire about orientation attendance requirements with the department or university office at the time they apply for employment.

Academic Eligibility Requirements

To see a detailed list of academic and enrollment requirements needed to be eligible for a specific assistantship position, please view The Graduate College's guide.

How to Apply for a Graduate Assistantship

Applications for assistantships should be made directly to the department or university office following their application procedure. It is also possible to apply for certain assistantship positions online through Career Services at Jobs4Cats (http://www.careerservices.txstate.edu/resources/jobs4cats.html).

Selection and Appointment

Offers of assistantships are contingent on available funds and admission of the applicant to a degree-seeking graduate program. Graduate assistantship appointments range from a four and one half month period during a summer term to a nine-or twelve-month period during the fall or spring term. The term of an appointment for a Research Assistant may be based on the period of available grant funding. Renewal is at the discretion of the department or university office for which the student is employed. In all cases, the account manager or the manager's designee will decide who is hired in accordance with the qualifications and standards required for the position.

Supervision and Evaluation

Teaching assistants are the "teacher of record" for the course(s) assigned; however they are under the direct supervision of a faculty member experienced in the teaching discipline. Instructional assistants are supervised by the Instructor of Record or Laboratory Coordinator of the courses assigned. Research assistants are usually supervised by the faculty member or office supervisor with whom they work. All assistantship positions undergo regular evaluation as required by the department in which they are employed.

Salaries and Benefits

Assistants are paid in accordance with the University Pay Plan salary schedule which can be viewed at http://www.hr.txstate.edu/univpayplan/student.html.

Eligibility for In-state Tuition

Certain assistantship types may qualify for tuition waivers through the office of Student Business Services. For more details, please refer to the Tuition Waivers and Exceptions list here: http://www.sbs.txstate.edu/students/waivers-exemptions.html.

Health Insurance

Assistants, employed at least half-time (50% FTE) for a minimum period of four and a half consecutive months, are eligible for employer group insurance plans administered by the Human Resources Benefit Office. Assistants may choose between the Student Insurance Plan administered by the Student Health Center and the Employer Group Insurance Program administered by the Human Resources Office. Also, some assistants may already be covered by insurance outside the university and, therefore, may choose not to enroll in a health insurance option offered by Texas State. Assistants should refer to the comparison summary on the Human Resources Office web site in order to make an educated decision.

Non-Discrimination

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under, any program or activity sponsored or conducted by Texas State University on any basis prohibited by applicable law, including race, color, age, national origin, religion, gender, sexual orientation, or disability.

Probation and Suspension

A graduate or post-graduate student as defined in this catalog is required to maintain a 3.0 cumulative grade-point average (GPA) for all Texas State University 5000-, 6000-, and 7000-level courses (excluding required leveling courses) listed on a student's degree audit for a graduate degree. Cumulative GPA's are computed at the end of the fall term, the spring term, and the summer.

If a **graduate student's** cumulative GPA falls below 3.0 during any term of enrollment at Texas State, the student will be placed on academic probation. In the next term of enrollment, the student **must** raise his or her cumulative graduate GPA to 3.0 or above or be suspended from further graduate study at Texas State. When the student has achieved a cumulative GPA of at least 3.0 at the end of the term of probation, the student will be removed from probation status.

Readmission

A student on suspension may petition the graduate dean for permission to re-enroll in The Graduate College. An appeal form for the graduate dean is available on The Graduate College's website (http://www.gradcollege.txstate.edu). This written appeal should include additional supporting documentation. The appeal will be reviewed by the graduate advisor and subsequently by the dean of The Graduate College. Each readmission decision is made on an individual basis and the dean of The Graduate College's decision is final. If a reinstatement is approved, the date of the reinstatement depends on the timing of the appeal, program policies, and/or conditions of the reinstatement. If a student is readmitted after being suspended, the student must maintain a 3.0 cumulative GPA or be suspended again. Individual graduate programs may also impose additional cumulative GPA or course restrictions for their students.

Change of Major

Graduate students on probation may not change programs or admission status without a recommendation and special request from the prospective department. The dean of The Graduate College will review the request when making the final decision. If a suspended student wants to pursue a different program, the student must petition the dean of The Graduate College for permission. The written appeal should include a justification. If the dean of The Graduate College grants permission to a student to pursue a different program, the student must submit an application for admission and comply with instructions as identified earlier under the degree-seeking admission requirements section of the catalog. This procedure must be completed in ample time to meet the admission deadlines. Acceptance in one program does not guarantee acceptance in another program.

Financial Aid

If a student is receiving financial aid, the student must also meet the satisfactory academic progress requirements for financial aid. See the Financial Aid section under General Information for further details.

Degree Information

SACSCOC Accreditation

Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) accreditation is institutional in nature. Although many programs are accredited by other agencies, SACSCOC accredits the university as a whole, not specific degrees or programs.

Degree Audit

On the admission application, a student must identify the following choices: major, minor, cognate, no minor option, area of concentration, degree type (M.A., M.Ed., M.S., Ph.D., etc.), and, for the Master's degree, thesis or non-thesis track. After being admitted to a program, the student may access a degree audit from Texas State Self-Service (CatsWeb) using *DegreeWorks* software. The degree audit will guide the student in selecting courses for registration each term. The student should meet with his or her graduate advisor during the first term of admission to discuss options and review the degree program. Requests for changes to a student's degree audit must be submitted by the student's advisor to the dean of The Graduate College for approval.

Because graduate degree programs are individualized according to degree type and student goals, a student's particular degree program may exceed the number of hours identified for the program in this catalog.

Background/Leveling Course Requirements

Generally, background requirements are placed on the degree audit when a student is deficient in certain course work. Students should refer to the appropriate departmental pages in this catalog for specific information about background/leveling requirements or contact the graduate advisor for their program of study.

course work identified on a student's official degree audit as background/leveling is not used in the computation of the graduate GPA. However, this course work is computed in the overall GPA of the Texas State transcript for students graduating prior to fall 2011. See the "Grade-Point Requirements for Graduation" section. Any course work required for background/leveling is not awarded graduate degree credit.

Graduate advisors may stipulate that one undergraduate course be taken as a background requirement. All other background course deficiencies must be satisfied by the student enrolling in graduate-level leveling courses.

Degree Time Limit

A program leading to a master's degree must be completed within six years from the date of a student's initial enrollment in the program for which they were admitted. No credit will be applied toward the master's degree for work completed more than six years before the date on which a student's degree is to be conferred unless an exception has been approved by the graduate advisor and dean of The Graduate College. This time limit applies to credit earned at Texas State as well as credit transferred to Texas State from other accredited institutions. Requests for time extensions must be submitted to a student's graduate advisor, who in turn submits a recommendation to the dean of The Graduate College for final approval.

A program leading to a Ph.D. or Ed.D. degree must be completed within ten years from the date of a student's initial enrollment in the program for which they were admitted. No credit will be applied toward the doctoral degree for course work completed more than ten years before the date on which a student's degree is to be conferred unless an exception has been approved by the program director and dean of The Graduate College. This time limit applies to credit earned at Texas State as well as credit transferred to Texas State from other accredited institutions. Requests for time extensions must be submitted to a student's doctoral program director, who in turn submits a recommendation to the dean of The Graduate College for final approval. Doctoral students should refer to the appropriate departmental section of this catalog for specific time limit requirements regarding advancement to candidacy and dissertation completion.

99 Hour Rule

In accordance with Texas Education Code, Section 54.066, the university will incur a penalty once a doctoral student accumulates 100 or more doctoral semester credit hours. In response, the Texas State University System has a tuition structure (excessive hours fee) in which a doctoral student will be charged tuition at a rate equivalent to non-resident tuition for all doctoral semester credit hours exceeding 99. Courses taken by a doctoral student at the master's or undergraduate level will not count towards the 99 hours. If the student is admitted to a doctoral program from the bachelor's degree, the count begins after 30 hours of graduate course work. This tuition structure applies to Texas residents as well as out-of-state residents and international students who were eligible to be charged tuition at the resident rate as a result of scholarship and fellowship awards or employment as graduate assistants. Students should contact their doctoral program directors regarding the appeal process.

Catalog

Students completing master's programs within a six-year time limit may graduate under the catalog in effect when they began the graduate program. Students completing doctoral programs within a ten-year time limit may graduate under the catalog in effect when they began the graduate program. In certain programs, additional hours may be added to the degree for accreditation purposes. Should a program change occur, a student must submit a written request to The Graduate College to graduate under the new program requirements. A student who has questions should contact either The Graduate College at 512-245-2581 or the graduate advisor.

Graduate Student Academic Advising

Academic advising for students is handled through the student's major department (or minor department if applicable) after the student has received formal acceptance to The Graduate College. This method of advisement ensures that students will receive sound academic advice from faculty in their chosen field of study. Students must adhere to program specific policies and procedures listed in departmental handbooks and may wish to discuss these policies and procedures with their advisor.

General Graduation Requirements

Applying for Graduation and Participation in Commencement

In order to graduate and/or participate in commencement activities, students must apply for graduation during the semester they plan to graduate. It is the responsibility of the student to ensure completion of all degree requirements as listed on the degree audit and required by the department. It is also the student's responsibility to apply for graduation by the published deadline posted on the University Academic Calendar. That date, as well as other deadline dates and instructions outlining how to apply for graduation, are posted on The Graduate College website each term and communicated via the *GradBulletin* and social media. Late applications will not be accepted. For further information, contact The Graduate College at 512-245-2581 or visit our website (http://www.gradcollege.txstate.edu/students/graduation.html).

Participation in Commencement

Participation in Commencement is optional and not a degree requirement. Students normally participate in the commencement ceremony of their academic college at the end of the semester in which they graduate. A student can petition to participate in the commencement activities early if they have one degree requirement left. A student who has applied to graduate can petition to defer participation in the commencement activities for one semester if there are extenuating circumstances (convenience is not an acceptable reason). Requests to participate or to defer must be submitted to a student's advisor, who in turn submits a recommendation to the dean of The Graduate College for final approval.

Letter of Completion

If students fail to apply for graduation by the published deadline date, a letter of completion may be requested. Students must submit a new graduation application by the published deadline on the University Academic Calendar, and the diploma will be mailed the following term.

Reapplication for the Degree

If students fail to complete degree requirements in time for their planned graduation, they should notify The Graduate College. The student must then reapply for the next (or later) graduation within the period announced on the University Academic Calendar for degree application.

Comprehensive Examination

All candidates for graduate degrees must pass one or more comprehensive examinations, either written, oral, or both, covering at least the field of concentration and the thesis or dissertation if one is written. Students seeking more than one degree must take a comprehensive examination for each degree major. The examination for a master's degree may not be taken until the student has completed at least 18 semester hours of graduate degree credit and may not be taken before the final term if the student has a grade deficiency.

Students must be enrolled in at least one credit hour of coursework when taking the comprehensive examination. If a student has completed all required coursework in a previous semester but still needs to complete the comprehensive examination, the student should enroll in GC 5100: Comprehensive Examination Contingency. GC 5100 is a course designed for non-thesis master's degree students who have completed all program requirements except the comprehensive examination, and enrollment in GC 5100 is required each term in which the comprehensive examination is taken **only if no other courses are being taken that term**. GC 5100 does not generate a grade and does not count toward degree requirements.

F-1 non-immigrant international students must contact the International Office at 512-245-7966 to verify that they are in lawful F-1 status, especially if the comprehensive examination is the final requirement remaining.

Arrangements for the examination may be made with the student's graduate advisor or the department chair. The Master's Comprehensive Examination form or the Dissertation Defense Report form must be filed in The Graduate College **at least ten days before the commencement at which the degree is to be conferred**. The department is responsible for submitting the report to The Graduate College.

GPA Requirements for Graduation

To be eligible for graduation, a student must have a GPA of at least 3.0 for each major and minor/cognate listed on the degree audit. Some degree programs may call for higher minimum requirements. A final course grade of "C" or higher is required for any graduate course that could be applied towards a graduate degree at Texas State. In addition, no grade earned below "B" on any graduate course may apply toward a doctoral degree at Texas State.

Background/Leveling Work

Background/leveling work is not computed in the graduation GPA requirement, nor is graduate-degree credit granted for background work for the degree to be earned.

Incomplete Grades

Incomplete grades should be cleared through the University Registrar's Office **at least ten days before the commencement for which the degree is to be conferred**.

Hours Requirements

Graduate degree programs range from 30-99 hours of coursework. Master's degree programs require a minimum of 30 semester credit hours with a maximum of 69. Students obtaining certification may be required to complete additional hours.

Doctoral students should refer to the appropriate departmental section of this catalog for specific credit hours to satisfy degree requirements. Doctoral degree programs range from 46-99 semester credit hours.

Residency Requirement

Texas State University has specific guidelines regarding the number of hours that can be transferred in (see the section of this catalog on transfer credit (http://mycatalog.txstate.edu/graduate/registration-course-credit/course-credit)). With appropriate justifications, exceptions can be granted by the dean of The Graduate College. However, at least one-third of credit hours required for a graduate or a post-baccalaureate professional degree must be earned through instruction at Texas State. In addition, doctoral students must satisfy a one-year residency requirement: This means that doctoral students, as part of their required hours of coursework, must take at least 18 graduate credit hours offered by Texas State during consecutive fall, spring, and summer terms. These courses can be offered in any format (face-to-face, online, hybrid). In other academic years, doctoral students can be enrolled in fewer hours. This is to ensure a substantial engagement with the subject area, ideally at the beginning of their studies.

Recommendation for the Degree

The dean of The Graduate College certifies candidates for graduation after the completion of all requirements for the appropriate graduate degree and with the approval of the departments concerned. Degrees are conferred publicly at the close of the fall term, the spring term, and the summer term.

Thesis Requirements for a Master's Degree

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process.

Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Dissertation Requirements for Doctoral Degrees

The dissertation must demonstrate the student's capability for original scholarly contributions to their field of study. The preparation of the dissertation must conform to *The Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*. All forms referenced in this section can be found on The Graduate College website.

Dissertation Committee

The dissertation committee must be composed of approved doctoral graduate faculty members. The minimum number of committee members varies by doctoral program. The student should consult with the doctoral program director regarding the composition of the committee. To form the dissertation committee, the Dissertation Committee Request Form (https://www.gradcollege.txstate.edu/docs/dissertation-committee-request.pdf) must be completed and signed by the student, the committee members, the committee chair, the doctoral program director, and the department chair and then forwarded to the dean of The Graduate College for approval and signature.

Dissertation Proposal and Defense

The student must submit the dissertation proposal and an official Dissertation Proposal and Proposal Defense Form (http://www.gradcollege.txstate.edu/forms.html) (Form D) to his or her dissertation committee. If the dissertation research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board (IRB) prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the dissertation research involves vertebrate animals, the Dissertation Proposal and Proposal Defense Form (Form D) must include the Texas State IACUC approval code. Each Ph.D./Ed.D. program prepares its own procedures for the dissertation proposal defense. The procedures may be obtained from the doctoral program director. Following the dissertation proposal defense, members of the dissertation committee, the doctoral program director and the department chair sign the Dissertation Proposal and Proposal Defense Form (Form D). The signed form and one copy of the proposal are then submitted to the dean of The Graduate College for approval before the student proceeds with research on the dissertation.

Dissertation Enrollment and Credit

A Ph.D./Ed.D. student may typically begin enrolling in a dissertation course during the term following completion of required course work as specified by the Ph.D./Ed.D. program. The number of dissertation credit hours students enroll in must reflect the amount of work accomplished on the dissertation that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the dissertation process. **Once the student advances to candidacy, the student must continue to enroll in at least one hour of dissertation course credit each fall and spring semester (and summer, if receiving dissertation supervision and/or using university resources) until the dissertation has been completed, defended, submitted, and approved by The Graduate College.** The minimum number of hours of required dissertation credit varies by Ph.D./Ed.D. program. Dissertation projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the dissertation requires work beyond the minimum number of dissertation credits needed for the degree, the student may enroll in additional dissertation credits at the committee chair's discretion.

The only grades assigned for dissertation courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a dissertation course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the dissertation is completed. The minimum number of hours of dissertation credit ("CR"), as specified by the Ph.D./Ed.D. program, will be awarded only after The Graduate College has received the Survey of Earned Doctorates, and the dissertation has been approved by The Graduate College and released to Alkek Library.

A student must be registered for a dissertation course during the term or Summer I (during the summer, the dissertation course runs ten weeks for both sessions) in which the degree will be conferred.

Dissertation Deadlines and Approval Process

Dissertation deadlines are posted on The Graduate College website under "Current Students." The completed dissertation must be submitted to the chair of the dissertation committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the dissertation deadline listed on The Graduate College website:

1. The Dissertation Submission Approval Form (Form G), bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the dissertation in final form, approved by all committee members, uploaded in the on-line Vireo submission system (Vireo On-line Submission Option). Some doctoral programs may require additional copies; check with the doctoral program director regarding additional program requirements.

After the dean of The Graduate College approves the dissertation, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). Ph.D./Ed.D. students must submit the completed Survey for Earned Doctorates (SED) online by **5pm on the Thursday two weeks prior to commencement**. This deadline is also available on The Graduate College website, listed above.

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf

- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to the Alkek Library. However, Alkek will bind copies submitted that the student wants to have bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to the Alkek Library and pay the binding fee for personal copies.

Graduate Degrees

Doctor of Philosophy (Ph.D.)
Doctor of Education (Ed.D.)
Doctor of Physical Therapy (D.P.T.)
Specialist in School Psychology (S.S.P.)
Master of Accountancy (M.Acy.)
Master of Applied Geography (M.A.Geo.)
Master of Arts (M.A.)
Master of Arts in Interdisciplinary Studies (M.A.I.S.)
Master of Business Administration (M.B.A.)
Master of Education (M.Ed.)
Master of Fine Arts (M.F.A.)
Master of Health Information Management (M.H.I.M.)
Master of Healthcare Administration (M.H.A.)
Master of Music (M.M.)
Master of Public Administration (M.P.A.)
Master of Science (M.S.)
Master of Science in Communication Disorders (M.S.C.D.)
Master of Science in Criminal Justice (M.S.C.J.)
Master of Science in Interdisciplinary Studies (M.S.I.S.)
Master of Science in Nursing (M.S.N.)
Master of Science in Recreation and Leisure Services (M.S.R.L.S.)
Master of Science in Respiratory Care (M.S.R.C.)
Master of Social Work (M.S.W.)

Certificate and degree programs are approved in accordance with guidelines provided by the Southern Association of Colleges and Schools Commission on Colleges, the Texas Higher Education Coordinating Board and The Texas State University System Board of Regents.

Graduate Majors

The table below lists all graduate majors and degrees as they appear on a diploma and a transcript. Please note that a number of these programs have additional options or concentrations available. Program hours depend on degree options selected. Consult the program page inside this catalog for more detailed information.

Major	Degree	Thesis	Program Hours
Accounting (p. 969)	M.Acy.	None	33
Accounting (Integrated) (p. 985)	B.B.A./M.Acy.	None	150
Accounting and Information Technology (p. 992)	M.S.	None	36
Adult, Professional, and Community Education (p. 1043)	M.A.	Optional	36-39
Adult, Professional, and Community Education (p. 1020)	Ph.D.	Dissertation	63
Advanced Practice Leadership (p. 822)	M.S.W.	None	36-62
Anthropology (p. 1964)	M.A.	Required	36
Applied Anthropology (p. 1959)	Ph.D.	Dissertation	54
Applied Philosophy and Ethics (p. 2153)	M.A.	Optional	30-33
Applied Sociology (p. 2221)	M.S.	None	37
Aquatic Resources (p. 2340)	M.S.	Required	31
Aquatic Resources and Integrative Biology (p. 2296)	Ph.D.	Dissertation	61-91
Athletic Training (p. 1562)	M.S.		55
Biochemistry (p. 2414)	M.S.	Required	30
Biology (p. 2332)	M.A.	Required	30
Biology (p. 2358)	M.S.	Optional	30-45
Business Administration (p. 956)	M.B.A.	Optional	42-45
Chemistry (p. 2411)	M.A.	None	30
Chemistry (p. 2418)	M.S.	Required	30
Communication Design (p. 1632)	M.F.A.	Required	60
Communication Disorders (p. 1905)	M.A.	Required	39
Communication Disorders (p. 1910)	M.S.C.D.	None	36
Communication Studies (p. 1638)	M.A.	Optional	30-36

Computer Science (p. 2447)	M.A.	Optional	30-36
Computer Science (p. 2462)	M.S.	Optional	30-36
Computer Science (p. 2424)	Ph.D.	Dissertation	54
Creative Writing (p. 2029)	M.F.A.	Required	48
Criminal Justice (p. 762)	M.S.C.J.	Optional	30
Criminal Justice (p. 756)	Ph.D.	Dissertation	51
Data Analytics and Information Systems (p. 997)	M.S.	Optional	30
Dementia and Aging Studies (p. 2230)	M.S.	Optional	33
Developmental Education (p. 1172)	M.A.	Optional	36
Developmental Education (p. 1135)	Ed.D.	Dissertation	66
Developmental Education (p. 1098)	Ph.D.	Dissertation	66
Educational Leadership (p. 1058)	M.A.	None	36
Educational Leadership (p. 1090)	M.Ed.	None	36
Educational Technology (p. 1268)	M.Ed.	None	39
Elementary Education (p. 1205)	M.A.	Required	30-36
Elementary Education (p. 1279)	M.Ed.	None	36
Elementary Education Bilingual/ Bicultural (p. 1243)	M.A.	Required	30
Elementary Education Bilingual/ Bicultural (p. 1418)	M.Ed.	None	36
Engineering (p. 2510)	M.S.	Optional	34
Exercise Science (p. 1583)	M.S.	Optional	36
Family Nurse Practitioner (p. 1931)	M.S.N.	None	48
Geographic Education (p. 2041)	Ph.D.	Dissertation	46
Geographic Information Science (p. 2049)	Ph.D.	Dissertation	46
Geographic Information Science (p. 2066)	M.A.Geo.	None	33
Geography (p. 2071)	M.A.Geo.	None	33
Geography (p. 2089)	M.S.	Required	30
Geography (p. 2057)	Ph.D.	Dissertation	46
Geography Resource and Environmental Studies (p. 2083)	M.A.Geo.	None	33
Healthcare Administration (p. 1915)	M.H.A.	Optional	49
Health Information Management (p. 1924)	M.H.I.M.	Optional	36
History (p. 2106)	M.A.	Optional	33-39
Human Development and Family Sciences (p. 775)	M.S.	Optional	37
Human Nutrition (p. 798)	M.S.	Optional	33-39
Human Resource Management (p. 1007)	M.S.	None	30
Integrated Agricultural Sciences (p. 746)	M.S.	Optional	36
Interdisciplinary Studies (p. 809)	M.A.I.S.	Optional	39
Interdisciplinary Studies (p. 817)	M.S.I.S.	Optional	39
International Studies (p. 2147)	M.A.	Optional	30-36

Leadership and Administration in Nursing (p. 1936)	M.S.N.	None	36
Legal Studies (p. 2163)	M.A.	None	36
Literature (p. 1989)	M.A.	Optional	30-36
Management of Technical Education (p. 813)	M.Ed.	None	36
Marketing Research and Analysis (p. 1010)	M.S.	Optional	30
Mass Communication (p. 1677)	M.A.	Optional	33-36
Materials Science, Engineering, and Commercializatior (p. 2288)	Ph.D.	Dissertation	55
Mathematics (p. 2617)	M.S.	Optional	30-36
Mathematics (p. 2597)	M.Ed.	None	36
Mathematics Education (p. 2585)	Ph.D.	Dissertation	78
Merchandising and Consumer Studies (p. 805)	M.S.	Optional	36-39
Middle School Mathematics Teaching (p. 2601)	M.Ed.	None	36
Music (p. 1701)	M.M.	Optional	36
Music Education (p. 1829)	M.M.	None	36
Physical Therapy (p. 1947)	D.P.T.	None	99
Physics (p. 2656)	M.S.	Optional	30-36
Political Science (p. 2165)	M.A.	Optional	33-36
Population and Conservation Biology (p. 2392)	M.S.	Required	30
Professional Counseling (p. 1061)	M.A.	Optional	48-66
Psychiatric Mental Health Nurse Practitioner (p. 1940)	M.S.N.	None	40
Psychological Research (p. 2191)	M.A.	Optional	38
Public Administration (p. 2176)	M.P.A.	None	39
Public Health Education and Promotion (p. 1606)	M.S.	Optional	36
Reading Education (p. 1430)	M.Ed.	None	36
Recreation Management (p. 1617)	M.S.R.L.S.	Optional	30-36
Respiratory Care (p. 1952)	M.S.R.C.	None	36
Rhetoric and Composition (p. 2000)	M.A.	Optional	33
School Improvement (p. 1030)	Ph.D.	Dissertation	63
School Psychology (p. 1040)	S.S.P.	None	69
Secondary Education (p. 1255)	M.A.	Required	30
Secondary Education (p. 1441)	M.Ed.	None	36-39
Sociology (p. 2202)	M.A.	Optional	37
Software Engineering (p. 2483)	M.S.	Optional	30-36
Spanish (p. 2267)	M.A.	Optional	33-36
Special Education (p. 1511)	M.Ed.	None	36
Student Affairs in Higher Education (p. 1093)	M.Ed.	None	45
Sustainability Studies (p. 2208)	M.A.	Optional	36-38
Sustainability Studies (p. 2250)	M.S.	Optional	36-38

Technical Communication (p. 2010)	M.A.	Optional	30
Technology Management (p. 2561)	M.S.	Optional	36
Theatre (p. 1877)	M.A.	Optional	30-39
Theatre (p. 1888)	M.F.A.	None	60
Therapeutic Recreation (p. 1623)	M.S.R.L.S.	Optional	30-36
Wildlife Ecology (p. 2401)	M.S.	Required	30-31

Certificate and degree programs are approved in accordance with guidelines provided by the Southern Association of Colleges and Schools Commission on Colleges, the Texas Higher Education Coordinating Board and the Texas State University System Board of Regents.

Graduate Minors

Minor hours required are in addition to the hours required for the student's chosen major. Click the name of the minor to find the course requirements and other requirements that may apply such as admission, GPA, etc.

Minor	Hours Required
Adult Education (p. 1095)	12
Anthropology (p. 1986)	9
Aquatic Resources (p. 2410)	6
Biochemistry (p. 2423)	9
Biology (p. 2410)	15
Chemistry (p. 2423)	6
Communication Studies (p. 1651)	12
Computer Science (p. 2493)	6-9
Counseling and Guidance (p. 1095)	12
Creativity Studies in Education (p. 1558)	9
Criminal Justice (p. 773)	9
Developmental Education (p. 1558)	9
Diversity Studies (p. 1987)	9
Educational Leadership (p. 1095)	12
Elementary Education (p. 1558)	12
Elementary Education Bilingual/Bicultural (p. 1559)	9
Exercise Science (p. 1630)	12
Geography (p. 2096)	9
Gifted and Talented Education (p. 1559)	15
Healthcare Administration (p. 1922)	15
History (p. 2145)	12
Industrial Technology (p. 2583)	15
Legal Studies (p. 2189)	9-12
Literature (p. 2040)	6
Materials Physics (p. 2676)	9
Mathematics (p. 2651)	15
Methods and Materials (p. 1559)	6-15
Music (p. 1875)	12
Music Education (p. 1875)	12
Philosophy (p. 2161)	6
Physics (p. 2677)	6
Political Science (p. 2189)	9
Psychology (p. 2200)	12
Public Health Education and Promotion (p. 1630)	15
Reading Education (p. 1560)	12
Recreation and Leisure Services (p. 1631)	12
Secondary Education (p. 1560)	15
Sociology (p. 2263)	9
Software Engineering (p. 2493)	6-9
Spanish (p. 2286)	6
Special Education (p. 1560)	15
Theatre (p. 1903)	6
Women and Gender Studies (p. 1987)	9-15

Graduate Certificates

Click the name of the certificate to find the course requirements.

Certificate Program	Department/School	Comments
Adult English as a Second/Foreign Language (p. 1096)	Counseling, Leadership, Adult Education, and School Psychology	18 hours for completion
Autism (p. 1560)	Curriculum and Instruction	24 hours for completion. This certificate is only available for graduate students who are also seeking a Master of Education (M.Ed.) Major in Special Education (Autism/Applied Behavior Analysis Concentration).
Behavioral Disorders/ Positive Behavioral Support (p. 1561)	Curriculum and Instruction	21 hours for completion. This certificate is only available for graduate students who are also seeking a Master of Education (M.Ed.) Major in Special Education (Behavioral Disorders/ Positive Behavior Concentration).
Corporate Communication and Training (p. 1651)	Communication Studies	9 hours for completion
Intelligence Analysis (p. 774)	Criminal Justice	15 hours for completion

Learning Disabilities/ Inclusion (p. 1561)	Curriculum and Instruction	18 hours for completion. This certificate is only available for graduate students who are also seeking a Master of Education (M.Ed.) Major in Special Education (Learning Disabilities/Inclusion Concentration).
Long Term Care Administration (p. 1922)	Health Administration	15 hours for completion
Music Performance (p. 1875)	Music	15 hours for completion. No grade less than "B" on required courses.
Paralegal Studies (p. 2189)	Policial Science	24 hours for completion. This certificate is only available for graduate students who are also seeking a Master of Arts (M.A.) Major in Legal Studies.
Professional Ethics (p. 2161)	Philosophy	12 hours for completion
Public History Studies (p. 2145)	History	15 hours for completion

Texas State Certificate Program Application of Completion

Students in the certificate programs must maintain a minimum GPA of 3.0 in order to receive a certificate of completion for the program. See the table above for the specific GPA and course grade requirements per certificate program. A final course grade of "C" or higher is required for any graduate course that may be applied towards a graduate certificate at Texas State. All certificate course work must be completed within four years of initial enrollment.

In order to receive the certificate, a student must apply for graduation in the semester in which they plan to complete the certificate. Late applications will not be accepted. It is the responsibility of the student to ensure completion of all degree requirements as listed on the degree audit and required by the department. It is also the student's responsibility to apply for graduation by the published deadline posted on the University Academic Calendar. That date, as well as other deadline dates, and instructions outlining how to apply for graduation are posted on The Graduate College website each term. Deadlines are also communicated via the GradBulletin. Students who have missed the application deadline will have to apply for graduation during the next semester. For further information regarding the graduation application deadline, contact The Graduate College at 512.245.2581 or visit our website at: http://gradcollege.txstate.edu/students/deadlines.html.

Certificate and degree programs are approved in accordance with guidelines provided by the Southern Association of Colleges and Schools Commission on Colleges, the Texas Higher Education Coordinating Board and the Texas State University System Board of Regents.

Tuition and Fees

The following are general descriptions of the various tuition and fees charged for registration for academic courses. Refer to http://www.sbs.txstate.edu/billing/fee_definitions.html for the most current information on the amounts charged for tuition and fees. **Texas State reserves the right to change tuition and fees, in keeping with the actions of the Texas Legislature, the Texas State University System Board of Regents, and university administration.**

Tuition

Faculty and staff salary increases, new faculty and staff positions, new academic programs and other strategic initiatives, and financial aid.

Student Service Fee

Activities that involve or directly benefit students that are separate and apart from regularly scheduled academic functions. Includes student government, student cultural activities, artist & lecture series, University Star, KTSW and student programming (such as Career Services and Counseling Center).

Student Center Fee

Operate and maintain Student Center. (Fee is waived for students enrolled *exclusively* in off-campus courses.)

Bus Fee

Operate shuttle buses. (Fee is waived for students enrolled *exclusively* in off-campus courses.)

Computer Services Fee

Classroom technology, academic computer labs, and campus connectivity.

Student Publications Fee

Pays for administrative publications. (Does not pay for *The University Star* or the *Pedagog* yearbook.)

Recreational Sports Fee

Operate and maintain Rec Sports Center and Campus Rec operations. (Fee is waived for students enrolled *exclusively* in off-campus programs.)

ID Card Services Fee

Supports the operation of the Bobcat Card and the Texas State University One Card System which provides access, identification, and debit card functionality.

International Education Fee

Scholarships for students studying abroad

Medical Service Fee

Basic operations of the Student Health Center. (Fee is waived for students enrolled *exclusively* in off-campus programs.)

Off-Campus Fee

All students enrolled in classes held at off campus locations are required to pay $30 per hour that will help defray the cost of services provided at these locations.

Note: For students enrolled in both on-and off-campus courses, the off-campus fee is *in addition to* all other fees.

Electronic Course Fees

An electronic course fee of $50 per hour will be charged for courses taught via the internet or hybrid instructional method. Same as off-campus, fees may be waived if enrolled exclusively in electronic course and/or off campus courses.

McCoy Graduate Program Fee:

A fee of $150 per credit hour enrolled will be charged to students admitted to the McCoy College of Business Administration graduate degree programs. The McCoy Graduate Program fee funds a variety of initiatives to enhance the graduate student educational experience, including a career support professional to work directly with master's students, scholarships for study abroad experiences, graduate research assistant positions, professional development events for students, including the McCoy Graduate Boot Camp twice each year, and field projects with area businesses.

Special Fees and Charges

Admission Application Fee (mandatory & non-refundable)	$75.00
Admissions Application & Evaluation Fee for International Applicants (mandatory & non-refundable)	$90.00
Athletic Training Fee (to sophomores who have earned competitive admission to the undergraduate athletic training education program)	$100.00
Auditing Fee	same as if course were taken for credit
Certificate Fee (payable when applying for teacher certification)	
Texas Standard Certificate	$77.00
Deficiency Plan Fees (for students seeking teacher certification)	
First Plan	$75.00
Additional Plans (each)	$25.00
Late Payment Fee	$65.00
Electronic Course Fee (per semester credit hour)	$50.00
Evaluation of Foreign Credentials (for domestic applicants)	$15.00
Payment Plan Enrollment Fee (for handling & other processing)	$30.00
Late Registration Fee	
Prior to first day of class	$25.00
1st 7 class days - fall/spring	$100.00
1st 2 class days - summer	$25.00
8th-12th class day - fall/spring	$200.00
3rd-4th class days - summer	$25.00
Off-Campus Course Fee (per semester credit hour)	$30.00/semester credit
Orientation Fee (mandatory, non-refundable)	$60.00
Physical Therapy Application Fee	$50.00
Post-Baccalaureate Teaching Intern Application Fee	$500.00
Returned Item Fee (for handling and other processing)	$30.00
Transcript Fee (official copy)	$5.00

Some fees are waived for students taking classes exclusively in Round Rock.

Laundry Service Fees for Physical Education Uniforms

Laundry Service Fees

For individuals who wish to use the university physical education uniforms, fees are as follows:

Student $7.00 per summer term
Faculty/Staff $50.00 per twelve months

Additional Fees and Expenses

International Student Health Insurance Fee

All International students on non-immigrant F-1 and J-1 visas are required by university policy to have health insurance coverage while enrolled in classes at Texas State University.

- International students will be required to purchase the student health insurance plan endorsed by the university
- Students will have to purchase the health insurance directly from the health insurance plan
- Only students with employer or government sponsored health insurance plans will be considered for insurance waivers

Detailed information on how to purchase the health insurance or submit documents to request an insurance waiver will be sent to international students by the International Office. This information is available on the International Office website: http://www.international.txstate.edu/current/Health-insurance-.html.

International students will be able to purchase the health insurance online during Open Enrollment periods. The health insurance may be purchased on an annual basis or by semester. The health insurance plan must be purchased, or an insurance waiver approved, prior to the start of classes. Students who do not comply with this requirement will have a "Hold" placed on their student account. The "Hold" will be removed only after they purchase the student health insurance plan endorsed by the university. The have a "Hold" removed, students must email their proof of enrollment in health insurance to intlhealth@txstate.edu. Health insurance holds will be removed by 5:00 p.m. the next business day.

Should you have any questions about the international student health insurance requirement, you may contact the International Office at intlhealth@txstate.edu.

IMPORTANT: Students will receive notices about the health insurance requirement through their Bobcatmail account.

International Students Operations Fee

All international students with an immigration status of "F" or "J" will be charged $60.00 per semester for the maintenance of records, compliance with government regulations, and other services.

Testing Fees

Administration fees will be charged for Proctoring Exam Services for Texas State Students and Non-Texas State students who wish to take a course exam at the Testing, Evaluation, and Measurement Center (TEMC) in San Marcos, or the Round Rock Campus Testing Center. The charge is $40.00 per test for exams two hours or less. The fee amount will vary with longer time limits. This fee also applies to students who wish to take a course exam through the TEMC rather than at the times offered as part of distance education courses. Students who request make-up exams allowed by Texas State faculty will also be charged $40.00 per test for exams two hours or less.

Varying fees will also be charged for:

- Exams for credit
  - CLEP
  - Departmental
  - ACTFL-OPI
- Placement and college readiness tests
  - Accuplacer/Texas Success Initiative Assessment (TSIA)
  - Texas Higher Education Assessment (THEA)
- Upper level barrier exams
  - ATI TEAS BSN
  - Punctuation, Usage, and Grammar (PUG)

Visit https://www.txstate.edu/temc/ for specific fees, additional services, and information.

Auditing Fees

Where auditing of a course is permitted, all fees will be the same as if the course were taken for credit. Senior citizens, 65 or older, may audit courses without payment of a fee if space is available.

Student Financial Obligations

Students are expected to meet financial obligations to the University when they are due. Tuition is due on the date given in the academic calendar, and students are not entitled to attend classes unless the tuition bill has been paid in full or in accordance with an approved payment plan. Refer to the Student Business Services website Payment Options for detailed information on payment options and requirements of payment plans.

Failure to pay the amount owed in the allotted time, or payments made with checks that are returned to Texas State unpaid by the bank may result in any or all of the following:

1. Dismissal from the university,
2. Withholding of future registration privileges,
3. Withholding of an official transcript,
4. Withholding the conferring of a degree,
5. Bar against re-admission for the student,
6. Warrant hold with the State of Texas,
7. Referral of debt to a collection agency.

Late Registration Fee

A late fee will be charged if a student registers during the late registration period.

Late Payment Fee

A delinquent charge of $65 will be assessed the first business day after the final payment due date of the semester. Under Texas Education Code §54.007, a student who fails to make full payment of tuition and fees, including any incidental fees, by the due date may be prohibited from registering for classes until full payment is made. See the Student Financial Obligation section for more details.

Campus Parking/Vehicle Registration

Every student, faculty, and staff person who operates or parks a vehicle on campus must:

1. register the vehicle with Parking Services;
2. purchase a permit;
3. properly display the permit any time the vehicle is parked on campus; and
4. become familiar with and abide by the Traffic and Parking Rules.

The rules are enforced at all times throughout the year. The purchase of a permit and registration of the vehicle do not guarantee a parking space. Residence hall students must first submit an application to the Parking Services office before bringing a vehicle to campus. Residence hall parking spaces are limited, and it is recommended that on-campus residents not bring a vehicle to campus unless absolutely necessary. Commuters may register their vehicles on-line at http://www.parking.txstate.edu/.

Fees for vehicle registration will be published each year in the official rules and regulations and on the Parking Services website. Additional information concerning the purchase and issuance of parking permits may be obtained by contacting Parking Services at 512.245.2887.

Payment of Fees

Registration fees must be paid before classes begin. Refer to Student Business Services website Payment Methods for detailed information on payment methods accepted by the university.

Please note:

- A 2.85% convenience fee with a minimum $3 per transaction fee is applied to credit/debit card payments (effective 9/2012). The convenience fee is not collected by the university and is therefore non-refundable.
- Mailed payments must be **RECEIVED**, not postmarked**, BY THE DUE DATE**. You must make allowances for any postal delays.

*You must have your NetID and password to access your account.

Registration Payment Options:

Refer to Student Business Services website Payment Options for detailed information on payment options and requirements for payment plans.

Please Note: Financial Aid and Tuition Adjustment Recipients

- Approved tuition adjustments will apply to your account as they are received. Please Note: The Billing and Payment site does take 24 hours to update with this information.
- Students will a financial aid credit or tuition adjustment that covers 100% tuition, fees, and room and board do not need to take action; credit will automatically apply.
- If the financial aid or tuition adjustment is not sufficient to cover 100% of your charges, you must pay the total balance due or enroll in a payment plan to avoid cancellation of your classes.

Tuition/fees and room/board may be paid through the following alternatives:

1. Payment for tuition, fees, room, and board in full. See the Registration Information booklet (https://www.registrar.txstate.edu/persistent-links/Registration-Instructions-booklets.html) for specific dates.
2. Enrollment in a payment plan.

During the fall and spring terms, a down payment of 30% is due at the time of enrollment into the payment plan. Two additional installments of the remaining balance will be due on the designated due dates. See the *Registration Information* booklet for specific dates.

During the summer term, a down payment of 50% is due at the time of enrollment into the payment plan. The payment plan is only available for the first part of term. One additional installment of the remaining balance will be due on the designated due date. See the *Registration Information* booklet for specific dates.

A STUDENT WHO FAILS TO MAKE FULL PAYMENT OF TUITION AND FEES, INCLUDING ANY INCIDENTAL FEES, BY THE DUE DATE MAY BE PROHIBITED FROM REGISTERING FOR CLASSES UNTIL FULL PAYMENT IS MADE. A STUDENT WHO FAILS TO MAKE PAYMENT PRIOR TO THE END OF THE TERM MAY BE DENIED CREDIT FOR THE WORK DONE THAT TERM.

Returned Checks

If a check or EFT is returned unpaid for any reason other than the admitted error of the bank, the student must pay for the returned check with cash, cashier's check, money order or credit card (MasterCard, VISA, Discover, Diners Club or American Express) immediately. A $30.00 service fee is assessed for each returned check. Until the check is paid, the student will be on "Cash Only" status. Cash Only status is a denial of check cashing privileges on campus.

Individuals who have three returned checks or EFT within a 12-month period will be placed on Cash Only status.

Stopping payment on a check for fees or allowing the check to be returned unpaid by the bank for any reason does not constitute official withdrawal. Failure to follow procedures for withdrawing from Texas State may result in financial penalties and delays with future enrollment in the University.

Residency for Tuition Purposes

The determination of residency classification for tuition purposes is governed by statutes enacted by the Texas Legislature and rules and regulations promulgated by the Texas Higher Education Coordinating Board. A student or applicant is classified either as a resident of Texas, a non-resident, or a foreign student for tuition purposes. An individual's residency classification is based on information from his or her admission application. If an applicant or student is classified as a non-resident and wishes to be considered for reclassification as a resident, it is necessary to submit the Residency Core Questions available from the Office of Undergraduate Admission. Documentation may be requested by the institution in order to resolve issues raised by the information provided in response to the Core Residency Questions.

Chapter 21 of the Texas Higher Education Coordinating Board Rules includes the following provisions covering some of the more common residency situations. They are neither exhaustive nor complete and should not be interpreted as such. Full regulations are available in the Coordinating Board publication *Rules and Regulations for Determining Residency Status* available at http://www.collegeforalltexans.com/ (Search: Residency).

Determination of Residence Status

1. The following persons shall be classified as Texas residents and entitled to pay resident tuition:
   a. a person who graduated from a public or accredited private high school in this state or received the equivalent of a high school diploma in this state, and maintained a residence continuously in this state for the thirty-six months immediately preceding the date of graduation or receipt of the diploma equivalent, as applicable; and the 12 months preceding the census date of the academic term in which the person enrolls in an institution.
   b. a person who established a domicile in this state not less than 12 months before the census date of the academic term in which the person enrolls in an institution; and maintained a residence continuously in the state for the 12 months immediately preceding the census date of the academic term in which the person enrolls in an institution.
   c. a dependent whose parent established a domicile in this state not less than 12 months before the census date of the academic term in which the person enrolls in an institution; and maintained a residence continuously in the state for the 12 months immediately preceding the census date of the academic term in which the person enrolls in an institution.
2. The following non-U.S. citizens may establish a domicile in this state for the purposes of subsection (a) (2) or (3) of this section:
   a. a Permanent Resident;
   b. a person who is eligible for permanent resident status;
   c. an eligible nonimmigrant that holds one of the approved types of visas. A complete list is available on the Coordinating Board website at http://www.thecb.state.tx.us/Rules/
   d. a person classified by the USCIS as a Refugee, Asylee, Parolee, Conditional Permanent Resident, or Temporary Resident;
   e. a person holding Temporary Protected Status, and Spouses and Children with approved petitions under the Violence Against Women Act (VAWA), an applicant with an approved USCIS I-360, Special Agricultural Worker, and a person granted deferred action status by USCIS;
   f. a person who has filed an application for Cancellation of Removal and Adjustment of Status under Immigration Nationality Act 240A (b) or a Cancellation of Removal and Adjustment of Status under the Nicaraguan and Central American Relief Act (NACARA), Haitian Refugee Immigrant Fairness Act (HRIFA), or the Cuban

Adjustment Act, and who has been issued a fee/filing receipt or Notice of Action by USCIS; and

g. a person who has filed for adjustment of status to that of a person admitted as a Permanent Resident under 8 United States Code 1255, or under the "registry" program (8 United States Code 1259), or the Special Immigrant Juvenile Program (8 USC 1101(a)(27)(J)) and has been issued a fee/filing receipt or Notice of Action by USCIS.

3. The domicile of a dependent's parent is presumed to be the domicile of the dependent unless the dependent establishes eligibility for resident tuition under subsection (a) (1) of this section.
4. A domicile in Texas is presumed if, at least 12 months prior to the census date of the term in which he or she is to enroll, the person owns real property in Texas, owns a business in Texas, or is married to a person who has established a domicile in Texas. Gainful employment other than work-study and other such student employment can also be a basis for establishing a domicile.
5. The temporary absence of a person or a dependent's parent from the state for the purpose of service in the U.S. Armed Forces, Public Health Service, Department of Defense, U.S. Department of State, as a result of an employment assignment, or for educational purposes, shall not affect a person's ability to continue to claim that he or she is a domiciliary of this state. The person or the dependent's parent shall provide documentation of the reason for the temporary absence.
6. The temporary presence of a person or a dependent's parent in Texas for the purpose of service in the U.S. Armed Forces, Public Health Service, Department of Defense or service with the U.S. Department of State, or as a result of any other type of employment assignment does not preclude the person or parent from establishing a domicile in Texas.

Exceptions

A non-resident or foreign student may qualify to pay in-state tuition. Students should direct questions and documentation for these waivers to Student Business Services.

1. The student or student's spouse or parent is a member of the Armed Forces or a commissioned officer of the Public Health Service and is stationed in Texas. (Military and Public Health Service personnel who maintain their official home of record as Texas or who meet the criteria for establishing a domicile in Texas are considered to be Texas residents.)
2. The student or student's spouse or parent is employed at least half-time as a teaching or research assistant in a position related to the assistant's degree program at a Texas public institution of higher education.
3. The student or student's spouse or parent is employed at least half-time on a regular monthly salaried basis as a teacher or professor at a Texas public institution of higher education.
4. The student holds an approved competitive scholarship from Texas State of at least $1000 for the academic year or summer awarded by an official Texas State scholarship committee.
5. The student or student's spouse or parent has located in Texas as an employee of a business or organization that became established in this state as part of the state economic development and diversification program. (Note: Go to http://www.thecb.state.tx.us/Rules/ Chapter 21, Sub Chapter X for a list of qualified employers.)
6. The student is a New Mexico resident who resides in a county bordering Texas.
7. The student is a Louisiana resident who resides in a parish bordering Texas.
8. The student is a resident of Mexico who has demonstrated a financial need as determined by the financial aid office.

Refund of Fees

Refer to the Refund Information page of the Student Business Services website for detailed information of the University's refund policy. ***Please note:*** Withdrawing and dropping a class are **two different actions** and are defined below. ***These actions have separate refund policies.***

- **Withdrawal:** Dropping ALL of your classes. You MUST do this through the Office of the University Registrar.
- **Dropping a class**: Removing one or more classes from your schedule, while remaining enrolled in at least one course.

College of Applied Arts

Dean
T. Jaime Chahin, Ph.D.
Agriculture Building Room 300
Telephone: 512.245.3333 Fax: 512.245.3338
http://www.appliedarts.txstate.edu/

Associate Dean
Donna Vandiver, Ph.D.

Assistant Dean
Douglas Morrish, Ph.D.

Department Chairs/School Directors
Aerospace Studies–Lt. Col. Jack Blalock, M.S.
Agricultural Sciences–Madan M. Dey, Ph.D.
Criminal Justice–Christine S. Sellers, Ph.D.
Family and Consumer Sciences–Andrew O. Behnke, Ph.D.
Military Science–Maj. Michael Ashton, M.S.
Organization, Workforce, and Leadership Studies–Mary Jo Biggs, Ph.D.
Social Work–Angela R. Ausbrooks, Ph.D.

The College of Applied Arts' mission is to prepare undergraduate and graduate students for careers through programs of high quality in academic, professional, and technical areas; to further faculty excellence in teaching supported by quality scholarship; and to enhance our involvement with local, state, national, and international constituencies.

Department of Agricultural Sciences

Agriculture Building Room 206
T: 512.245.2130 F: 512.245.3320
http://www.ag.txstate.edu/

The Department of Agricultural Sciences at Texas State prepares students to work as leaders and technical professionals in the agriculture industry, specifically in the fields of animal science, agribusiness management/agricultural economics, agricultural education, agricultural systems (mechanics), crop and soil science, and horticulture. Because 21st century agricultural and food challenges are highly complex, an integrated and multidisciplinary approach to teaching students about agricultural sciences is emphasized. For those students who aim to be agricultural teachers in public schools or community colleges, the department also offers an emphasis on teaching development with research possibilities. The Department of Agricultural Sciences hosts

laboratories where the research focus of faculty and students includes aquaponics, hydroponic production, horticultural therapy, meat quality, animal nutrition, big data analysis, and issues of importance to small and beginning farmers and ranchers, among others. The department is located near the Freeman Center, a 3,500-acre, university-operated teaching and research ranch that provides a unique learning environment. Agricultural education has a long history at this university. When Southwest Texas State Normal School (now Texas State University) was created in 1899, it was charged with the responsibility of teaching agriculture to educators who were training to work in rural schools. Today, agricultural sciences students, along with those focusing on animal science, agribusiness/agricultural economics, agricultural education, agricultural systems, horticulture, or crop science, enjoy an education experience with practical, hands-on classes, in addition to opportunities to engage in applied research.

Master of Science (M.S.)

- Major in Integrated Agricultural Sciences (Non-thesis Option) (p. 746)
- Major in Integrated Agricultural Sciences (Thesis Option) (p. 750)

Master of Science (M.S.) Major in Integrated Agricultural Sciences (Non-thesis Option)

Based on a multidisciplinary approach, the Master of Science (M.S.) degree with a major in Integrated Agricultural Sciences will expose students to the breadth of agriculture, and provide opportunities for them to integrate what they learn across different courses. Students will be able to enhance their depth of knowledge in the focus area of their choice: agricultural business, economics and policy; agricultural education; animal science; or crop and soil science. Graduates will develop a 21st century expertise with theoretical and practical skills necessary to analyze, optimize, and apply their knowledge to complex agro-systems. The rigorous interdisciplinary agriculture curriculum will provide exposure to real-world applications, for students to develop technical and leadership skills necessary for an effective career in addressing and solving food and agricultural issues. Each student's degree will culminate in either thesis-based research or in a non-thesis professional paper.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in agriculture, biology, chemistry, economics, education, or a closely related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- resume/CV detailing prior work experience, research experience, awards, scholarships, and other related qualifications
- statement of interest (two-page maximum) including research interests, plans for graduate study, and professional aspirations and describing how the student's scholarly interests and relevant skills can be utilized in the program to pursue those goals
- three letters of recommendation from non-related individuals familiar with the student's scholarly work and/or relevant work experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Integrated Agricultural Sciences requires 36 semester credit hours, including a professional paper. The major and supportive courses are to be taken with the advice and consent of the student's advisory committee, which consists of three or more faculty selected in consultation with the graduate advisor.

Non-credit (leveling) course work may be required prior to admission into the program if the student lacks sufficient background course work. Any required leveling course work must be completed with grades of B or better prior to admission.

Course Requirements

Code	Title	Hours
Required Courses		
AG 5300	Applied Statistics and Econometrics for Agriculture	3
or MATH 5376E	Analysis of Variance	
AG 5301	Agricultural Development and Policy	3

AG 5310	Research Methods in Integrated Agricultural Sciences	3
AG 5324	Agroecology and Integrated Agriculture	3
AG 5350	Foundations of Ethics and Leadership in Agriculture	3
AG 5365	The Role of Animal Science in Society: An Integrated Approach	3
AG 5398	Professional Paper	3
Electives		
Choose 15 hours from the following:		15
AG 5101	Research Experience	
Agricultural Business, Economic and Policy Research Area:		
AG 5302	Economics of Agricultural Production	
AG 5303	Agricultural Marketing and Price Analysis	
AG 5304	Economics of Sustainable Natural Resource Management	
QMST 5335	Forecasting and Simulation	
Crops and Soils Research Area:		
AG 5120	Aquaponic Internship	
AG 5320	Integrated Agricultural Production in Aquaponic Systems	
AG 5323	Composting and Integrated Resource Management	
AG 5426	Soil Health and Development	
BIO 5412	Plant Anatomy	
GEO 5415	Geographic Applications of Remote Sensing	
TECH 5382	Sustainability in Industrial Management	
Agriculture Education and Leadership Research Area:		
AG 5351	Grant Development and Management	
AG 5352	Program Development and Evaluation	
AG 5354	Instructional Design in Agricultural Education	
AG 5355	Methods of Technological Change	
ADED 5382	Foundations of Adult Education	
SOCI 5309	Seminar in Qualitative Research Methods	
Animal Science Research Area:		
AG 5361	Food Technology and Meat Science	
AG 5362	Advanced Animal Science: Minerals and Vitamins in Animal Nutrition	
AG 5364	Biology of Reproduction in Farm Animals	
AG 5463	Animal Molecular Genetics	
BIO 5413	Parasitology	
Total Hours		36

Master's level courses in Agriculture: AG

Courses Offered

Agriculture (AG)

AG 5100. Professional Development.
This course introduces key concepts and practices for teaching college courses. It provides regular in-service training and planned periodic evaluations of instructional responsibilities. It is required for first-year teaching and instructional assistants in the Master's of Science in Integrated Agricultural Sciences. Graded on a credit (CR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AG 5101. Research Experience.
This course provides students with an opportunity to explore a focused research topic. Ideally the topic would be an emergent topic within their research area that was unplanned and resulted from their initial investigation. May be repeated twice for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

AG 5120. Aquaponic Internship.
This course provides students with hands-on production experience in aquaculture. Students will complete 64 hours of internship with an aquaponic facility.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

AG 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AG 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AG 5300. Applied Statistics and Econometrics for Agriculture.
This course focuses on data analysis, modeling techniques and their applications with statistical inference for agriculture. This course will cover statistical tools applied in agriculture, including probability, sampling, principles of estimation, hypothesis testing, general linear models, multiple regression analysis, qualitative response modeling, and other related tools widely used in agriculture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5301. Agricultural Development and Policy.
This course focuses on current issues that integrate agricultural policy, resource development, application of welfare criteria and economic analysis, and food and rural development problems of the U.S. and the world. Course topics include integrated agricultural and rural development, food and nutrition security, commodity issues, and trade policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5302. Economics of Agricultural Production.
This course focuses on analysis of agricultural production economic concepts and models. Topics will include traditional neo-classical theory of the firm, duality theory, resource allocation, production selection, scale of operation of agricultural firms, and risk and uncertainty associated with agricultural production.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5303. Agricultural Marketing and Price Analysis.
This course emphasizes marketing theory and structure, characteristics of demand and supply of farm products, agricultural price research techniques for evaluating marketing behavior, market legislation, and market development. The course will provide an opportunity for students to develop marketable skills in quantitative price and market analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5304. Economics of Sustainable Natural Resource Management.
This course provides economic tools to analyze sustainable natural resources and environmental issues. It enables students to develop integrative expertise in economic analysis utilizing natural and behavioral sciences. The integrative expertise provides students with the ability to more effectively, efficiently, and sustainably manage natural resources for multiple objectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5310. Research Methods in Integrated Agricultural Sciences.
This course covers research techniques, literature analysis, the development and implementation of experimental designs, conceptual models and survey instruments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5320. Integrated Agricultural Production in Aquaponic Systems.
This course focuses on crop and fish production, pest management, water quality, nutrient management, and economics and marketing in aquaponic systems. Topics covered include contrasts and comparisons to soil based, hydroponic cropping and aquaculture (confined fish production without crop interactions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5323. Composting and Integrated Resource Management.
The course provides experience and theoretical foundation for the basic design, production, management, utilization and marketing of composts, vermicomposts and related products, and non-renewable natural resource issues related to agriculture.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5324. Agroecology and Integrated Agriculture.
This course will focus on integrative and ecological principles of agricultural production. Emphasis will be on sustainable agriculture, complex systems, production diversity, integrated animal-crop systems, resilience and small producers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5350. Foundations of Ethics and Leadership in Agriculture.
This course prepares students for professional leadership and service in agriculture, with emphasis on applications of ethics and leadership principles. The course will focus on industry ethics and leadership theory in various professional settings in agriculture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5351. Grant Development and Management.
This course explores competencies of locating external agency funding for agricultural research, teaching and extension. The principles of producing a competitive proposal that includes multi-, cross and inter-disciplinary collaborations are also discussed. The development of the grant proposal, implementation, budget, and evaluation plan will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5352. Program Development and Evaluation.
This course examines philosophies of program development, implementation and evaluation to meet stakeholders' expectations. Emphasis is placed on methodologies that effectively evaluate agricultural programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5354. Instructional Design in Agricultural Education.
This course examines instructional design models appropriate from a pedagogical and andragogical viewpoint. Emphasis is placed on theories and models to support the design of print-based, web-based, or multimedia-based instruction. Students will prepare evaluation strategies to assess comprehensive instruction in a high-tech environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5355. Methods of Technological Change.
This course explores the dynamics and culture of technological change in agriculture. Topics covered will include ways to implement change, skills for being an innovator and a change agent, how to predict the effects of change, and the integration of other sciences into agricultural sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5360. Advancements in Animal Science.
Survey of the current knowledge and concepts in animal production including economic considerations and current production problems in breeding and feeding livestock.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5361. Food Technology and Meat Science.
This course explores the science and instrumentation of meat science; including food safety, processing and evaluation of wholesale and retail cuts of beef, pork, lamb, and poultry; including fresh, cooked/smoked, grilled, and pickled products. The evaluation of consumer preference and economic returns based on product presentation will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5362. Advanced Animal Science: Minerals and Vitamins in Animal Nutrition.
This course is an advanced study of the utilization and requirements of minerals and vitamins in farm and ranch animals. It emphasizes ruminant and non-ruminant mineral and vitamin metabolism and utilization. The utilization of specific minerals and vitamins by different species will be used to explain and predict subsequent performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5364. Biology of Reproduction in Farm Animals.
This course will focus on animal agriculture reproduction and examine the molecular principles of reproduction. Topics will include molecular reproductive endocrinology, advanced physiology and current research in animal reproduction science.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5365. The Role of Animal Science in Society: An Integrated Approach.
This course provides students with a broad understanding of the role animals have in society, the influences of animal production on economic development, changes in policy and social viewpoints of animal production, and the development of domesticated animals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5370. Special Problems in Technical Agriculture.
Special problems will be selected to meet the needs of the individual student. May be repeated (once) for additional credit when the problem differs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

AG 5390. Foundation Studies in Agriculture.
This course is a leveling course to provide prerequisite knowledge necessary for graduate-level coursework in Agriculture. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 9 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AG 5398. Professional Paper.
This course is required for non-thesis students to prepare a professional paper of publishable quality. Graded on a credit (CR), no-credit (F) basis. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

AG 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Integrated Agricultural Sciences. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AG 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AG 5426. Soil Health and Development.
This course focuses on the fundamental topics of soil health and development. These fundamentals include pedogenesis, mineral composition, tillage practices, soil ecosystem and sustainability, soil biology and soil physics.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5463. Animal Molecular Genetics.
This course examines the theory and practice of molecular genetics of livestock. Topics covered include genetic concepts and theory, as well as applications of these concepts in animal agriculture; e.g., Mendelian genetics, genomic revolution, cloning, epigenetics and transgenics. The course emphasizes techniques and underlying biological principles in genetics.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AG 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Integrated Agricultural Sciences (Thesis Option)

Based on a multidisciplinary approach, the Master of Science (M.S.) degree with a major in Integrated Agricultural Sciences will expose students to the breadth of agriculture, and provide opportunities for them to integrate what they learn across different courses. Students will be able to enhance their depth of knowledge in the focus area of their choice: agricultural business, economics and policy; agricultural education; animal science; or crop and soil science. Graduates will develop a 21st century expertise with theoretical and practical skills necessary to analyze, optimize, and apply their knowledge to complex agro-systems. The rigorous interdisciplinary agriculture curriculum will provide exposure to real-world applications, for students to develop technical and leadership skills necessary for an effective career in addressing and solving food and agricultural issues. Each student's degree will culminate in either thesis-based research or in a non-thesis professional paper.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in agriculture, biology, chemistry, economics, education, or a closely related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- resume/CV detailing prior work experience, research experience, awards, scholarships, and other related qualifications
- statement of interest (two-page maximum) including research interests, plans for graduate study, and professional aspirations and describing how the student's scholarly interests and relevant skills can be utilized in the program to pursue those goals
- three letters of recommendation from non-related individuals familiar with the student's scholarly work and/or relevant work experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Integrated Agricultural Sciences requires 36 semester credit hours, including a thesis. The major and supportive courses are to be taken with the advice and consent of the student's advisory committee, which consists of three or more faculty selected in consultation with the graduate advisor.

Non-credit (leveling) course work may be required prior to admission into the program if the student lacks sufficient background course work. Any required leveling course work must be completed with grades of B or better prior to admission.

Course Requirements

Code	Title	Hours
Required Courses		
AG 5300	Applied Statistics and Econometrics for Agriculture	3
or MATH 5376E	Analysis of Variance	
AG 5301	Agricultural Development and Policy	3
AG 5310	Research Methods in Integrated Agricultural Sciences	3
AG 5324	Agroecology and Integrated Agriculture	3
AG 5350	Foundations of Ethics and Leadership in Agriculture	3
AG 5365	The Role of Animal Science in Society: An Integrated Approach	3
Electives		
Choose 12 hours from the following:		12
AG 5101	Research Experience	
Agricultural Business, Economic and Policy Research Area:		
AG 5302	Economics of Agricultural Production	
AG 5303	Agricultural Marketing and Price Analysis	
AG 5304	Economics of Sustainable Natural Resource Management	
QMST 5335	Forecasting and Simulation	
Crops and Soils Research Area:		
AG 5120	Aquaponic Internship	
AG 5320	Integrated Agricultural Production in Aquaponic Systems	

AG 5323	Composting and Integrated Resource Management	
AG 5426	Soil Health and Development	
BIO 5412	Plant Anatomy	
GEO 5415	Geographic Applications of Remote Sensing	
TECH 5382	Sustainability in Industrial Management	
Agriculture Education and Leadership Research Area:		
AG 5351	Grant Development and Management	
AG 5352	Program Development and Evaluation	
AG 5354	Instructional Design in Agricultural Education	
AG 5355	Methods of Technological Change	
ADED 5382	Foundations of Adult Education	
SOCI 5309	Seminar in Qualitative Research Methods	
Animal Science Research Area:		
AG 5361	Food Technology and Meat Science	
AG 5362	Advanced Animal Science: Minerals and Vitamins in Animal Nutrition	
AG 5364	Biology of Reproduction in Farm Animals	
AG 5463	Animal Molecular Genetics	
BIO 5413	Parasitology	
Thesis		
AG 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
AG 5199B	Thesis	
AG 5299B	Thesis	
AG 5399B	Thesis	
AG 5599B	Thesis	
AG 5999B	Thesis	
Total Hours		36

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.

2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Agriculture: AG

Courses Offered

Agriculture (AG)

AG 5100. Professional Development.
This course introduces key concepts and practices for teaching college courses. It provides regular in-service training and planned periodic evaluations of instructional responsibilities. It is required for first-year teaching and instructional assistants in the Master's of Science in Integrated Agricultural Sciences. Graded on a credit (CR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AG 5101. Research Experience.
This course provides students with an opportunity to explore a focused research topic. Ideally the topic would be an emergent topic within their research area that was unplanned and resulted from their initial investigation. May be repeated twice for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

AG 5120. Aquaponic Internship.
This course provides students with hands-on production experience in aquaculture. Students will complete 64 hours of internship with an aquaponic facility.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

AG 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AG 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AG 5300. Applied Statistics and Econometrics for Agriculture.
This course focuses on data analysis, modeling techniques and their applications with statistical inference for agriculture. This course will cover statistical tools applied in agriculture, including probability, sampling, principles of estimation, hypothesis testing, general linear models, multiple regression analysis, qualitative response modeling, and other related tools widely used in agriculture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5301. Agricultural Development and Policy.
This course focuses on current issues that integrate agricultural policy, resource development, application of welfare criteria and economic analysis, and food and rural development problems of the U.S. and the world. Course topics include integrated agricultural and rural development, food and nutrition security, commodity issues, and trade policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5302. Economics of Agricultural Production.
This course focuses on analysis of agricultural production economic concepts and models. Topics will include traditional neo-classical theory of the firm, duality theory, resource allocation, production selection, scale of operation of agricultural firms, and risk and uncertainty associated with agricultural production.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5303. Agricultural Marketing and Price Analysis.
This course emphasizes marketing theory and structure, characteristics of demand and supply of farm products, agricultural price research techniques for evaluating marketing behavior, market legislation, and market development. The course will provide an opportunity for students to develop marketable skills in quantitative price and market analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5304. Economics of Sustainable Natural Resource Management.
This course provides economic tools to analyze sustainable natural resources and environmental issues. It enables students to develop integrative expertise in economic analysis utilizing natural and behavioral sciences. The integrative expertise provides students with the ability to more effectively, efficiently, and sustainably manage natural resources for multiple objectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5310. Research Methods in Integrated Agricultural Sciences.
This course covers research techniques, literature analysis, the development and implementation of experimental designs, conceptual models and survey instruments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5320. Integrated Agricultural Production in Aquaponic Systems.
This course focuses on crop and fish production, pest management, water quality, nutrient management, and economics and marketing in aquaponic systems. Topics covered include contrasts and comparisons to soil based, hydroponic cropping and aquaculture (confined fish production without crop interactions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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AG 5323. Composting and Integrated Resource Management.
The course provides experience and theoretical foundation for the basic design, production, management, utilization and marketing of composts, vermicomposts and related products, and non-renewable natural resource issues related to agriculture.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5324. Agroecology and Integrated Agriculture.
This course will focus on integrative and ecological principles of agricultural production. Emphasis will be on sustainable agriculture, complex systems, production diversity, integrated animal-crop systems, resilience and small producers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5350. Foundations of Ethics and Leadership in Agriculture.
This course prepares students for professional leadership and service in agriculture, with emphasis on applications of ethics and leadership principles. The course will focus on industry ethics and leadership theory in various professional settings in agriculture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5351. Grant Development and Management.
This course explores competencies of locating external agency funding for agricultural research, teaching and extension. The principles of producing a competitive proposal that includes multi-, cross and inter-disciplinary collaborations are also discussed. The development of the grant proposal, implementation, budget, and evaluation plan will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5352. Program Development and Evaluation.
This course examines philosophies of program development, implementation and evaluation to meet stakeholders' expectations. Emphasis is placed on methodologies that effectively evaluate agricultural programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5354. Instructional Design in Agricultural Education.
This course examines instructional design models appropriate from a pedagogical and andragogical viewpoint. Emphasis is placed on theories and models to support the design of print-based, web-based, or multimedia-based instruction. Students will prepare evaluation strategies to assess comprehensive instruction in a high-tech environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5355. Methods of Technological Change.
This course explores the dynamics and culture of technological change in agriculture. Topics covered will include ways to implement change, skills for being an innovator and a change agent, how to predict the effects of change, and the integration of other sciences into agricultural sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5360. Advancements in Animal Science.
Survey of the current knowledge and concepts in animal production including economic considerations and current production problems in breeding and feeding livestock.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5361. Food Technology and Meat Science.
This course explores the science and instrumentation of meat science; including food safety, processing and evaluation of wholesale and retail cuts of beef, pork, lamb, and poultry; including fresh, cooked/smoked, grilled, and pickled products. The evaluation of consumer preference and economic returns based on product presentation will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5362. Advanced Animal Science: Minerals and Vitamins in Animal Nutrition.
This course is an advanced study of the utilization and requirements of minerals and vitamins in farm and ranch animals. It emphasizes ruminant and non-ruminant mineral and vitamin metabolism and utilization. The utilization of specific minerals and vitamins by different species will be used to explain and predict subsequent performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5364. Biology of Reproduction in Farm Animals.
This course will focus on animal agriculture reproduction and examine the molecular principles of reproduction. Topics will include molecular reproductive endocrinology, advanced physiology and current research in animal reproduction science.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5365. The Role of Animal Science in Society: An Integrated Approach.
This course provides students with a broad understanding of the role animals have in society, the influences of animal production on economic development, changes in policy and social viewpoints of animal production, and the development of domesticated animals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5370. Special Problems in Technical Agriculture.
Special problems will be selected to meet the needs of the individual student. May be repeated (once) for additional credit when the problem differs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

AG 5390. Foundation Studies in Agriculture.
This course is a leveling course to provide prerequisite knowledge necessary for graduate-level coursework in Agriculture. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 9 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AG 5398. Professional Paper.
This course is required for non-thesis students to prepare a professional paper of publishable quality. Graded on a credit (CR), no-credit (F) basis. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

AG 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Integrated Agricultural Sciences. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AG 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AG 5426. Soil Health and Development.
This course focuses on the fundamental topics of soil health and development. These fundamentals include pedogenesis, mineral composition, tillage practices, soil ecosystem and sustainability, soil biology and soil physics.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5463. Animal Molecular Genetics.
This course examines the theory and practice of molecular genetics of livestock. Topics covered include genetic concepts and theory, as well as applications of these concepts in animal agriculture; e.g., Mendelian genetics, genomic revolution, cloning, epigenetics and transgenics. The course emphasizes techniques and underlying biological principles in genetics.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AG 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

School of Criminal Justice

Hines Academic Center Room 108
Telephone: 512-245-2174 Fax: 512-245-8063
http://www.cj.txstate.edu/

Located in the Hines Academic Center, the School of Criminal Justice offers master's- and doctoral-level curricula that address a wide range of social issues and research opportunities.

The School of Criminal Justice is a vibrant department, with approximately 50 master's students and 40 doctoral students. Full-time faculty members are involved in educating students as well as engaging in a wide range of research endeavors. The School of Criminal Justice also administers a number of institutes and centers, such as the Center for Geospatial Intelligence and Investigation and the Advanced Law Enforcement Rapid Response Training (ALERRT).

The goals of the department are two-fold:

1. the preparation of competent and responsible public servants to assume roles in criminal investigation and apprehension, agency administration, prosecution, and correctional services, and
2. the preparation of graduates with advanced theoretical knowledge and research skills in criminal justice for leadership roles in academic, public policy, and administrative positions.

These goals are pursued in the context of a broad university curriculum that provides a foundation of knowledge necessary to function in a challenging world.

Doctor of Philosophy (Ph.D.)

- Major in Criminal Justice (p. 755)

Master of Science in Criminal Justice (M.S.C.J.)

- Major in Criminal Justice (Executive Concentration Non-thesis Option) (p. 762)
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Doctor of Philosophy (Ph.D.) Major in Criminal Justice

Program Overview

The School of Criminal Justice at Texas State offers a doctoral program for:

1. criminal justice professionals who seek advanced education and
2. students who will pursue academic appointments at colleges and universities in Texas and around the nation.

Texas State is located in the heart of the central Texas corridor, near 16 state criminal justice offices and 13 Texas counties, including Travis (Austin) and Bexar (San Antonio). The university's geographic proximity to state criminal justice agency headquarters for law enforcement, criminal courts, and corrections, and to managers and executives in these agencies, makes it an ideal location for offering a doctoral-degree program.

The doctoral program is part of a vibrant school, with approximately 1000 bachelor's students and 30 master's students. Twenty-three full-time faculty members are involved in a wide range of research. A list of faculty and their research interests is available at http://www.cj.txstate.edu/people/faculty. The School of Criminal Justice also administers a number of institutes and centers, including the Center for Geospatial Intelligence and Investigation and the Advanced Law Enforcement Rapid Response Training Center (ALERRT).

Courses are offered in the evenings for the convenience of working professionals. Students are classified as either full-time (nine hours per term) or part-time. All students will be given the opportunity to initiate, complete, present, and publish original research. Each student develops an appropriate degree plan to meet their career and academic goals. The degree plan will include a mix of theoretical, analytical, and elective courses that will prepare students to work independently and in multidisciplinary teams.

It is expected that students will pursue their courses and research activities in an efficient and timely manner. If it is determined that a student is not making adequate progress toward completion of the doctoral degree requirements, consultations will be undertaken between the student, the student's dissertation chair (when applicable), the program director, and the School's doctoral executive council to develop a remediation plan, which may include revising a student's program of study or research. Failure to successfully remedy documented deviancies will result in termination of the student's enrollment in the doctoral program at the discretion of the doctoral executive council. Students removed from the doctoral program in this manner may appeal to the dean of The Graduate College for reinstatement in the program.

Educational Goal

The central educational goal of the Ph.D. program in criminal justice at Texas State is to prepare doctoral students to assume leadership roles in academic, public policy, and administrative positions within a rapidly changing criminal justice system. The Ph.D. program produces outstanding researchers who are qualified for academic positions and prepares practitioners to conduct research in criminal justice agencies. The school has developed a programmatic perspective that is sensitive to the importance of research skills, balanced with theoretically informed policy analysis, so that students can more effectively address the challenges in criminal justice in Texas and across the nation. Students gain expertise to apply statistically advanced research methodologies to conduct empirical studies in crime, law, public policy, and administration of the criminal justice system.

Other educational goals and objectives are to:

- Identify the theoretical perspectives and foundations of current research in the study of crime, law, and public policy decision-making undertaken by criminal justice agencies to assist law enforcement, court personnel, and corrections staff to plan, develop, and implement timely, efficient, and sound responses to crime.
- Apply precise, empirically validated, and tested research methods to investigate, analyze, and improve theory and policy to provide policy makers with the most current research and applicable technology to address emergent public safety growth areas.
- Communicate effectively to educate and inform professional managers and administrators of criminal justice agencies, their service personnel (e.g., police) and the community at-large about the 'best practices' for addressing the control of crime at the neighborhood, community, state, and national levels.
- Recognize ethical dilemmas and make ethically sound decisions to ensure that recommended criminal justice policy becomes a useful guide, if not benchmark procedure, for executives and heads of criminal justice agencies as they develop their strategic plans to address crime and public safety at the local, state, and national levels.

Apply a broad understanding of the legal and empirical elements of criminal justice administration in leadership positions to encourage current and future working professionals and executives in criminal justice agencies to incorporate more comprehensive training using the 'best practices' in leadership and management theory when developing, planning, and implementing policies that effect their own agencies and the surrounding communities they serve.

Financial Assistance

Assistantships and scholarships are available to qualified applicants. The School of Criminal Justice offers doctoral instructional assistantships and teaching assistantships on a competitive basis to full-time students enrolled in the criminal justice Ph.D. program. An offer of financial support will normally be made at the time that a student is accepted into the program. The Graduate College can provide further information regarding scholarships.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree in criminal justice or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.5 GPA in all completed graduate course work
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- statement of purpose describing the student's personal history and life goals that are relevant to obtaining a doctoral degree
- three letters of recommendation indicating the student's skills and capacity to be successful in the Ph.D. program

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Criminal Justice requires 51 semester credit hours.

All doctoral students are required to enroll in CJ 7309 Proseminar during their second or third year to learn about the criminal justice discipline, teaching, publishing, grants and fellowships, writing dissertations, and post-doctoral employment. Doctoral students selected for teaching assistantships will be required to enroll in CJ 7301 Instructional Assistant Supervision during the first semester they teach.

Course Requirements

Code	Title	Hours
First-Year Required Courses		
CJ 7311	Advanced Criminological Theory	3
CJ 7320	Quantitative Research Methods	3
CJ 7321	Linear Regression for Criminal Justice Research	3
CJ 7323	Applied Statistics and Quantitative Data Analysis	3
Required Course		
CJ 7309	Proseminar	3
Area Electives		
Criminal Justice System (Choose 3 hours from the following)		3
CJ 7310	Philosophy of Law, Justice, and Social Control	
CJ 7312	Criminal Justice Ethics, Administration, and Public Policy	
CJ 7314	Policing	
CJ 7315	Corrections	
Advanced Statistics (Choose 3 hours from the following)		3
CJ 7350A	Forecasting, Trend Analysis, and Data Interpretation	
CJ 7350E	Discrete Multivariate Models	
CJ 7350I	Introduction to Structural Equation Modeling	
Advanced Research Methods (Choose 3 hours from the following)		3
CJ 7322	Advanced Research for Planning and Evaluation	
CJ 7330	Qualitative Research Methods	
CJ 7336	Survey Research Methods for Criminal Justice	
Nature and Causes of Crime (Choose 3 hours from the following)		3
CJ 7313	Race and Ethnicity in Crime and Criminal Justice	
CJ 7350F	Environmental Criminology	
CJ 7350G	Seminar in Macro Criminology	
CJ 7350L	Sex Offenders: Theory, Research & Policy	
Electives		
Choose 12 hours from the following or from courses not taken in the Area Electives:		12
CJ 7331	Law and Behavioral Science	
CJ 7332	Law and Public Policy	
CJ 7334	Organizational Theory	
CJ 7335	Criminal Justice Leadership and Management	
CJ 7337	Comparative Criminal Justice Systems, Philosophies, and Public Policy	
CJ 7350B	Academic Scholarship and Communication	
CJ 7350C	Qualitative Data Collection, Coding and Analysis	
CJ 7350K	Criminal Justice Forecasting and Policy Analysis	
CJ 7360	Independent Study	
May choose advisor-approved electives from outside the school		
Dissertation		
Choose a minimum of 12 hours from the following:		12
CJ 7199	Dissertation	
CJ 7299	Dissertation in Criminal Justice	
CJ 7399	Dissertation	
CJ 7599	Dissertation in Criminal Justice	
CJ 7699	Dissertation in Criminal Justice	
CJ 7999	Dissertation in Criminal Justice	
Total Hours		51

Qualifying Examination

All students take a qualifying examination one to two weeks after completion of their first year in the program. The qualifying examination integrates criminological theory, quantitative methods, and regression. The examination is graded by those professors who taught the first-year required courses or those in a pool who have previously taught the

courses. One re-examination is offered at midsummer for those who fail. Students who fail the re-examination will be dismissed from the program.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Application for Advancement to Candidacy

Students can download the "Application for Advancement to Candidacy form" from The Graduate College website. The student should complete and sign the upper portion of the form and return it to the program director. When all requirements for admission to candidacy have been met (completion of course-work, a passing grade on the comprehensive examination, approval of dissertation chair and committee, and submission of an approved dissertation proposal), the program director will forward the Application for Advancement to Candidacy form to the dean of The Graduate College for review and approval.

The dean of The Graduate College approves advancement to candidacy once all requirements are met and at the recommendation of the program director.

In addition, before advancement to candidacy, students are required to complete the following:

1. Completion of all courses toward the doctoral degree with a GPA of 3.5 or higher on a 4.0 scale.
2. Passing grade on the comprehensive examination. "Pass" is the only satisfactory grade.
3. The student must select a dissertation chair, and that chair must be approved by the doctoral executive council. The student also must select a dissertation committee comprised of three additional members of the doctoral faculty, one of whom must be an external member from outside the School of Criminal Justice of Texas State University.
4. The student must choose a topic with the approval of the student's dissertation advisor and committee.
5. The student will submit a title and a written proposal for the dissertation to the student's dissertation committee and successfully defend the proposal in an oral presentation with the dissertation committee. The proposal will include a statement of the problem to be studied, a discussion of the relevant literature, and the research method of the proposed dissertation topic.
6. The program director will make a recommendation to the graduate dean who makes the final decision on the student's advancement to candidacy. The Graduate College will notify the student once the decision has been made.

Advancement to Candidacy Time Limit

Full-time, traditional students should be advanced to candidacy within five years of initiating Ph.D. course-work applied toward the degree. Non-traditional, part-time students may request extensions from the Doctoral Executive Council as long as they maintain a GPA of 3.0 and are making consistent progress toward fulfilling their degree requirements. The Doctoral Executive Council will review part-time students' requests for extensions on an individual, case-by-case basis.

No credit will be applied toward a student's doctoral degree for course-work completed more than five years before the date on which the student is admitted to candidacy. This time limit applies to course credit earned at Texas State, as well as course credit transferred to Texas State from other accredited institutions.

Grade-Point Requirements for Advancement to Candidacy

A minimum GPA of 3.0 on all course work undertaken as a doctoral student in the criminal justice program is required for admission to candidacy. No grade earned below "B" on any course work may apply toward a Ph.D. degree in criminal justice at Texas State.

Incomplete grades must be cleared through The Graduate College at least ten days before approval for advancement to candidacy will be granted.

Dissertation Proposal

A dissertation proposal prepared by the student and approved by the student's dissertation chair and a majority of the other members of the dissertation committee is a requirement for Advancement to Candidacy status. The proposal must outline the substance and scope of the dissertation research, present the methodology to be used, and survey the relevant literature. The student's dissertation chair and other dissertation committee members must indicate approval of the dissertation proposal on the "Dissertation Proposal and Proposal Defense" form. This form can be downloaded from The Graduate College website. A final copy of the dissertation proposal, accompanied by the signed approval form, must be turned in to the program director, who will forward it to the dean of The Graduate College for review and final approval.

Advancement to Candidacy Comprehensive Examination

The comprehensive exam involves completion of an empirical research project (with data analysis) and a single-authored article about it (not to exceed 6,000 words, excluding references) that, in the examination committee's view, is suitable for publication in a refereed journal. The purpose of the comprehensive exam is to assess a student's ability to critically assess previous research on a topic, develop a research question on it, and complete independent research to address the question. Students need to disclose to the examining committee if the article originated in a class or if there are other potential conflicts with it.

The examining committee is comprised of a chair and two other members. All must be members of the doctoral faculty, and the chair must be a member of the Core Doctoral Faculty. The chair is chosen by the student, and the other two committee members are chosen at random by the Doctoral Program Director from a list of doctoral faculty members. A form with the committee's composition must be filed with Doctoral Program Director when the committee is constituted. The committee must be constituted no later than when a student has completed 27 hours of doctoral coursework. The committee must approve the topic for a student's article, and a written description of the topic will be distributed to all members of the doctoral faculty. The examining committee's assessment of the student's article will be based on: (1) the quality of the research question, (2) the appropriateness of the methods and data analysis, (3) the adequacy of the articles connection to previous research, (4) the appropriateness of the interpretations of the data analysis, and (5) the quality of writing. A simple majority vote (2 of 3) is sufficient for deciding a grade. After completing 27 hours of coursework, a student can submit an article to their committee for grading. A student has until the semester after, they have completed 39 hours of doctoral coursework to receive a passing grade on an article. If a

passing grade is not achieved by this point, the student will be dismissed from the program. Articles can be submitted for grading to the examining committees during the first three weeks of the fall semester or the first three weeks of spring semester.

The examining committee will have graded a submitted article within three weeks of receiving it. The grade options are "pass", "fail", and "revise and resubmit." If a student's article is assigned a "revise and resubmit," the student will have one semester to submit a revised version in order to receive a passing grade. The chair of the student's committee will summarize in writing what changes need to be considered in the revision for a "pass." If a student's article is assigned a "fail," the student will have one semester to submit an article on a new topic and receive a passing grade for it. The chair of the student's committee will explain in writing reasons for the failure. The same three graders will be used for an article that is assigned a "revise and resubmit." A student can select a new committee chair for a "failed" article, and two new committee members will be assigned by the Doctoral Program Director. In the event that a student's second resubmission of an article is assigned a "fail," the student will be dismissed from the program.

Full-time, traditional students are expected to pass their comprehensive examination by the end of their third year. For non-traditional, part-time students, the three years can be extended on an individual, case-by-case basis. However, extensions will require the approval of the doctoral council.

Recommendation for Advancement to Candidacy

The program director recommends the applicant for Advancement to Candidacy. Students must submit an official "Application for Advancement to Candidacy" form when all requirements are met (completion of coursework, a passing grade on the comprehensive examination, approval of dissertation chair/committee, and submission of an approved dissertation proposal). This form can be downloaded from the Graduate College website. The results of the comprehensive examination and the completed Application for Advancement to Candidacy form must be filed in the Graduate College before the dean of The Graduate College gives final approval to candidacy. The Program director is responsible for submitting these forms to The Graduate College.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must present a systematic inquiry into a relevant research question, be informed by prior research, and add to the body of knowledge in the field. In most cases, the research will be quantitative in nature, although qualitative or legal research may be utilized in some cases. It is expected that the dissertation will provide the content for one or more publishable articles in academic journals.

Students are required to complete the following dissertation requirements:

1. The student will complete the dissertation, which must be an original contribution to scholarship and the result of independent research in a significant area of criminal justice. The student is expected to write the dissertation and orally defend it in an announced public presentation within three years of the official date of being advanced to candidacy. Questions posed to the student are initially limited to the dissertation committee membership. However, at the discretion of the presiding chair and when time permits, questions will also be solicited from the attending public audience. The approval of the dissertation requires the approval of the dissertation chair and the approval of a majority of the other members of the committee. A written notice of the dissertation committee's approval will be forwarded to the program director and then to the graduate dean.
2. If the dissertation committee decides not to approve the candidate's dissertation, the dissertation chair will prepare a written response to the doctoral executive council, accounting for the decision and outlining the steps required for approval. These steps will also be communicated to the candidate.
3. The student will submit the final, approved dissertation to The Graduate College in the prescribed format.
4. The program director will conduct a final review of the coursework and recommendation from the student's dissertation committee before making a recommendation to the graduate dean that the student be awarded the Ph.D. degree with a major in criminal justice. The graduate dean will certify that the student has met all of the requirements and can be awarded the degree.

Dissertation Enrollment Requirements

After being admitted to candidacy, students must be continuously enrolled for dissertation hours each term until the defense of their dissertation. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours during the semester in which the degree is to be conferred. Students must complete a minimum of 12 semester hours of dissertation credit.

Dissertation Time Limit

It is expected that the dissertation will, in most cases, be completed in two terms of concentrated effort and in no more than six terms. Students must appeal to the doctoral executive council for an extension beyond six terms. The student must pass an oral defense of their dissertation before final completion of the doctoral program.

Dissertation Committee

The dissertation committee will oversee the research progress of a doctoral student and the writing of the student's dissertation. The committee will consist of at least four members, including the student's dissertation chair and three additional members of the doctoral faculty, one of whom must be an external member from outside the School of Criminal Justice of Texas State University. The student's dissertation chair will be a member of the core doctoral faculty in the School of Criminal Justice. The student, program director, school director, and the dean of The Graduate College will approve the composition of dissertation committee. The student is responsible for obtaining committee members' signatures on the "Dissertation/Research Advisor Assignment form: and the "Dissertation Committee Request form" which can be downloaded from the Graduate College website.

Dissertation Defense

The dissertation defense may not be scheduled until all other academic and program requirements have been fulfilled. A complete draft of the dissertation must be given to the members of the dissertation committee at least 65 days before the date of commencement during the term in which the student intends to graduate. After committee members have reviewed the draft with the student and provided comments, the student, in consultation with the dissertation chair, will incorporate the recommended changes into a second draft of the dissertation.

When each committee member is satisfied that the draft dissertation is defendable, the dissertation defense may be scheduled.

The student is expected to orally defend the dissertation in an announced public presentation within three years of the official date of being advanced to candidacy. Questions posed to the student are initially limited to the dissertation committee. However, at the discretion of the dissertation chair and when time permits, questions will also be solicited from the attending public audience. The approval of the dissertation requires the approval of the dissertation chair and the approval of a majority of the other members of the committee. A written notice of the dissertation committee's approval will be forwarded to the program director, and then to the dean of The Graduate College. Specific information on the examination procedure can be found in the School of Criminal Justice Ph.D. Handbook or obtained from the doctoral director.

Approval and Submission of the Dissertation

Following approval of the dissertation by the members of the dissertation committee, the student must submit one copy of the dissertation and a signed "Thesis/Dissertation Committee Approval form" to the office of The Graduate College for final approval. Specific guidelines for approval and submission of the dissertation can be obtained from The Graduate College.

Doctoral level courses in Criminal Justice: CJ

Courses Offered

Criminal Justice (CJ)

CJ 7199. Dissertation.
Original research and writing in criminal justice to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester for at least three dissertation hours.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 7299. Dissertation.
Original research and writing in criminal justice to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester for at least three dissertation hours.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 7301. Instructional Assistant Supervision.
This course prepares doctoral students employed as research or teaching assistants to perform effectively in diverse instructional settings. The course provides for regular and planned opportunities for continuing evaluation of students. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CJ 7309. Proseminar.
This course introduces students to information that is useful to their success as Ph.D. students and after graduation. Topics include the criminal justice discipline, teaching, publishing, grants and fellowships, writing dissertations, and post-doctoral employment. Emphasis is placed on identifying and coordinating opportunities for research and scholarship among faculty and students. Must have completed 12 hours of doctoral credit in Criminal Justice to enroll in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7310. Philosophy of Law, Justice, and Social Control.
A current, thorough, and comprehensive review of the criminal justice system focused on how the system functions, and its current needs and future trends. Students submit extensive critiques and participate in panel discussions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7311. Advanced Criminological Theory.
An overview of the major criminological paradigms is presented focusing on the causes of crime and deviant behavior. The course includes a discussion of criminological theories from a philosophy of science perspective focusing on such issues as theory construction, theoretical integration, and the formal evaluation of theory and policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7312. Criminal Justice Ethics, Administration, and Public Policy.
This course addresses the role of ethics in criminal justice organizations and policymaking. Topics include the moral philosophy of criminal justice, the role of natural and constitutional law, codes of ethics and ethical review systems, and ethical decision-making by criminal justice professionals with attention to training issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7313. Race and Ethnicity in Crime and Criminal Justice.
An exploration of how issues related to racial and ethnic minorities and criminal behaviors impact criminal justice reactions. Topics include racial disparities related to law enforcement and sentencing, and policy implications related to policing, probation, pre-sentencing and post-release issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7314. Policing.
This course examines current problems in American policing and the role of research in their examination and solution. Official crime and victimization statistics and measure of police performance are explained, with a focus on their collection, development, limitations, and utility. Methods and issues in policing research are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7315. Corrections.
This course examines the history, forms, and functions of correctional institutions, their programs and policies, as well as theories of punishment. Topics include the structure and functions of prisons and jails, community corrections, intermediate sanctions, reentry, supermax prisons, and the death penalty.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7320. Quantitative Research Methods.
A course that demonstrates the practical aspects of conducting criminal justice research that uses quantitative methodologies and design. Topics include the philosophy of science; research ethics; methodological designs in establishing causation; nonexperimental/descriptive research; sampling techniques; secondary data sources and data gathering techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7321. Linear Regression for Criminal Justice Research.
Instruction on the use of advanced linear modeling techniques in criminal justice research is addressed. After completing this course, students should be able to evaluate quantitative research articles in the major criminal justice journals and be prepared to complete a major quantitative research project of their own.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7322. Advanced Research for Planning and Evaluation.
An introduction to evaluation and research design methodologies, assessment techniques including modeling and case studies, agency management issues, and on-going policy implications. Course gives students an understanding of the principles and techniques commonly used to evaluate the effectiveness and efficiency of criminal justice interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7323. Applied Statistics and Quantitative Data Analysis.
This is a course in statistics and data analysis for the purposes of original quantitative research. Topics include descriptive statistics, statistical inference for single and multivariable analysis, and principles underlying the techniques. This course makes extensive use of statistics software and data preparation techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7330. Qualitative Research Methods.
A discussion of the methods and techniques used for achieving interpretable qualitative results in social research. Topics covered include ethnography, focus groups, in-depth interviewing and case studies. Students will be trained in inductive reasoning and coordinating qualitative with quantitative methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7331. Law and Behavioral Science.
A review of the issues addressed in the application of the behavioral sciences to the criminal law system. Topics include criminal sanctions and diminished responsibility, civil commitment, victimology, psychology in the courtroom, the role of media, drugs, and alcohol to violence, and how the justice system reacts to violent offenders.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7332. Law and Public Policy.
An examination of the intersections between law and public policy, its effect on criminal justice administration, its role in a free society and the function of law as a tool of social change. Topics include affirmative action, race, gender, privacy rights, and the process of criminalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7334. Organizational Theory.
A critical examination of organizational theories with applications to criminal justice where students analyze the developmental state of organizational theory, including historical derivations and the implications of various theoretical paradigms for understanding the functional quality of criminal justice organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7335. Criminal Justice Leadership and Management.
A course focused on identifying problems and solutions in criminal justice management. The case study method and current literature provide a mixture of practical and educational experiences on how leadership styles, human resources, and the organizational environment impact management decisions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7336. Survey Research Methods for Criminal Justice.
This course addresses the procedures and techniques used to create social surveys including question formulation, metrics, and question scaling. Students learn how to prepare face-to-face, telephone, and mail surveys, and are trained in sampling procedures related to survey administration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7337. Comparative Criminal Justice Systems, Philosophies, and Public Policy.
A comprehensive study of law, including common, Roman, socialist, and religion-based, including a critical assessment of the major organizational, administrative, and philosophical principles governing the operation of criminal justice systems worldwide, with special attention to international criminal law and human rights.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7350A. Forecasting, Trend Analysis, and Data Interpretation.
A review of quantitative approaches to public policy analysis, the diverse conceptions of the goals and objectives that should be served by policy, and the appropriate role of the policy analyst. Policy consequences are traced to indirect and subtle incentives and disincentives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 7350B. Academic Scholarship and Communication.
A course on conducting academic research, interpreting results and how to prepare manuscripts for publication in refereed journals. Included is a survey of the audiences, topical focus, and submission requirements of the major criminal justice, criminology, and law publications, along with specialized knowledge on achieving success in the scholarship environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 7350C. Qualitative Data Collection, Coding and Analysis.
This course takes a structured approach to understanding and implementing the various information collection methods used in qualitative research, including formatting the information for coding, coding schemes, and information interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 7350E. Discrete Multivariate Models.
This course focuses on regression models for discrete outcome variables, sometimes called limited or categorical dependent variables. Topics include maximum likelihood estimation, binary and multinomial logistic models and negative binomial models. Prerequisite: CJ 7321 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 7350F. Environmental Criminology.
Crime distributes unevenly in space/time. As such, the course examines such questions as (1) What places are dangerous? (2) Why do we study specific crime types? (3) Where do crime types concentrate? (4) Where do offenders go in their normal activities? (5) What are the temporal patterns for crime? Prerequisite: CJ 7311 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 7350G. Seminar in Macro Criminology.
This course has a macro focus, examining criminological theory and research that takes cities, geographical regions, states, and nations as the units of comparison. The importance and relevance of macro criminology for understanding the causes of crime and key criminal justice issues, such as police resources, are explored in depth. Prerequisite: CJ 7311 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 7350I. Introduction to Structural Equation Modeling.
The course provides an introduction to structural equation modeling, which is sometimes called mean and covariance structure analysis or latent variable analysis. Topics include recursive and non-recursive models, path analysis, measurement models, and factor analysis. Prerequisite: CJ 7321 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 7350K. Criminal Justice Forecasting and Policy Analysis.
This course examines the inputs and outputs of criminal justice programs. It covers forecasting methods using statistical bootstrapping techniques including line fitting methods, moving averages, cohort propagation matrixes, and systems simulations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 7350L. Sex Offenders: Theory, Research & Policy.
This course will focus on application of theory to explain sexual offenses, research design issues related to researching this salient population of offenders (e.g., ethical issues, gaining IRB approval, research design limitations, social desirability problems in self-report data, and examining available data sources), and examining policy related issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 7360. Independent Study.
Students will work closely with a particular doctoral faculty member and develop in-depth knowledge in a specific topic area of criminal justice. Topics vary according to a student's program needs. Repeatable once for credit with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CJ 7399. Dissertation.
Original research and writing in criminal justice to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 7599. Dissertation.
Original research and writing in criminal justice to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester for at least three dissertation hours.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 7699. Dissertation.
Original research and writing in criminal justice to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 7999. Dissertation.
Original research and writing in criminal justice to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science in Criminal Justice (M.S.C.J.) Major in Criminal Justice (Executive Concentration Non-thesis Option)

The School of Criminal Justice offers a Master of Science in Criminal Justice (M.S.C.J.) degree with a major in Criminal Justice. The M.S.C.J. degree has two concentrations, Research and Executive. Each concentration requires 30 hours; the Research Concentration has a thesis option and a non-thesis option, while the Executive Concentration has a non-thesis option only. The curriculum for the Research Concentration provides for the development of theoretical, methodological, and analytical skills in order to evaluate and conduct scientific inquiry into terminological and criminal justice issues. The curriculum for the Executive Concentration provides for the development of skills in criminal justice program planning, implementation, and evaluation to ensure a meaningful contribution to this important area of community and human services.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in criminal justice or related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- resume/CV
- statement of purpose indicating career aspirations and reasons for pursuing the M.S.C.J. program

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science in Criminal Justice (M.S.C.J.) degree with a major in Criminal Justice (Executive Concentration with Non-thesis Option) requires 30 semester credit hours. Students will be required to complete a professional quality paper. A committee composed of three graduate faculty members must approve this paper.

Course Requirements

Code	Title	Hours
Required Courses		
CJ 5310	Administration of Justice	3
CJ 5315	Advanced Research Methods in Criminal Justice	3
CJ 5325	Statistics for Criminal Justice	3
Prescribed Electives		
CJ 5330	Management Principles in Criminal Justice	3
CJ 5340	Personnel Practices in Criminal Justice	3
Electives		
Choose 12 hours of advisor-approved electives		12
CJ 5311	Administrative Law in Criminal Justice	
CJ 5320	History and Philosophy of Justice	
CJ 5321	Current Legal Issues in Criminal Justice	
CJ 5322	Police in Society	
CJ 5323	Special Operation Units	
CJ 5324	Investigations	
CJ 5350	Current Issues in Criminal Justice	
CJ 5360	Independent Studies in Criminal Justice	
CJ 5380A	Ethics and the Criminal Justice System	
CJ 5380F	Police Problem-Solving Practicum	
CJ 5380I	Race, Class, and Crime	
CJ 5380L	Geospatial Intelligence and Geographic Profiling	
CJ 5380M	Crime Analysis	
Professional Paper		
CJ 5370	Professional Paper	3
Total Hours		30

Additional Course Requirements

Any student accepted into the M.S.C.J. program may be required to take undergraduate course work in criminal justice as a prerequisite to graduate course work.

Comprehensive Examination

All students must pass an oral comprehensive examination. The purpose of this examination is to provide a structured situation in which the candidate can demonstrate proficiency in various areas of study. A student must see the graduate advisor for a detailed description of the comprehensive examination procedures.

Master's level courses in Criminal Justice: CJ

Courses Offered

CJ 5101. Graduate Assistant Supervision.
Prepares graduate student teaching and instructional assistants to perform effectively in diverse instructional settings and in their assigned instructional support roles. The course provides for regular and planned opportunities for continuing evaluation of instructional and assistive responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CJ 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5300. Foundation Studies in Criminal Justice.
This course is designed for students who do not have a sufficient background in the foundations of criminal justice studies. Coursework will vary depending on the student's prior academic history. This course does not earn graduate degree credit. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CJ 5310. Administration of Justice.
Introduction to the study of crime; explanations of criminal behavior; typologies of criminal behavior; the criminal justice system; and social reaction to crime and the criminal justice system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5311. Administrative Law in Criminal Justice.
Legal principles and doctrines applicable to state and federal criminal justice agencies delegated quasi-legislative and quasi-judicial authority by legislatures are studied and evaluated in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5315. Advanced Research Methods in Criminal Justice.
The study of scientific research methods as used in the criminal justice system to include a review and critique of research on crime causation, law enforcement, courts, and corrections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5320. History and Philosophy of Justice.
An exploration of historical approaches to social control of nonconforming behavior. The principal contributions of architects and theorists of systems of social justice are examined with emphasis on major Western European schools of thought. Special emphasis given to the development of the scientific method and its role in the contemporary system of justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5321. Current Legal Issues in Criminal Justice.
Case law and legislation, both state and federal, which have contemporary impact on practices and policies of criminal justice agencies will be examined in this course. Topics may vary to include such matters as civil rights liability, substance abuse and the law, juvenile crime, organized crime, tactics of enforcement, unionization, and other legal issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5322. Police in Society.
This course provides an in-depth assessment of policing and the various types of community crime control. Core topics include the history of police, organizational and individual police discretion, police culture, use of force, minorities and the police, community oriented policing, and police problem-solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5323. Special Operation Units.
A course designed to acquaint students with basic principles of Special Operation Units (SOUs) within law enforcement, including the necessity for such units in the changing nature of policing communities. The principles of crisis management, the development of SOUs, selection/training/operationalizing of personnel and other strategic planning issues are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5324. Investigations.
This course explores issues related to investigations. Topics covered include the history and state of investigations, investigative theory, interviewing, interrogation, polygraph, geographic profiling, serial crimes, and investigative failures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5325. Statistics for Criminal Justice.
The study of basic and advanced descriptive and inferential statistics, with an emphasis on applications in the criminal justice system will be taught. Focus will be given to various multivariate statistical procedures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5330. Management Principles in Criminal Justice.
The study of behavior in complex bureaucratic or administrative organizations with an emphasis on organizational behavior, group processes, and the managerial function. Concepts and practices of managing criminal justice agencies within the United States will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5335. Advanced Crime Theory.
This course will develop and apply analytical skills surrounding a wide range of theoretical concepts, assumptions, propositions, and variables aimed at explaining crime-related outcomes. In the process, students will learn how social scientists empirically (i.e., quantitatively and qualitatively) access theory and how theory influences public policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5340. Personnel Practices in Criminal Justice.
The study of personnel decisionmaking within the criminal justice agency. Topics emphasized will include recruitment and selection, promotion, training, performance evaluation, and human resource allocation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5350. Current Issues in Criminal Justice.
An in-depth presentation and discussion of vital contemporary issues in criminal justice, including research, process, procedure, and substance. General issues addressed remain constant and specific emphasis will vary depending on changes in contemporary issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5355. Intelligence Gathering and Operational Issues As Applied to Terrorism and Counterterrorism Operation.
This course provides an overview of the importance of intelligence gathering in the global and domestic war of terrorism, and critically examines issues involved with the gathering of intelligence, techniques for the gathering of intelligence, methods of collecting, collating, analyzing and disseminating intelligence, and a review of current terrorist threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5360. Independent Studies in Criminal Justice.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of Criminal Justice. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5370. Professional Paper.
Students in the non-thesis option will complete their professional paper while enrolled in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5380A. Ethics and the Criminal Justice System.
This special topics course will explore ethical issues that are faced by criminal justice professionals, basic ethical systems, and applications to dilemmas of criminal justice professionals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380C. Drugs in Society.
This special topics course will explore issues related to the "War on Drugs." Topics covered include theories of addiction, legal and philosophical issues of government response to drug use, and treatment strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380F. Police Problem-Solving Practicum.
This course applies contemporary police problem-solving tools and techniques (including SARA, COMPSTAT, crime mapping, intelligence led policing and computer enhanced problem solving) to real world problems with practicum problems derived from situations commonly facing police practitioners such as common law enforcement "problems" such as noise abatement, property offenses and traffic violations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380H. Police Problem Solving Methodologies.
This course addresses police problem solving methodologies. The course covers the history, state, and theory of police problem solving. Emphasis is placed on using problem solving methodologies to address real issues facing the community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380I. Race, Class, and Crime.
This course addresses issues related to racial/ethnic minorities, socioeconomic status, crime trends, perceptions of crime and criminal behaviors. The social/historical constructions of race and class are covered as well as their intersectionality within the criminal justice system. Topics include racial/ethnic and socioeconomic disparities in offending, victimization, law enforcement and sentencing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380J. Sex Offender and the Criminal Justice System.
This course explores sex offenders and the criminal justice system and the issues faced by criminal justice professionals. Recent trends in assessment tools, treatment approaches, and legal responses to sex offenders are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380L. Geospatial Intelligence and Geographic Profiling.
This course addresses the use of geospatial intelligence and geographic profiling in the military and intelligence environments. The course covers the theory, concepts, methods, and analysis of human geographic information. Emphasis is placed on understanding how geospatial knowledge can inform decision making and action plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380M. Crime Analysis.
This course teaches students step by step how to evaluate and synthesize local crime data and present it to others. It helps students identify local crime trends and cycles, develop usable crime maps, and to think of practical local police responses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380N. Applied Research Practicum.
This course provides structured assistance to students who are preparing for significant independent research projects (i.e. Thesis, Professional Paper) by exposing them to the organizational tools, processes and techniques used by productive scholars. Ideally, students should expect to complete a viable research prospectus by the end of the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Credit/No Credit

CJ 5380P. Quantitative Data Analysis.
This course provides an introduction to quantitative data analysis. For the purposes of research and exploratory data analysis, topics include data construction and cleaning, variable coding, descriptive and inferential statistics, summary measures, and visual presentations of data. This course makes extensive use of statistical software.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5380Q. Qualitative Research Methods and Data Analysis.
This course provides students with a detailed and participatory introduction to the principles and use of common qualitative methods and data analysis used in social science research with a particular focus on the field of criminal justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5380R. Criminal Justice Policy.
This course covers contemporary public policies designed to prevent and reduce crime and criminal offending. There is also an emphasis on different levels of evaluation that should be used to address specific criminal justice issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5380S. Criminal Justice Leadership.
This course provides an examination and critical analysis of the important theories, concepts, and current issues relevant to the field of public leadership in general, and criminal justice agency leadership in particular.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5399A. Thesis.
This course represents a student's initial thesis enrollment. Credit is not awarded until student has completed the thesis in Criminal Justice 5399B.
3 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science in Criminal Justice (M.S.C.J.) Major in Criminal Justice (Non-thesis Option)

Major Program

The School of Criminal Justice offers a Master of Science in Criminal Justice (M.S.C.J.) degree with a major in Criminal Justice. The M.S.C.J. degree program has a 36-hour Non-thesis Option, a 30-hour Research Concentration Thesis Option, and a 30-hour Executive Concentration Non-thesis Option. The curriculum for the 36-hour Non-thesis Option provides for a broad overview of criminal justice research and practice, allowing students to develop further knowledge and skills at the graduate level. This program is suitable for those seeking additional training in criminal justice to prepare them for an array of careers within the field. The curriculum for the Research Concentration provides for the development of theoretical, methodological, and analytical skills in order to evaluate and conduct scientific inquiry into the criminological and criminal justice issues. This Research Concentration is a competitive program specifically designed for those seeking to eventually complete a doctoral program and/or careers in research-related fields. The curriculum for the Executive Concentration provides for the development of skills in

criminal justice program planning, implementation, and evaluation to ensure a meaningful contribution to this important area of community and human services. This Executive Concentration is also a competitive program targeted at full-time employed criminal justice professionals, and is completed part-time.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in criminal justice or related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE scores with competitive scores in the verbal reasoning and quantitative reasoning sections

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science in Criminal Justice (M.S.C.J.) degree with a major in Criminal Justice with a Non-thesis Option requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CJ 5310	Administration of Justice	3
CJ 5315	Advanced Research Methods in Criminal Justice	3
CJ 5325	Statistics for Criminal Justice	3
CJ 5330	Management Principles in Criminal Justice	3
CJ 5335	Advanced Crime Theory	3
Electives		
Choose 21 hours of advisor-approved electives		21
Total Hours		36

Additional Course Requirements

Any student accepted into the M.S.C.J. program may be required to take undergraduate course work in criminal justice as a prerequisite to graduate course work.

Comprehensive Examination Requirements

All students must pass a written comprehensive examination. The purpose of this examination is to provide a structured situation in which the candidate can demonstrate proficiency in various areas of study. A student must see the graduate advisor for a detailed description of the comprehensive examination procedures.

Courses Offered

Criminal Justice (CJ)

CJ 5101. Graduate Assistant Supervision.
Prepares graduate student teaching and instructional assistants to perform effectively in diverse instructional settings and in their assigned instructional support roles. The course provides for regular and planned opportunities for continuing evaluation of instructional and assistive responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CJ 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5300. Foundation Studies in Criminal Justice.
This course is designed for students who do not have a sufficient background in the foundations of criminal justice studies. Coursework will vary depending on the student's prior academic history. This course does not earn graduate degree credit. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CJ 5310. Administration of Justice.
Introduction to the study of crime; explanations of criminal behavior; typologies of criminal behavior; the criminal justice system; and social reaction to crime and the criminal justice system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5311. Administrative Law in Criminal Justice.
Legal principles and doctrines applicable to state and federal criminal justice agencies delegated quasi-legislative and quasi-judicial authority by legislatures are studied and evaluated in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5315. Advanced Research Methods in Criminal Justice.
The study of scientific research methods as used in the criminal justice system to include a review and critique of research on crime causation, law enforcement, courts, and corrections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5320. History and Philosophy of Justice.
An exploration of historical approaches to social control of nonconforming behavior. The principal contributions of architects and theorists of systems of social justice are examined with emphasis on major Western European schools of thought. Special emphasis given to the development of the scientific method and its role in the contemporary system of justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5321. Current Legal Issues in Criminal Justice.
Case law and legislation, both state and federal, which have contemporary impact on practices and policies of criminal justice agencies will be examined in this course. Topics may vary to include such matters as civil rights liability, substance abuse and the law, juvenile crime, organized crime, tactics of enforcement, unionization, and other legal issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5322. Police in Society.
This course provides an in-depth assessment of policing and the various types of community crime control. Core topics include the history of police, organizational and individual police discretion, police culture, use of force, minorities and the police, community oriented policing, and police problem-solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5323. Special Operation Units.
A course designed to acquaint students with basic principles of Special Operation Units (SOUs) within law enforcement, including the necessity for such units in the changing nature of policing communities. The principles of crisis management, the development of SOUs, selection/training/operationalizing of personnel and other strategic planning issues are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5324. Investigations.
This course explores issues related to investigations. Topics covered include the history and state of investigations, investigative theory, interviewing, interrogation, polygraph, geographic profiling, serial crimes, and investigative failures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5325. Statistics for Criminal Justice.
The study of basic and advanced descriptive and inferential statistics, with an emphasis on applications in the criminal justice system will be taught. Focus will be given to various multivariate statistical procedures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5330. Management Principles in Criminal Justice.
The study of behavior in complex bureaucratic or administrative organizations with an emphasis on organizational behavior, group processes, and the managerial function. Concepts and practices of managing criminal justice agencies within the United States will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5335. Advanced Crime Theory.
This course will develop and apply analytical skills surrounding a wide range of theoretical concepts, assumptions, propositions, and variables aimed at explaining crime-related outcomes. In the process, students will learn how social scientists empirically (i.e., quantitatively and qualitatively) access theory and how theory influences public policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5340. Personnel Practices in Criminal Justice.
The study of personnel decisionmaking within the criminal justice agency. Topics emphasized will include recruitment and selection, promotion, training, performance evaluation, and human resource allocation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5350. Current Issues in Criminal Justice.
An in-depth presentation and discussion of vital contemporary issues in criminal justice, including research, process, procedure, and substance. General issues addressed remain constant and specific emphasis will vary depending on changes in contemporary issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5355. Intelligence Gathering and Operational Issues As Applied to Terrorism and Counterterrorism Operation.
This course provides an overview of the importance of intelligence gathering in the global and domestic war of terrorism, and critically examines issues involved with the gathering of intelligence, techniques for the gathering of intelligence, methods of collecting, collating, analyzing and disseminating intelligence, and a review of current terrorist threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5360. Independent Studies in Criminal Justice.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of Criminal Justice. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5370. Professional Paper.
Students in the non-thesis option will complete their professional paper while enrolled in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5380A. Ethics and the Criminal Justice System.
This special topics course will explore ethical issues that are faced by criminal justice professionals, basic ethical systems, and applications to dilemmas of criminal justice professionals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380C. Drugs in Society.
This special topics course will explore issues related to the "War on Drugs." Topics covered include theories of addiction, legal and philosophical issues of government response to drug use, and treatment strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380F. Police Problem-Solving Practicum.
This course applies contemporary police problem-solving tools and techniques (including SARA, COMPSTAT, crime mapping, intelligence led policing and computer enhanced problem solving) to real world problems with practicum problems derived from situations commonly facing police practitioners such as common law enforcement "problems" such as noise abatement, property offenses and traffic violations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380H. Police Problem Solving Methodologies.
This course addresses police problem solving methodologies. The course covers the history, state, and theory of police problem solving. Emphasis is placed on using problem solving methodologies to address real issues facing the community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380I. Race, Class, and Crime.
This course addresses issues related to racial/ethnic minorities, socioeconomic status, crime trends, perceptions of crime and criminal behaviors. The social/historical constructions of race and class are covered as well as their intersectionality within the criminal justice system. Topics include racial/ethnic and socioeconomic disparities in offending, victimization, law enforcement and sentencing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380J. Sex Offender and the Criminal Justice System.
This course explores sex offenders and the criminal justice system and the issues faced by criminal justice professionals. Recent trends in assessment tools, treatment approaches, and legal responses to sex offenders are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380L. Geospatial Intelligence and Geographic Profiling.
This course addresses the use of geospatial intelligence and geographic profiling in the military and intelligence environments. The course covers the theory, concepts, methods, and analysis of human geographic information. Emphasis is placed on understanding how geospatial knowledge can inform decision making and action plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380M. Crime Analysis.
This course teaches students step by step how to evaluate and synthesize local crime data and present it to others. It helps students identify local crime trends and cycles, develop usable crime maps, and to think of practical local police responses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380N. Applied Research Practicum.
This course provides structured assistance to students who are preparing for significant independent research projects (i.e. Thesis, Professional Paper) by exposing them to the organizational tools, processes and techniques used by productive scholars. Ideally, students should expect to complete a viable research prospectus by the end of the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Credit/No Credit

CJ 5380P. Quantitative Data Analysis.
This course provides an introduction to quantitative data analysis. For the purposes of research and exploratory data analysis, topics include data construction and cleaning, variable coding, descriptive and inferential statistics, summary measures, and visual presentations of data. This course makes extensive use of statistical software.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5380Q. Qualitative Research Methods and Data Analysis.
This course provides students with a detailed and participatory introduction to the principles and use of common qualitative methods and data analysis used in social science research with a particular focus on the field of criminal justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5380R. Criminal Justice Policy.
This course covers contemporary public policies designed to prevent and reduce crime and criminal offending. There is also an emphasis on different levels of evaluation that should be used to address specific criminal justice issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5380S. Criminal Justice Leadership.
This course provides an examination and critical analysis of the important theories, concepts, and current issues relevant to the field of public leadership in general, and criminal justice agency leadership in particular.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5399A. Thesis.
This course represents a student's initial thesis enrollment. Credit is not awarded until student has completed the thesis in Criminal Justice 5399B.
3 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science in Criminal Justice (M.S.C.J.) Major in Criminal Justice (Research Concentration Thesis Option)

The School of Criminal Justice offers a Master of Science in Criminal Justice (M.S.C.J.) degree with a major in Criminal Justice. The curriculum provides for the development of skills in criminal justice program planning, implementation, and evaluation to ensure a meaningful contribution to this important area of community and human services.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in criminal justice or related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- statement of purpose indicating research interests and career aspirations

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science in Criminal Justice (M.S.C.J.) degree with a major in Criminal Justice (Research Concentration with Thesis Option) requires 30 semester credit hours. Students will be required to complete a thesis; a committee composed of three graduate faculty must approve the thesis.

Course Requirements

Code	Title	Hours
Required Courses		
CJ 5310	Administration of Justice	3
CJ 5315	Advanced Research Methods in Criminal Justice	3
CJ 5325	Statistics for Criminal Justice	3
Prescribed Electives		
CJ 5335	Advanced Crime Theory	3
CJ 5380P	Quantitative Data Analysis	3
Electives		
Choose 9 hours of advisor-approved electives		9
CJ 5311	Administrative Law in Criminal Justice	

CJ 5320	History and Philosophy of Justice	
CJ 5321	Current Legal Issues in Criminal Justice	
CJ 5322	Police in Society	
CJ 5350	Current Issues in Criminal Justice	
CJ 5360	Independent Studies in Criminal Justice	
CJ 5380A	Ethics and the Criminal Justice System	
CJ 5380C	Drugs in Society	
CJ 5380I	Race, Class, and Crime	
CJ 5380J	Sex Offender and the Criminal Justice System	
CJ 5380L	Geospatial Intelligence and Geographic Profiling	
CJ 5380M	Crime Analysis	
CJ 5380N	Applied Research Practicum	
Thesis		
CJ 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
CJ 5199B	Thesis	
CJ 5299B	Thesis	
CJ 5399B	Thesis	
CJ 5599B	Thesis	
CJ 5999B	Thesis	
Total Hours		30

Additional Course Requirements

Any student accepted into the M.S.C.J. program may be required to take undergraduate course work in criminal justice as a prerequisite to graduate course work.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Criminal Justice: CJ

Courses Offered

CJ 5101. Graduate Assistant Supervision.
Prepares graduate student teaching and instructional assistants to perform effectively in diverse instructional settings and in their assigned instructional support roles. The course provides for regular and planned opportunities for continuing evaluation of instructional and assistive responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CJ 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5300. Foundation Studies in Criminal Justice.
This course is designed for students who do not have a sufficient background in the foundations of criminal justice studies. Coursework will vary depending on the student's prior academic history. This course does not earn graduate degree credit. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CJ 5310. Administration of Justice.
Introduction to the study of crime; explanations of criminal behavior; typologies of criminal behavior; the criminal justice system; and social reaction to crime and the criminal justice system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5311. Administrative Law in Criminal Justice.
Legal principles and doctrines applicable to state and federal criminal justice agencies delegated quasi-legislative and quasi-judicial authority by legislatures are studied and evaluated in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5315. Advanced Research Methods in Criminal Justice.
The study of scientific research methods as used in the criminal justice system to include a review and critique of research on crime causation, law enforcement, courts, and corrections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5320. History and Philosophy of Justice.
An exploration of historical approaches to social control of nonconforming behavior. The principal contributions of architects and theorists of systems of social justice are examined with emphasis on major Western European schools of thought. Special emphasis given to the development of the scientific method and its role in the contemporary system of justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5321. Current Legal Issues in Criminal Justice.
Case law and legislation, both state and federal, which have contemporary impact on practices and policies of criminal justice agencies will be examined in this course. Topics may vary to include such matters as civil rights liability, substance abuse and the law, juvenile crime, organized crime, tactics of enforcement, unionization, and other legal issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5322. Police in Society.
This course provides an in-depth assessment of policing and the various types of community crime control. Core topics include the history of police, organizational and individual police discretion, police culture, use of force, minorities and the police, community oriented policing, and police problem-solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5323. Special Operation Units.
A course designed to acquaint students with basic principles of Special Operation Units (SOUs) within law enforcement, including the necessity for such units in the changing nature of policing communities. The principles of crisis management, the development of SOUs, selection/training/operationalizing of personnel and other strategic planning issues are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5324. Investigations.
This course explores issues related to investigations. Topics covered include the history and state of investigations, investigative theory, interviewing, interrogation, polygraph, geographic profiling, serial crimes, and investigative failures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5325. Statistics for Criminal Justice.
The study of basic and advanced descriptive and inferential statistics, with an emphasis on applications in the criminal justice system will be taught. Focus will be given to various multivariate statistical procedures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5330. Management Principles in Criminal Justice.
The study of behavior in complex bureaucratic or administrative organizations with an emphasis on organizational behavior, group processes, and the managerial function. Concepts and practices of managing criminal justice agencies within the United States will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5335. Advanced Crime Theory.
This course will develop and apply analytical skills surrounding a wide range of theoretical concepts, assumptions, propositions, and variables aimed at explaining crime-related outcomes. In the process, students will learn how social scientists empirically (i.e., quantitatively and qualitatively) access theory and how theory influences public policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5340. Personnel Practices in Criminal Justice.
The study of personnel decisionmaking within the criminal justice agency. Topics emphasized will include recruitment and selection, promotion, training, performance evaluation, and human resource allocation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5350. Current Issues in Criminal Justice.
An in-depth presentation and discussion of vital contemporary issues in criminal justice, including research, process, procedure, and substance. General issues addressed remain constant and specific emphasis will vary depending on changes in contemporary issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5355. Intelligence Gathering and Operational Issues As Applied to Terrorism and Counterterrorism Operation.
This course provides an overview of the importance of intelligence gathering in the global and domestic war of terrorism, and critically examines issues involved with the gathering of intelligence, techniques for the gathering of intelligence, methods of collecting, collating, analyzing and disseminating intelligence, and a review of current terrorist threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5360. Independent Studies in Criminal Justice.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of Criminal Justice. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5370. Professional Paper.
Students in the non-thesis option will complete their professional paper while enrolled in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5380A. Ethics and the Criminal Justice System.
This special topics course will explore ethical issues that are faced by criminal justice professionals, basic ethical systems, and applications to dilemmas of criminal justice professionals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380C. Drugs in Society.
This special topics course will explore issues related to the "War on Drugs." Topics covered include theories of addiction, legal and philosophical issues of government response to drug use, and treatment strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380F. Police Problem-Solving Practicum.
This course applies contemporary police problem-solving tools and techniques (including SARA, COMPSTAT, crime mapping, intelligence led policing and computer enhanced problem solving) to real world problems with practicum problems derived from situations commonly facing police practitioners such as common law enforcement "problems" such as noise abatement, property offenses and traffic violations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380H. Police Problem Solving Methodologies.
This course addresses police problem solving methodologies. The course covers the history, state, and theory of police problem solving. Emphasis is placed on using problem solving methodologies to address real issues facing the community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380I. Race, Class, and Crime.
This course addresses issues related to racial/ethnic minorities, socioeconomic status, crime trends, perceptions of crime and criminal behaviors. The social/historical constructions of race and class are covered as well as their intersectionality within the criminal justice system. Topics include racial/ethnic and socioeconomic disparities in offending, victimization, law enforcement and sentencing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380J. Sex Offender and the Criminal Justice System.
This course explores sex offenders and the criminal justice system and the issues faced by criminal justice professionals. Recent trends in assessment tools, treatment approaches, and legal responses to sex offenders are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380L. Geospatial Intelligence and Geographic Profiling.
This course addresses the use of geospatial intelligence and geographic profiling in the military and intelligence environments. The course covers the theory, concepts, methods, and analysis of human geographic information. Emphasis is placed on understanding how geospatial knowledge can inform decision making and action plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380M. Crime Analysis.
This course teaches students step by step how to evaluate and synthesize local crime data and present it to others. It helps students identify local crime trends and cycles, develop usable crime maps, and to think of practical local police responses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380N. Applied Research Practicum.
This course provides structured assistance to students who are preparing for significant independent research projects (i.e. Thesis, Professional Paper) by exposing them to the organizational tools, processes and techniques used by productive scholars. Ideally, students should expect to complete a viable research prospectus by the end of the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Credit/No Credit

CJ 5380P. Quantitative Data Analysis.
This course provides an introduction to quantitative data analysis. For the purposes of research and exploratory data analysis, topics include data construction and cleaning, variable coding, descriptive and inferential statistics, summary measures, and visual presentations of data. This course makes extensive use of statistical software.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5380Q. Qualitative Research Methods and Data Analysis.
This course provides students with a detailed and participatory introduction to the principles and use of common qualitative methods and data analysis used in social science research with a particular focus on the field of criminal justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5380R. Criminal Justice Policy.
This course covers contemporary public policies designed to prevent and reduce crime and criminal offending. There is also an emphasis on different levels of evaluation that should be used to address specific criminal justice issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5380S. Criminal Justice Leadership.
This course provides an examination and critical analysis of the important theories, concepts, and current issues relevant to the field of public leadership in general, and criminal justice agency leadership in particular.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5399A. Thesis.
This course represents a student's initial thesis enrollment. Credit is not awarded until student has completed the thesis in Criminal Justice 5399B.
3 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Minor in Criminal Justice

The graduate minor in Criminal Justice requires 9 semester credit hours.

Code	Title	Hours
Required Course		
CJ 5310	Administration of Justice	3
Elective		
Choose 6 hours of advisor-approved electives		6
Total Hours		9

Certificate in Intelligence Analysis

Program Overview

The program prepares students for analytical-oriented careers by cultivating critical thinking skills, problem-solving abilities, cultural awareness sensitivity and technical knowledge. Because of its multidisciplinary approach, this graduate-level certificate program is ideal preparation for doctoral study in international relations, political science, psychology, public administration, public policy, history, criminal justice or related fields, or for work as an intelligence analyst.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $20 nonrefundable application fee

  or

- $60 nonrefundable application fee for applications with international credentials
- baccalaureate degree in criminal justice, computer science, history, geography or a field related to security and/or intelligence studies from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work
- minimum 3.0 GPA in all completed graduate course work if the student already hold a master's degree in criminal justice, computer science, history, geography or a field related to security and/or intelligence studies
- GRE not required
- resume/CV
- statement of purpose
- two letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

The graduate certificate in Intelligence Analysis requires 15 semester credit hours.

Course Requirements

Code	Title	Hours
Criminal Justice		
CJ 5335	Advanced Crime Theory	3
or CJ 5355	Intelligence Gathering and Operational Issues As Applied to Terrorism and Counterterrorism Operation	
Computer Information Systems		
CIS 5364	Data Warehousing	3
History		3
Choose 1 course		
HIST 5324B	Race, Class, and Nation in Modern Latin America	
HIST 5381	Chinese Communism	
HIST 5385	Topics in the History of the Modern Middle East	
Geography		3
Choose 1 course		
CJ 5380L	Geospatial Intelligence and Geographic Profiling	
GEO 5418	Geographic Information Systems I	
Independent Studies		
CJ 5360	Independent Studies in Criminal Justice	3
Total Hours		15

School of Family and Consumer Sciences

Family and Consumer Sciences Building Room 101
Telephone: 512-245-2155 Fax: 512-245-3829
http://www.fcs.txstate.edu/

Mission

To educate, inspire and lead to optimize the human condition.

Vision

From Local to Global Communities, we will empower people throughout the lifespan by embracing diversity and innovation.

The School of Family and Consumer Sciences includes three master's degree programs: M.S. in Human Development and Family Sciences, M. S. in Human Nutrition, and M. S. in Merchandising and Consumer Studies.

The **Human Development and Family Sciences program** offers a flexible model of graduate experiences that allows students to develop individualized degree plans based on career goals. Faculty provide mentorship to engage in research projects and to support students' development and career placement. The program currently offers

three tracks: Research in Family and Human Development, Program Administration & Evaluation, and Child Life Specialist.

The **Human Nutrition program** is student-centered and research focused. The program provides a challenging and current curriculum with faculty expertise that spans molecular to community-based nutrition. Nutrition faculty are engaged in cutting-edge research and students are encouraged to participate in faculty-guided original scientific research. Courses also include experiential and service learning opportunities that allow students to gain real-world and relevant nutrition and dietetics competencies.

The **Merchandising and Consumer Studies program** will educate the next generation of product developers, retail and merchandising managers, as well as consumer studies professionals, who will make pivotal and transformative decisions vital to intelligent economic, social, and environmental resource management. Our goal is to prepare students with competencies that address current and future consumer-related employment needs of Texas. MCS faculty are conducting cutting-edge research on important current issues surrounding consumers and marketplaces (such as sustainable consumer lifestyle, corporate social responsibility, and consumption behavior on social media). Faculty provide strong mentorship for graduate students to engage in research and make co-authored publications in top scholarly venues through student-driven thesis projects as well as faculty-guided scientific research. Through the integration of theory and applied knowledge, graduates gain insight related to merchandising and consumer sciences to address the cultural, demographic and lifestyle changes of today's society. Specifically, the master's level curriculum engages students in the analysis, critical thinking, and holistic problem solving needed to respond to the complexity and growth of consumer-centric systems.

Master of Science (M.S.)

- Major in Human Development and Family Sciences (Child Life Specialist Concentration Non-thesis Option) (p. 775)
- Major in Human Development and Family Sciences (Child Life Specialist Concentration Thesis Option) (p. 779)
- Major in Human Development and Family Sciences (Program Administration and Evaluation Concentration Non-thesis Option) (p. 784)
- Major in Human Development and Family Sciences (Program Administration and Evaluation Concentration Thesis Option) (p. 788)
- Major in Human Development and Family Sciences (Research in Family and Human Development Concentration) (p. 793)
- Major in Human Nutrition (Non-thesis Option) (p. 797)
- Major in Human Nutrition (Thesis Option) (p. 800)
- Major in Merchandising and Consumer Studies (Non-thesis Option) (p. 804)
- Major in Merchandising and Consumer Studies (Thesis Option) (p. 806)

Master of Science (M.S.) Major in Human Development and Family Sciences (Child Life Specialist Concentration Non-thesis Option)

Major Program

The graduate program provides students with the knowledge and expertise to attain professional positions and advancement opportunities in programs serving families and children.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose (approximately 500 words)
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree in Human Development and Family Sciences with a concentration in Child Life Specialist requires 37 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Corses		
FCD 5100	Introduction to Family and Child Studies	1
FCD 5341	Advanced Child Development	3
FCD 5351	Advanced Theory in Family and Child Studies	3
FCD 5352	Seminar: Issues in Family and Child Studies	3
FCS 5310	Research Methods in FCS	3
Concentration		
FCD 5343	Hospitalized Child: Child Life Specialist	3
FCD 5302K	Foundations of Play	3
FCD 5659	Internship in Child Life [1]	6
Electives		
Choose 12 hours from the following:		12
COUN 5316	Counseling Diverse Populations	
COUN 5340	Loss and Grief Recovery Counseling	
COUN 5368	Developmental Issues in Counseling Children, Adolescents, and Adults	
COUN 5369	Child and Adolescent Counseling Methods	
FCD 5347	Grief and Bereavement in Children, Adolescents, and Parents	
FCD 5353	Program Evaluation in Family and Child Studies	
FCD 5356	Advanced Program Administration	
FCD 5358	Practicum in Family and Child Studies I	
HA 5300	Healthcare Organization and Delivery	
SOCI 5363	Seminar in Medical Sociology	
SOCI 5370	Seminar in Multi-Cultural Relations	
SOWK 5308	Human Behavior in Individual and Family Social Environments	
SOWK 5315	Social Work Intervention in Child Abuse & Neglect	
Total Hours		37

[1] The child life internship is a full-time, non-paid internship required by the Child Life Council. It should be completed in the final year of the master's program. Child life internships are extremely competitive in nature and interns are selected by the individual hospitals. Therefore, internships are not guaranteed. Also, due to the competitive nature of internships, it might be necessary to apply to hospitals outside of the Central Texas area.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Family and Child Studies: FCD (p. 776), FCS (p. 778)

Family and Child Development (FCD)

FCD 5100. Introduction to Family and Child Studies.
Focus on gaining information and competencies important to graduate study success. Includes academic expectations for graduate students as well as information related to the Family and Child Studies graduate program. Required for Family and Child Studies majors.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCD 5199B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5299B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5302K. Foundations of Play.
This course will address foundations and theories of play in the growth and development of children. Medical play, play therapy, music therapy, art therapy, and animal therapy will also be incorporated into the course curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCD 5340. Advanced Cultural Diversity of Families.
Survey study of family diversity through selected family science research methods and topics including family structure and function, family life patterns, multicultural groups, agents of enculturation, and family life education.Prerequisite: Graduate Standing. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FCD 5341. Advanced Child Development.
Focus on developmental processes and influences from conception through early childhood period. Includes interactive relationship of biological and environmental factors in total development of the child. Child observations required. Prerequisite: Graduate Standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5343. Hospitalized Child: Child Life Specialist.
This course enhances students' ability to utilize theoretical and applied technologies when interacting with children and families in hospital settings. Prerequisite: Graduate Standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5344. Infant and Early Childhood Mental Health.
This course provides an interdisciplinary understanding of the social and emotional development of infants and young children within the context of the family. Focus will be on the role of the infant mental health specialist in strengthening the development of young children and the parent-child relationship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5345. Advanced Methods in Child Life.
This course focuses on the applied techniques and methodologies essential to the child life profession. In addition, this course offers guided experience and opportunities for stepping into the child life profession, ongoing career development and self care.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5346. Foundations of Family and Child Studies.
This course will cover the foundations of family and child studies. Topics will include child development, principles of guidance, and family relationships. Prerequisite: Graduate standing. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FCD 5347. Grief and Bereavement in Children, Adolescents, and Parents.
This course includes a historical review of theoretical models on grief and bereavement, influences on grief and bereavement responses, and current perspectives on helping the bereaved cope. Implications for child life specialists will be analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5348. Pain and Anxiety Management for Children.
This course provides child life students with theoretical foundations and applied non-pharmacological strategies for assessing children's pain and anxiety and assisting them with alleviation during painful healthcare and other life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5350. Research Design and Methods in Family and Child Studies.
Evaluation of research concepts, methods, and strategies in family and child studies. Topics include the nature of scientific research, sampling, measurement, data collection, types of socio-behavioral research, data analysis, and evaluation of research reports.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5351. Advanced Theory in Family and Child Studies.
A critical evaluation of theoretical concepts and current research in family and child studies. Emphasis on recent trends in family and child theories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5352. Seminar: Issues in Family and Child Studies.
Seminar to examine current issues in family and child studies. Emphasis on current research, theories, and applications. Also includes orientation to the conceptual and methodological perspectives of multi-disciplinary study in the field of family and child studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5353. Program Evaluation in Family and Child Studies.
Study of the diversity and effectiveness of family and child services programs at the federal, state, and community levels. Program evaluation strategies and measures, fiscal management, and grant writing will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5355. Advanced Independent Study.
Individual work on problems related to student's primary area of specialization. Work may consist of empirical research or of critical reviews and integration of existing literature. Course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5356. Advanced Program Administration.
Study of family and child services systems. Management theory and strategies, strategic planning, program development and implementation, personnel management, and public policy are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5357. Comparative Studies in Child Development.
This course focuses on the study of cultural values and beliefs and the reflection of these in child development (0-18 years) and practices in the U.S. and selected countries. The interactive influence of culture and national policies will also be studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5358. Practicum in Family and Child Studies I.
Structured practical experience in family and child studies in a private or public setting. Supervision provided by a member of the graduate faculty and a designated individual at the work site. Focus will be on experiential learning. Prerequisite: Departmental approval required; online practicum form required for registration.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5359. Practicum in Family and Child Studies II.
Continued practical experience in family and child studies at a private or public setting with supervision provided by a member of the graduate faculty and a designated individual at the work site. A research report will be integrated with practical application. Prerequisite: FCD 5358 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5399A. Thesis.
This course represents a student's initial thesis enrollment. Focus is on identification of thesis topic, review of literature, and research design. No thesis credit is awarded until student has completed the thesis in FCD 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5399B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5599B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5659. Internship in Child Life.
Structured hospital experience for individuals who plan to pursue a career in child life. Provides opportunity to work in a hospital setting under the direction of a certified child life specialist. Prerequisite: 30 hours of graduate coursework or approval of graduate advisor; online practicum form required.
6 Credit Hours. 0 Lecture Contact Hours. 32 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5999B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Family and Child Studies (FCS)

FCS 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable up to 3 times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5301. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. It provides information about the educational needs of Texas State University's diverse student body. It also identifies educational strategies and campus resources that support the learning of undergraduate students. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5302H. Sustainable Consumer Economy.
This course is a in-depth study of the role of consumption in the development of sustainable systems including the family, natural resources and economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5302J. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Restricted to students in one of the graduate FCS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCS 5302S. Sustainable Textiles.
This course is an in-depth study of the relationship of fibers, fabrics, finishes and textile products end-uses with a particular focus on their impact on sustainability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5305. Sustainable Housing.
This course is an in-depth study of the relationship between housing and sustainability with a particular focus on the role of materials, technology, policy and human factors in fostering healthy social, economic and natural systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5307. Sustainable Lighting.
This course focuses on understanding the elements and principles of sustainable lighting and explains how it meets the qualitative needs of the visual environment with the least impact on the natural environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5310. Research Methods in FCS.
This course will cover the evaluation of concepts, methods, and strategies for research in the disciplines of family and consumer sciences. The course will focus on the nature and ethics of scientific research, including design, sampling, measurement, and data collection. Restricted to graduate level majors in the School of Family and Consumer Sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5311. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Prerequisite: FCS 5310 with a grade of "C" or better. Restricted to graduate students in FCS.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5340. International Study in Family and Consumer Sciences.
Study of Family and Consumer Sciences topics in international settings. Emphasis will be placed on an analysis of cultural differences and similarities and their application within FCS professions. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Human Development and Family Sciences (Child Life Specialist Concentration Thesis Option)

Major Program

The graduate program provides students with the knowledge and expertise to attain professional positions and advancement opportunities in programs serving families and children.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose (approximately 500 words)
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree in Human Development and Family Sciences with a concentration in Child Life Specialist requires 37 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses

Course Requirements

Code	Title	Hours
Required Courses		
FCD 5100	Introduction to Family and Child Studies	1
FCD 5341	Advanced Child Development	3
FCD 5351	Advanced Theory in Family and Child Studies	3
FCD 5352	Seminar: Issues in Family and Child Studies	3
FCS 5310	Research Methods in FCS	3
Concentration		
FCD 5343	Hospitalized Child: Child Life Specialist	3
FCD 5659	Internship in Child Life [1]	6
FCD 5302K	Foundations of Play	3
Electives		
Choose 6 hours from the following:		6
COUN 5316	Counseling Diverse Populations	
COUN 5340	Loss and Grief Recovery Counseling	
COUN 5368	Developmental Issues in Counseling Children, Adolescents, and Adults	

COUN 5369	Child and Adolescent Counseling Methods	
FCD 5347	Grief and Bereavement in Children, Adolescents, and Parents	
FCD 5353	Program Evaluation in Family and Child Studies	
FCD 5356	Advanced Program Administration	
FCD 5358	Practicum in Family and Child Studies I	
HA 5300	Healthcare Organization and Delivery	
SOCI 5363	Seminar in Medical Sociology	
SOCI 5370	Seminar in Multi-Cultural Relations	
SOWK 5308	Human Behavior in Individual and Family Social Environments	
SOWK 5315	Social Work Intervention in Child Abuse & Neglect	
Thesis		
FCD 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
FCD 5199B	Thesis	
FCD 5299B	Thesis	
FCD 5399B	Thesis	
FCD 5599B	Thesis	
FCD 5999B	Thesis	
Total Hours		37

[1] The child life internship is a full-time, non-paid internship required by the Child Life Council. It should be completed in the final year of the master's program. Child life internships are extremely competitive in nature and interns are selected by the individual hospitals. Therefore, internships are not guaranteed. Also, due to the competitive nature of internships, it might be necessary to apply to hospitals outside of the Central Texas area.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Family and Child Studies: FCD (p. 781), FCS (p. 783)

Family and Child Development (FCD)

FCD 5100. Introduction to Family and Child Studies.
Focus on gaining information and competencies important to graduate study success. Includes academic expectations for graduate students as well as information related to the Family and Child Studies graduate program. Required for Family and Child Studies majors.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCD 5199B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5299B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5302K. Foundations of Play.
This course will address foundations and theories of play in the growth and development of children. Medical play, play therapy, music therapy, art therapy, and animal therapy will also be incorporated into the course curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCD 5340. Advanced Cultural Diversity of Families.
Survey study of family diversity through selected family science research methods and topics including family structure and function, family life patterns, multicultural groups, agents of enculturation, and family life education.Prerequisite: Graduate Standing. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FCD 5341. Advanced Child Development.
Focus on developmental processes and influences from conception through early childhood period. Includes interactive relationship of biological and environmental factors in total development of the child. Child observations required. Prerequisite: Graduate Standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5343. Hospitalized Child: Child Life Specialist.
This course enhances students' ability to utilize theoretical and applied technologies when interacting with children and families in hospital settings. Prerequisite: Graduate Standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5344. Infant and Early Childhood Mental Health.
This course provides an interdisciplinary understanding of the social and emotional development of infants and young children within the context of the family. Focus will be on the role of the infant mental health specialist in strengthening the development of young children and the parent-child relationship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5345. Advanced Methods in Child Life.
This course focuses on the applied techniques and methodologies essential to the child life profession. In addition, this course offers guided experience and opportunities for stepping into the child life profession, ongoing career development and self care.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5346. Foundations of Family and Child Studies.
This course will cover the foundations of family and child studies. Topics will include child development, principles of guidance, and family relationships. Prerequisite: Graduate standing. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FCD 5347. Grief and Bereavement in Children, Adolescents, and Parents.
This course includes a historical review of theoretical models on grief and bereavement, influences on grief and bereavement responses, and current perspectives on helping the bereaved cope. Implications for child life specialists will be analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5348. Pain and Anxiety Management for Children.
This course provides child life students with theoretical foundations and applied non-pharmacological strategies for assessing children's pain and anxiety and assisting them with alleviation during painful healthcare and other life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5350. Research Design and Methods in Family and Child Studies.
Evaluation of research concepts, methods, and strategies in family and child studies. Topics include the nature of scientific research, sampling, measurement, data collection, types of socio-behavioral research, data analysis, and evaluation of research reports.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5351. Advanced Theory in Family and Child Studies.
A critical evaluation of theoretical concepts and current research in family and child studies. Emphasis on recent trends in family and child theories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5352. Seminar: Issues in Family and Child Studies.
Seminar to examine current issues in family and child studies. Emphasis on current research, theories, and applications. Also includes orientation to the conceptual and methodological perspectives of multi-disciplinary study in the field of family and child studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5353. Program Evaluation in Family and Child Studies.
Study of the diversity and effectiveness of family and child services programs at the federal, state, and community levels. Program evaluation strategies and measures, fiscal management, and grant writing will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5355. Advanced Independent Study.
Individual work on problems related to student's primary area of specialization. Work may consist of empirical research or of critical reviews and integration of existing literature. Course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5356. Advanced Program Administration.
Study of family and child services systems. Management theory and strategies, strategic planning, program development and implementation, personnel management, and public policy are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5357. Comparative Studies in Child Development.
This course focuses on the study of cultural values and beliefs and the reflection of these in child development (0-18 years) and practices in the U.S. and selected countries. The interactive influence of culture and national policies will also be studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5358. Practicum in Family and Child Studies I.
Structured practical experience in family and child studies in a private or public setting. Supervision provided by a member of the graduate faculty and a designated individual at the work site. Focus will be on experiential learning. Prerequisite: Departmental approval required; online practicum form required for registration.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5359. Practicum in Family and Child Studies II.
Continued practical experience in family and child studies at a private or public setting with supervision provided by a member of the graduate faculty and a designated individual at the work site. A research report will be integrated with practical application. Prerequisite: FCD 5358 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5399A. Thesis.
This course represents a student's initial thesis enrollment. Focus is on identification of thesis topic, review of literature, and research design. No thesis credit is awarded until student has completed the thesis in FCD 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5399B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5599B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5659. Internship in Child Life.
Structured hospital experience for individuals who plan to pursue a career in child life. Provides opportunity to work in a hospital setting under the direction of a certified child life specialist. Prerequisite: 30 hours of graduate coursework or approval of graduate advisor; online practicum form required.
6 Credit Hours. 0 Lecture Contact Hours. 32 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5999B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Family and Child Studies (FCS)

FCS 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable up to 3 times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5301. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. It provides information about the educational needs of Texas State University's diverse student body. It also identifies educational strategies and campus resources that support the learning of undergraduate students. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5302H. Sustainable Consumer Economy.
This course is a in-depth study of the role of consumption in the development of sustainable systems including the family, natural resources and economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5302J. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Restricted to students in one of the graduate FCS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCS 5302S. Sustainable Textiles.
This course is an in-depth study of the relationship of fibers, fabrics, finishes and textile products end-uses with a particular focus on their impact on sustainability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5305. Sustainable Housing.
This course is an in-depth study of the relationship between housing and sustainability with a particular focus on the role of materials, technology, policy and human factors in fostering healthy social, economic and natural systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5307. Sustainable Lighting.
This course focuses on understanding the elements and principles of sustainable lighting and explains how it meets the qualitative needs of the visual environment with the least impact on the natural environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5310. Research Methods in FCS.
This course will cover the evaluation of concepts, methods, and strategies for research in the disciplines of family and consumer sciences. The course will focus on the nature and ethics of scientific research, including design, sampling, measurement, and data collection. Restricted to graduate level majors in the School of Family and Consumer Sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5311. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Prerequisite: FCS 5310 with a grade of "C" or better. Restricted to graduate students in FCS.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5340. International Study in Family and Consumer Sciences.
Study of Family and Consumer Sciences topics in international settings. Emphasis will be placed on an analysis of cultural differences and similarities and their application within FCS professions. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Human Development and Family Sciences (Program Administration and Evaluation Concentration Non-thesis Option)

Major Program

The graduate program provides students with the knowledge and expertise to attain professional positions and advancement opportunities in programs serving families and children.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose (approximately 500 words)
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree in Human Development and Family Sciences with a concentration in Program Administration and Evaluation requires 37 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
FCD 5100	Introduction to Family and Child Studies	1
FCS 5310	Research Methods in FCS	3
FCD 5341	Advanced Child Development	3
FCD 5351	Advanced Theory in Family and Child Studies	3
FCD 5352	Seminar: Issues in Family and Child Studies	3
FCD 5353	Program Evaluation in Family and Child Studies	3
FCD 5356	Advanced Program Administration	3
Concentration		
FCD 5358	Practicum in Family and Child Studies I	3
FCD 5359	Practicum in Family and Child Studies II	3
Electives		
Choose 12 hours from the following:		12
ADED 5321	Adult Learning and Development	
ADED 5344	Multicultural Perspectives in Postsecondary Education and Adult Education	
COUN 5316	Counseling Diverse Populations	
COUN 5340	Loss and Grief Recovery Counseling	
COUN 5368	Developmental Issues in Counseling Children, Adolescents, and Adults	
COUN 5369	Child and Adolescent Counseling Methods	
DE 5324	Teaching Learning Strategies and Critical Thinking	
FCD 5343	Hospitalized Child: Child Life Specialist	
FCD 5344	Infant and Early Childhood Mental Health	
FCD 5355	Advanced Independent Study	
FCD 5357	Comparative Studies in Child Development	
PA 5300	Introduction to Public Policy and Administration	
PA 5330	Public Personnel Administration	
PA 5332	Management Practices in Public Personnel Administration	

PA 5370	Public Management and Ethics
PSY 5320	Principles of Measurement and Statistics
PSY 5342	Professional Ethics and Standards of Practice
PSY 5370	Learning, Cognition, and Motivation
SOCI 5307	Advanced Statistics for the Social Sciences
SOCI 5309	Seminar in Qualitative Research Methods
SOCI 5323	Grant Writing for the Social Sciences
SOCI 5370	Seminar in Multi-Cultural Relations
SOWK 5308	Human Behavior in Individual and Family Social Environments
SOWK 5310	Social Welfare Policy and Services
SOWK 5315	Social Work Intervention in Child Abuse & Neglect
SPED 5314	Advanced Educational Strategies for Students with Autism
SPED 5334	Assessment and Evaluation of Students with Disabilities
SPED 5375	Behavior Management: School Application of Applied Behavior Analysis
Total Hours	37

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Family and Child Studies: FCD (p. 785), FCS (p. 787)

Family and Child Development (FCD)

FCD 5100. Introduction to Family and Child Studies.
Focus on gaining information and competencies important to graduate study success. Includes academic expectations for graduate students as well as information related to the Family and Child Studies graduate program. Required for Family and Child Studies majors.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCD 5199B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5299B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5302K. Foundations of Play.
This course will address foundations and theories of play in the growth and development of children. Medical play, play therapy, music therapy, art therapy, and animal therapy will also be incorporated into the course curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCD 5340. Advanced Cultural Diversity of Families.
Survey study of family diversity through selected family science research methods and topics including family structure and function, family life patterns, multicultural groups, agents of enculturation, and family life education.Prerequisite: Graduate Standing. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FCD 5341. Advanced Child Development.
Focus on developmental processes and influences from conception through early childhood period. Includes interactive relationship of biological and environmental factors in total development of the child. Child observations required. Prerequisite: Graduate Standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5343. Hospitalized Child: Child Life Specialist.
This course enhances students' ability to utilize theoretical and applied technologies when interacting with children and families in hospital settings. Prerequisite: Graduate Standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5344. Infant and Early Childhood Mental Health.
This course provides an interdisciplinary understanding of the social and emotional development of infants and young children within the context of the family. Focus will be on the role of the infant mental health specialist in strengthening the development of young children and the parent-child relationship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5345. Advanced Methods in Child Life.
This course focuses on the applied techniques and methodologies essential to the child life profession. In addition, this course offers guided experience and opportunities for stepping into the child life profession, ongoing career development and self care.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5346. Foundations of Family and Child Studies.
This course will cover the foundations of family and child studies. Topics will include child development, principles of guidance, and family relationships. Prerequisite: Graduate standing. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FCD 5347. Grief and Bereavement in Children, Adolescents, and Parents.
This course includes a historical review of theoretical models on grief and bereavement, influences on grief and bereavement responses, and current perspectives on helping the bereaved cope. Implications for child life specialists will be analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5348. Pain and Anxiety Management for Children.
This course provides child life students with theoretical foundations and applied non-pharmacological strategies for assessing children's pain and anxiety and assisting them with alleviation during painful healthcare and other life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5350. Research Design and Methods in Family and Child Studies.
Evaluation of research concepts, methods, and strategies in family and child studies. Topics include the nature of scientific research, sampling, measurement, data collection, types of socio-behavioral research, data analysis, and evaluation of research reports.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5351. Advanced Theory in Family and Child Studies.
A critical evaluation of theoretical concepts and current research in family and child studies. Emphasis on recent trends in family and child theories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5352. Seminar: Issues in Family and Child Studies.
Seminar to examine current issues in family and child studies. Emphasis on current research, theories, and applications. Also includes orientation to the conceptual and methodological perspectives of multi-disciplinary study in the field of family and child studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5353. Program Evaluation in Family and Child Studies.
Study of the diversity and effectiveness of family and child services programs at the federal, state, and community levels. Program evaluation strategies and measures, fiscal management, and grant writing will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5355. Advanced Independent Study.
Individual work on problems related to student's primary area of specialization. Work may consist of empirical research or of critical reviews and integration of existing literature. Course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5356. Advanced Program Administration.
Study of family and child services systems. Management theory and strategies, strategic planning, program development and implementation, personnel management, and public policy are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5357. Comparative Studies in Child Development.
This course focuses on the study of cultural values and beliefs and the reflection of these in child development (0-18 years) and practices in the U.S. and selected countries. The interactive influence of culture and national policies will also be studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5358. Practicum in Family and Child Studies I.
Structured practical experience in family and child studies in a private or public setting. Supervision provided by a member of the graduate faculty and a designated individual at the work site. Focus will be on experiential learning. Prerequisite: Departmental approval required; online practicum form required for registration.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5359. Practicum in Family and Child Studies II.
Continued practical experience in family and child studies at a private or public setting with supervision provided by a member of the graduate faculty and a designated individual at the work site. A research report will be integrated with practical application. Prerequisite: FCD 5358 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5399A. Thesis.
This course represents a student's initial thesis enrollment. Focus is on identification of thesis topic, review of literature, and research design. No thesis credit is awarded until student has completed the thesis in FCD 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5399B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5599B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5659. Internship in Child Life.
Structured hospital experience for individuals who plan to pursue a career in child life. Provides opportunity to work in a hospital setting under the direction of a certified child life specialist. Prerequisite: 30 hours of graduate coursework or approval of graduate advisor; online practicum form required.
6 Credit Hours. 0 Lecture Contact Hours. 32 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5999B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Family and Child Studies (FCS)

FCS 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable up to 3 times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5301. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. It provides information about the educational needs of Texas State University's diverse student body. It also identifies educational strategies and campus resources that support the learning of undergraduate students. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5302H. Sustainable Consumer Economy.
This course is a in-depth study of the role of consumption in the development of sustainable systems including the family, natural resources and economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5302J. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Restricted to students in one of the graduate FCS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCS 5302S. Sustainable Textiles.
This course is an in-depth study of the relationship of fibers, fabrics, finishes and textile products end-uses with a particular focus on their impact on sustainability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5305. Sustainable Housing.
This course is an in-depth study of the relationship between housing and sustainability with a particular focus on the role of materials, technology, policy and human factors in fostering healthy social, economic and natural systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5307. Sustainable Lighting.
This course focuses on understanding the elements and principles of sustainable lighting and explains how it meets the qualitative needs of the visual environment with the least impact on the natural environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5310. Research Methods in FCS.
This course will cover the evaluation of concepts, methods, and strategies for research in the disciplines of family and consumer sciences. The course will focus on the nature and ethics of scientific research, including design, sampling, measurement, and data collection. Restricted to graduate level majors in the School of Family and Consumer Sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5311. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Prerequisite: FCS 5310 with a grade of "C" or better. Restricted to graduate students in FCS.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5340. International Study in Family and Consumer Sciences. Study of Family and Consumer Sciences topics in international settings. Emphasis will be placed on an analysis of cultural differences and similarities and their application within FCS professions. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Human Development and Family Sciences (Program Administration and Evaluation Concentration Thesis Option)

Major Program

The graduate program provides students with the knowledge and expertise to attain professional positions and advancement opportunities in programs serving families and children.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose (approximately 500 words)
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree in Human Development and Family Sciences with a concentration in Program Administration and Evaluation requires 37 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
FCD 5100	Introduction to Family and Child Studies	1
FCD 5341	Advanced Child Development	3
FCD 5351	Advanced Theory in Family and Child Studies	3
FCD 5352	Seminar: Issues in Family and Child Studies	3
FCD 5353	Program Evaluation in Family and Child Studies	3
FCD 5356	Advanced Program Administration	3
FCS 5310	Research Methods in FCS	3
FCD 5358	Practicum in Family and Child Studies I	3
Electives		
Choose 9 hours from the following:		9
ADED 5321	Adult Learning and Development	
ADED 5344	Multicultural Perspectives in Postsecondary Education and Adult Education	
COUN 5316	Counseling Diverse Populations	
COUN 5340	Loss and Grief Recovery Counseling	
COUN 5368	Developmental Issues in Counseling Children, Adolescents, and Adults	
COUN 5369	Child and Adolescent Counseling Methods	
DE 5324	Teaching Learning Strategies and Critical Thinking	
FCD 5343	Hospitalized Child: Child Life Specialist	
FCD 5344	Infant and Early Childhood Mental Health	
FCD 5355	Advanced Independent Study	
FCD 5357	Comparative Studies in Child Development	
PA 5300	Introduction to Public Policy and Administration	
PA 5330	Public Personnel Administration	
PA 5332	Management Practices in Public Personnel Administration	
PA 5370	Public Management and Ethics	
PSY 5320	Principles of Measurement and Statistics	
PSY 5342	Professional Ethics and Standards of Practice	
PSY 5370	Learning, Cognition, and Motivation	
SOCI 5307	Advanced Statistics for the Social Sciences	
SOCI 5309	Seminar in Qualitative Research Methods	
SOCI 5323	Grant Writing for the Social Sciences	
SOCI 5370	Seminar in Multi-Cultural Relations	
SOWK 5308	Human Behavior in Individual and Family Social Environments	
SOWK 5310	Social Welfare Policy and Services	

SOWK 5315	Social Work Intervention in Child Abuse & Neglect	
SPED 5314	Advanced Educational Strategies for Students with Autism	
SPED 5334	Assessment and Evaluation of Students with Disabilities	
SPED 5375	Behavior Management: School Application of Applied Behavior Analysis	
Thesis		
FCD 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
FCD 5199B	Thesis	
FCD 5299B	Thesis	
FCD 5399B	Thesis	
FCD 5599B	Thesis	
FCD 5999B	Thesis	
Total Hours		37

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Family and Child Studies: FCD (p. 790), FCS (p. 792)

Family and Child Development (FCD)

FCD 5100. Introduction to Family and Child Studies.
Focus on gaining information and competencies important to graduate study success. Includes academic expectations for graduate students as well as information related to the Family and Child Studies graduate program. Required for Family and Child Studies majors.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCD 5199B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5299B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5302K. Foundations of Play.
This course will address foundations and theories of play in the growth and development of children. Medical play, play therapy, music therapy, art therapy, and animal therapy will also be incorporated into the course curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCD 5340. Advanced Cultural Diversity of Families.
Survey study of family diversity through selected family science research methods and topics including family structure and function, family life patterns, multicultural groups, agents of enculturation, and family life education.Prerequisite: Graduate Standing. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FCD 5341. Advanced Child Development.
Focus on developmental processes and influences from conception through early childhood period. Includes interactive relationship of biological and environmental factors in total development of the child. Child observations required. Prerequisite: Graduate Standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5343. Hospitalized Child: Child Life Specialist.
This course enhances students' ability to utilize theoretical and applied technologies when interacting with children and families in hospital settings. Prerequisite: Graduate Standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5344. Infant and Early Childhood Mental Health.
This course provides an interdisciplinary understanding of the social and emotional development of infants and young children within the context of the family. Focus will be on the role of the infant mental health specialist in strengthening the development of young children and the parent-child relationship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5345. Advanced Methods in Child Life.
This course focuses on the applied techniques and methodologies essential to the child life profession. In addition, this course offers guided experience and opportunities for stepping into the child life profession, ongoing career development and self care.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5346. Foundations of Family and Child Studies.
This course will cover the foundations of family and child studies. Topics will include child development, principles of guidance, and family relationships. Prerequisite: Graduate standing. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FCD 5347. Grief and Bereavement in Children, Adolescents, and Parents.
This course includes a historical review of theoretical models on grief and bereavement, influences on grief and bereavement responses, and current perspectives on helping the bereaved cope. Implications for child life specialists will be analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5348. Pain and Anxiety Management for Children.
This course provides child life students with theoretical foundations and applied non-pharmacological strategies for assessing children's pain and anxiety and assisting them with alleviation during painful healthcare and other life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5350. Research Design and Methods in Family and Child Studies.
Evaluation of research concepts, methods, and strategies in family and child studies. Topics include the nature of scientific research, sampling, measurement, data collection, types of socio-behavioral research, data analysis, and evaluation of research reports.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5351. Advanced Theory in Family and Child Studies.
A critical evaluation of theoretical concepts and current research in family and child studies. Emphasis on recent trends in family and child theories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5352. Seminar: Issues in Family and Child Studies.
Seminar to examine current issues in family and child studies. Emphasis on current research, theories, and applications. Also includes orientation to the conceptual and methodological perspectives of multi-disciplinary study in the field of family and child studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5353. Program Evaluation in Family and Child Studies.
Study of the diversity and effectiveness of family and child services programs at the federal, state, and community levels. Program evaluation strategies and measures, fiscal management, and grant writing will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5355. Advanced Independent Study.
Individual work on problems related to student's primary area of specialization. Work may consist of empirical research or of critical reviews and integration of existing literature. Course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5356. Advanced Program Administration.
Study of family and child services systems. Management theory and strategies, strategic planning, program development and implementation, personnel management, and public policy are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5357. Comparative Studies in Child Development.
This course focuses on the study of cultural values and beliefs and the reflection of these in child development (0-18 years) and practices in the U.S. and selected countries. The interactive influence of culture and national policies will also be studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5358. Practicum in Family and Child Studies I.
Structured practical experience in family and child studies in a private or public setting. Supervision provided by a member of the graduate faculty and a designated individual at the work site. Focus will be on experiential learning. Prerequisite: Departmental approval required; online practicum form required for registration.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5359. Practicum in Family and Child Studies II.
Continued practical experience in family and child studies at a private or public setting with supervision provided by a member of the graduate faculty and a designated individual at the work site. A research report will be integrated with practical application. Prerequisite: FCD 5358 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5399A. Thesis.
This course represents a student's initial thesis enrollment. Focus is on identification of thesis topic, review of literature, and research design. No thesis credit is awarded until student has completed the thesis in FCD 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5399B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5599B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5659. Internship in Child Life.
Structured hospital experience for individuals who plan to pursue a career in child life. Provides opportunity to work in a hospital setting under the direction of a certified child life specialist. Prerequisite: 30 hours of graduate coursework or approval of graduate advisor; online practicum form required.
6 Credit Hours. 0 Lecture Contact Hours. 32 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5999B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Family and Child Studies (FCS)

FCS 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable up to 3 times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5301. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. It provides information about the educational needs of Texas State University's diverse student body. It also identifies educational strategies and campus resources that support the learning of undergraduate students. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5302H. Sustainable Consumer Economy.
This course is a in-depth study of the role of consumption in the development of sustainable systems including the family, natural resources and economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5302J. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Restricted to students in one of the graduate FCS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCS 5302S. Sustainable Textiles.
This course is an in-depth study of the relationship of fibers, fabrics, finishes and textile products end-uses with a particular focus on their impact on sustainability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5305. Sustainable Housing.
This course is an in-depth study of the relationship between housing and sustainability with a particular focus on the role of materials, technology, policy and human factors in fostering healthy social, economic and natural systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5307. Sustainable Lighting.
This course focuses on understanding the elements and principles of sustainable lighting and explains how it meets the qualitative needs of the visual environment with the least impact on the natural environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5310. Research Methods in FCS.
This course will cover the evaluation of concepts, methods, and strategies for research in the disciplines of family and consumer sciences. The course will focus on the nature and ethics of scientific research, including design, sampling, measurement, and data collection. Restricted to graduate level majors in the School of Family and Consumer Sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5311. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Prerequisite: FCS 5310 with a grade of "C" or better. Restricted to graduate students in FCS.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5340. International Study in Family and Consumer Sciences.
Study of Family and Consumer Sciences topics in international settings. Emphasis will be placed on an analysis of cultural differences and similarities and their application within FCS professions. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Human Development and Family Sciences (Research in Family and Human Development Concentration)

Major Program

The graduate program provides students with the knowledge and expertise to attain professional positions and advancement opportunities in programs serving families and children.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose (approximately 500 words)
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree in Human Development and Family Sciences with a concentration in Research in Family and Human Development requires 37 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
FCD 5100	Introduction to Family and Child Studies	1
FCD 5340	Advanced Cultural Diversity of Families	3
FCD 5341	Advanced Child Development	3
FCD 5351	Advanced Theory in Family and Child Studies	3
FCD 5352	Seminar: Issues in Family and Child Studies	3
FCS 5302J	Statistics and Data Analysis for Family and Consumer Sciences	3
FCS 5310	Research Methods in FCS	3
Electives		
Choose 12 hours from the following:		12
FCD 5344	Infant and Early Childhood Mental Health	
FCD 5353	Program Evaluation in Family and Child Studies	
FCD 5355	Advanced Independent Study	
FCD 5357	Comparative Studies in Child Development	
May choose other advisor-approved courses		
Thesis		
FCD 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
FCD 5199B	Thesis	
FCD 5299B	Thesis	
FCD 5399B	Thesis	
FCD 5599B	Thesis	
FCD 5999B	Thesis	
Total Hours		37

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review

Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Family and Child Studies: FCD (p.), FCS (p.)

Family and Child Development (FCD)

FCD 5100. Introduction to Family and Child Studies.
Focus on gaining information and competencies important to graduate study success. Includes academic expectations for graduate students as well as information related to the Family and Child Studies graduate program. Required for Family and Child Studies majors.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCD 5199B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5299B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5302K. Foundations of Play.
This course will address foundations and theories of play in the growth and development of children. Medical play, play therapy, music therapy, art therapy, and animal therapy will also be incorporated into the course curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCD 5340. Advanced Cultural Diversity of Families.
Survey study of family diversity through selected family science research methods and topics including family structure and function, family life patterns, multicultural groups, agents of enculturation, and family life education.Prerequisite: Graduate Standing. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FCD 5341. Advanced Child Development.
Focus on developmental processes and influences from conception through early childhood period. Includes interactive relationship of biological and environmental factors in total development of the child. Child observations required. Prerequisite: Graduate Standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5343. Hospitalized Child: Child Life Specialist.
This course enhances students' ability to utilize theoretical and applied technologies when interacting with children and families in hospital settings. Prerequisite: Graduate Standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5344. Infant and Early Childhood Mental Health.
This course provides an interdisciplinary understanding of the social and emotional development of infants and young children within the context of the family. Focus will be on the role of the infant mental health specialist in strengthening the development of young children and the parent-child relationship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5345. Advanced Methods in Child Life.
This course focuses on the applied techniques and methodologies essential to the child life profession. In addition, this course offers guided experience and opportunities for stepping into the child life profession, ongoing career development and self care.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5346. Foundations of Family and Child Studies.
This course will cover the foundations of family and child studies. Topics will include child development, principles of guidance, and family relationships. Prerequisite: Graduate standing. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FCD 5347. Grief and Bereavement in Children, Adolescents, and Parents.
This course includes a historical review of theoretical models on grief and bereavement, influences on grief and bereavement responses, and current perspectives on helping the bereaved cope. Implications for child life specialists will be analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5348. Pain and Anxiety Management for Children.
This course provides child life students with theoretical foundations and applied non-pharmacological strategies for assessing children's pain and anxiety and assisting them with alleviation during painful healthcare and other life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5350. Research Design and Methods in Family and Child Studies.
Evaluation of research concepts, methods, and strategies in family and child studies. Topics include the nature of scientific research, sampling, measurement, data collection, types of socio-behavioral research, data analysis, and evaluation of research reports.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5351. Advanced Theory in Family and Child Studies.
A critical evaluation of theoretical concepts and current research in family and child studies. Emphasis on recent trends in family and child theories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5352. Seminar: Issues in Family and Child Studies.
Seminar to examine current issues in family and child studies. Emphasis on current research, theories, and applications. Also includes orientation to the conceptual and methodological perspectives of multi-disciplinary study in the field of family and child studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5353. Program Evaluation in Family and Child Studies.
Study of the diversity and effectiveness of family and child services programs at the federal, state, and community levels. Program evaluation strategies and measures, fiscal management, and grant writing will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5355. Advanced Independent Study.
Individual work on problems related to student's primary area of specialization. Work may consist of empirical research or of critical reviews and integration of existing literature. Course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5356. Advanced Program Administration.
Study of family and child services systems. Management theory and strategies, strategic planning, program development and implementation, personnel management, and public policy are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5357. Comparative Studies in Child Development.
This course focuses on the study of cultural values and beliefs and the reflection of these in child development (0-18 years) and practices in the U.S. and selected countries. The interactive influence of culture and national policies will also be studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5358. Practicum in Family and Child Studies I.
Structured practical experience in family and child studies in a private or public setting. Supervision provided by a member of the graduate faculty and a designated individual at the work site. Focus will be on experiential learning. Prerequisite: Departmental approval required; online practicum form required for registration.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5359. Practicum in Family and Child Studies II.
Continued practical experience in family and child studies at a private or public setting with supervision provided by a member of the graduate faculty and a designated individual at the work site. A research report will be integrated with practical application. Prerequisite: FCD 5358 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5399A. Thesis.
This course represents a student's initial thesis enrollment. Focus is on identification of thesis topic, review of literature, and research design. No thesis credit is awarded until student has completed the thesis in FCD 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5399B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5599B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5659. Internship in Child Life.
Structured hospital experience for individuals who plan to pursue a career in child life. Provides opportunity to work in a hospital setting under the direction of a certified child life specialist. Prerequisite: 30 hours of graduate coursework or approval of graduate advisor; online practicum form required.
6 Credit Hours. 0 Lecture Contact Hours. 32 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5999B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Family and Child Studies (FCS)

FCS 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable up to 3 times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5301. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. It provides information about the educational needs of Texas State University's diverse student body. It also identifies educational strategies and campus resources that support the learning of undergraduate students. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5302H. Sustainable Consumer Economy.
This course is a in-depth study of the role of consumption in the development of sustainable systems including the family, natural resources and economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5302J. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Restricted to students in one of the graduate FCS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCS 5302S. Sustainable Textiles.
This course is an in-depth study of the relationship of fibers, fabrics, finishes and textile products end-uses with a particular focus on their impact on sustainability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5305. Sustainable Housing.
This course is an in-depth study of the relationship between housing and sustainability with a particular focus on the role of materials, technology, policy and human factors in fostering healthy social, economic and natural systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5307. Sustainable Lighting.
This course focuses on understanding the elements and principles of sustainable lighting and explains how it meets the qualitative needs of the visual environment with the least impact on the natural environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5310. Research Methods in FCS.
This course will cover the evaluation of concepts, methods, and strategies for research in the disciplines of family and consumer sciences. The course will focus on the nature and ethics of scientific research, including design, sampling, measurement, and data collection. Restricted to graduate level majors in the School of Family and Consumer Sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5311. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Prerequisite: FCS 5310 with a grade of "C" or better. Restricted to graduate students in FCS.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5340. International Study in Family and Consumer Sciences.
Study of Family and Consumer Sciences topics in international settings. Emphasis will be placed on an analysis of cultural differences and similarities and their application within FCS professions. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Human Nutrition (Non-thesis Option)

Major Program

The Graduate program in Human Nutrition promotes the study of human nutrition, food science, and biotechnology with emphasis on promoting health and preventing disease. Graduate instruction is based on a variety of learning strategies, including lecture, seminar-style discussion, participation in research, and practical laboratory work using state of the art equipment and techniques. Graduates achieve the technical skills, scientific knowledge, and local, national, and global perspectives to integrate the fields of nutrition, food science and food biotechnology to address human health concerns of the 21st century.

Dietetic Internship Concurrent Enrollment

Students enrolled in the M.S. program who are interested in obtaining the registered dietitian (RD) credential are encouraged to apply for admission to the Texas State dietetic internship (DI) after they have completed at least one term. While up to nine hours of courses taken as part of the DI may count towards the M.S. degree, completion of both the M.S. and DI may require more course work than needed to complete the M.S. alone. Students interested in this dual option are required to meet with the graduate coordinator to determine courses required to complete both programs. It is important to note that admission to the M.S. does not guarantee acceptance into the Texas State DI.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree (preferably in nutrition, food science or a related field) from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in:
  - Introductory Biology
  - Introductory Nutrition
  - Microbiology
  - Anatomy and Physiology
  - Introductory Chemistry (at least two semesters)
  - Organic Chemistry (at least one course)
  - Biochemistry
  - Nutrition in the Lifespan
- GRE not required
- resume/CV
- statement of purpose describing professional aspirations and rationale for pursuing graduate study
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Human Nutrition requires 39 semester credit hours. Students who do not have the appropriate background course work may be required to complete a leveling course.

Course Requirements

Code	Title	Hours
Required Courses		
FCS 5310	Research Methods in FCS	3
NUTR 5305	Seminar in Nutrition and Disease	3
NUTR 5306	Seminar in Nutrition in the Lifespan	3
NUTR 5364	The Science of Nutrition and Exercise	3
NUTR 5366	Nutrient Metabolism I	3
NUTR 5367	Nutrient Metabolism II	3
NUTR 5372	Advances in Nutrition Policy and Ethics	3
Electives		
Choose 18 hours from the following courses:		18
AG 5370	Special Problems in Technical Agriculture	
BIO 5426	Immunology	
FCS 5311	Statistics and Data Analysis for Family and Consumer Sciences	
H ED 5315	Application of Quantitative Data Analysis in Health and Wellness Promotion (Research II)	
H ED 5320	Foundation of Public Health	
NUTR 5302F	Nutritional Supplements	
NUTR 5302G	Pediatric Obesity	
NUTR 5302J		
NUTR 5355	Advanced Independent Study in Nutrition	
NUTR 5360	Practicum for Dietetic Internship	
NUTR 5361	Advanced Food Systems Administration	
NUTR 5362	Advanced Medical Nutrition Therapy	
NUTR 5363	Advanced Community Nutrition	
NUTR 5371	Externship in Human Nutrition	
NUTR 5374	Advanced Nutrition and Genetics	
NUTR 5375	Advances in Life Span Nutrition	
SPAN 5322	Spanish for the Professions	
Total Hours		39

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Human Nutrition: NUTR

Courses Offered

Nutrition and Foods (NUTR)

NUTR 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

NUTR 5199B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5299B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5300. Foundation Studies in Human Nutrition.
This course is designed for students who do not have a sufficient background in the foundations of nutrition and food science to be successful in graduate level courses. This course does not earn graduate degree credit. Course is repeatable. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

NUTR 5302F. Nutritional Supplements.
An advanced study of the efficacy of dietary supplements. Both nutrient and non-nutrient supplement components will be discussed. Clinical trials, epidemiological data and molecular mechanisms of action of dietary supplements will be compared to manufacturer's claimed action. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

NUTR 5302G. Pediatric Obesity.
An advanced study of pediatric obesity, including causes, economic and health related consequences, evidence-based treatment and prevention strategies. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

NUTR 5305. Seminar in Nutrition and Disease.
An advanced study of a selected topic in nutrition concerning nutrients and functional foods and their role in disease prevention or treatment. Class topics will enter on clinical trials, epidemiological data and molecular mechanisms of action concerning the ability of nutrients to prevent or treat disease. Repeatable for credit when topic varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5306. Seminar in Nutrition in the Lifespan.
An advanced study of a selected topic in nutrition and the lifespan from a multidisciplinary perspective, including review of scientific literature in nutrition, physiology, biochemistry, sociology, exercise sports science, epidemiology, endocrinology and genetics. Repeatable for credit when topic varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5320. Diet Therapy and Pathophysiology.
This course will study the physiological and biochemical abnormalities of certain disease states as they relate to the human body's systems placing emphasis on diet modification as a therapeutic measure.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5350. Research Methods in Nutrition and Food Science.
Evaluation of research concepts, methods, and strategies used in nutrition and food science research. Topics include the nature of scientific research, sampling, measurement, data collection, types of research methodology, use of data analysis and management software, and evaluation of research reports.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5355. Advanced Independent Study in Nutrition.
Individual work with specific guidance from graduate nutrition faculty. Work may include participation in research, professional practice, and/or critical review of the scientific literature. Course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5360. Practicum for Dietetic Internship.
Students observe and engage in the practice of dietetics under the supervision of practitioners in facilities for health care, public health, and food systems. Repeated twice to meet requirements to complete the dietetic internship program. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5361. Advanced Food Systems Administration.
Techniques and procedures for management, service, and marketing of meals in commercial and noncommercial food service facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5362. Advanced Medical Nutrition Therapy.
Advanced study of medical nutrition therapy with emphasis on application of principles and techniques of nutritional assessment emphasizing current clinical nutrition practices. Current scientific literature will be used extensively to discuss most recent advances in the area of medical nutrition therapy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5363. Advanced Community Nutrition.
Assessment of the nutritional needs of the community and of programs that serve the needs. Experiences include survey techniques, nutritional education, and management of programs to meet specific nutritional needs through community agencies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5364. The Science of Nutrition and Exercise.
An advanced course focusing on the physiological and biochemical impact of nutrient intake on physical performance, health and fitness. Special emphasis will be placed on the investigation of a variety of dietary supplements, including purported ergogenic aids. The course requires significant reading and interpreting of the scientific literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5366. Nutrient Metabolism I.
An advanced study of the biochemical and physiological foundations of nutrition and metabolism and its relevance to health and wellness. Scientific literature pertaining to biochemical structure, metabolism and physiological regulation of macronutrients and water-soluble vitamins.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5367. Nutrient Metabolism II.
An advanced study of the biochemical and physiological foundations of nutrition with emphasis on fat-soluble vitamins and minerals. Current scientific information pertaining to structure, metabolism and physiological regulation of these micronutrients.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5371. Externship in Human Nutrition.
Structured practical experience in human nutrition, food science, food biotechnology. Supervision provided by a member of the graduate faculty and a designated individual at the work site. Requires a minimum of 150 hours of supervised experience. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

NUTR 5372. Advances in Nutrition Policy and Ethics.
This course considers the disparate influences on the US food supply, on federal and state nutrition and food-related policies, and ultimately, on individual dietary intake. Potential influences, including current state and federal policies, industry, interest groups, and the media, driven by economics and ethical consideration, will be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5374. Advanced Nutrition and Genetics.
This course will examine the specific processes in intermediary nutrient metabolism and their genetic regulation. The effects of nutrients on gene expression, cell signaling, cell physicology, and disease processes will also be explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5375. Advances in Life Span Nutrition.
An advanced study of the nutritional requirements throughout the life span involving a multidisciplinary approach including, biochemistry, endocrinology and genetics, and perspectives of human psychological and social development. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5399A. Thesis.
Initial thesis enrollment. Focus is on identification of thesis topic, review of literature, research design and preparation of thesis proposal. No thesis credit is awarded until completion of NUTR 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

NUTR 5399B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5599B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5999B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Human Nutrition (Thesis Option)

Major Program

The Graduate program in Human Nutrition promotes the study of human nutrition, food science, and biotechnology with emphasis on promoting health and preventing disease. Graduate instruction is based on a variety of learning strategies, including lecture, seminar-style discussion, participation in research, and practical laboratory work using state of the art equipment and techniques. Graduates achieve the technical skills, scientific knowledge, and local, national, and global perspectives to integrate the fields of nutrition, food science and food biotechnology to address human health concerns of the 21st century.

Dietetic Internship Concurrent Enrollment

Students enrolled in the M.S. program who are interested in obtaining the registered dietitian (RD) credential are encouraged to apply for admission to the Texas State dietetic internship (DI) after they have completed at least one term. While up to nine hours of courses taken as part of the DI may count towards the M.S. degree, completion of both the M.S. and DI may require more course work than needed to complete the M.S. alone. Students interested in this dual option are required to meet with the graduate coordinator to determine courses required to complete both programs. It is important to note that admission to the M.S. does not guarantee acceptance into the Texas State DI.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the

International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree (preferably in nutrition, food science or a related field) from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in:
  - Introductory Biology
  - Introductory Nutrition
  - Microbiology
  - Anatomy and Physiology
  - Introductory Chemistry (at least two semesters)
  - Organic Chemistry (at least one course)
  - Biochemistry
  - Nutrition in the Lifespan
- GRE not required
- resume/CV
- statement of purpose describing professional aspirations and rationale for pursuing graduate study
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Human Nutrition requires 33 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete a leveling course.

Course Requirements

Code	Title	Hours
Required Courses		
FCS 5310	Research Methods in FCS	3
FCS 5311	Statistics and Data Analysis for Family and Consumer Sciences	3
NUTR 5305	Seminar in Nutrition and Disease	3
NUTR 5306	Seminar in Nutrition in the Lifespan	3
NUTR 5364	The Science of Nutrition and Exercise	3
NUTR 5366	Nutrient Metabolism I	3
NUTR 5367	Nutrient Metabolism II	3
NUTR 5372	Advances in Nutrition Policy and Ethics	3
Elective		
Choose 3 hours from the following:		3
AG 5370	Special Problems in Technical Agriculture	
BIO 5426	Immunology	
ESS 5317	Exercise Physiology	
H ED 5315	Application of Quantitative Data Analysis in Health and Wellness Promotion (Research II)	
H ED 5320	Foundation of Public Health	
NUTR 5302F	Nutritional Supplements	
NUTR 5302G	Pediatric Obesity	
NUTR 5302J		
NUTR 5355	Advanced Independent Study in Nutrition	
NUTR 5360	Practicum for Dietetic Internship	
NUTR 5361	Advanced Food Systems Administration	
NUTR 5362	Advanced Medical Nutrition Therapy	
NUTR 5363	Advanced Community Nutrition	
NUTR 5371	Externship in Human Nutrition	
NUTR 5374	Advanced Nutrition and Genetics	
NUTR 5375	Advances in Life Span Nutrition	
SPAN 5322	Spanish for the Professions	
Thesis		
NUTR 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
NUTR 5199B	Thesis	
NUTR 5299B	Thesis	
NUTR 5399B	Thesis	
NUTR 5599B	Thesis	
NUTR 5999B	Thesis	
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis

Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Human Nutrition: NUTR

Courses Offered

Nutrition and Foods (NUTR)

NUTR 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

NUTR 5199B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5299B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5300. Foundation Studies in Human Nutrition.
This course is designed for students who do not have a sufficient background in the foundations of nutrition and food science to be successful in graduate level courses. This course does not earn graduate degree credit. Course is repeatable. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

NUTR 5302F. Nutritional Supplements.
An advanced study of the efficacy of dietary supplements. Both nutrient and non-nutrient supplement components will be discussed. Clinical trials, epidemiological data and molecular mechanisms of action of dietary supplements will be compared to manufacturer's claimed action. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

NUTR 5302G. Pediatric Obesity.
An advanced study of pediatric obesity, including causes, economic and health related consequences, evidence-based treatment and prevention strategies. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

NUTR 5305. Seminar in Nutrition and Disease.
An advanced study of a selected topic in nutrition concerning nutrients and functional foods and their role in disease prevention or treatment. Class topics will enter on clinical trials, epidemiological data and molecular mechanisms of action concerning the ability of nutrients to prevent or treat disease. Repeatable for credit when topic varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5306. Seminar in Nutrition in the Lifespan.
An advanced study of a selected topic in nutrition and the lifespan from a multidisciplinary perspective, including review of scientific literature in nutrition, physiology, biochemistry, sociology, exercise sports science, epidemiology, endocrinology and genetics. Repeatable for credit when topic varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5320. Diet Therapy and Pathophysiology.
This course will study the physiological and biochemical abnormalities of certain disease states as they relate to the human body's systems placing emphasis on diet modification as a therapeutic measure.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5350. Research Methods in Nutrition and Food Science.
Evaluation of research concepts, methods, and strategies used in nutrition and food science research. Topics include the nature of scientific research, sampling, measurement, data collection, types of research methodology, use of data analysis and management software, and evaluation of research reports.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5355. Advanced Independent Study in Nutrition.
Individual work with specific guidance from graduate nutrition faculty. Work may include participation in research, professional practice, and/or critical review of the scientific literature. Course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5360. Practicum for Dietetic Internship.
Students observe and engage in the practice of dietetics under the supervision of practitioners in facilities for health care, public health, and food systems. Repeated twice to meet requirements to complete the dietetic internship program. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5361. Advanced Food Systems Administration.
Techniques and procedures for management, service, and marketing of meals in commercial and noncommercial food service facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5362. Advanced Medical Nutrition Therapy.
Advanced study of medical nutrition therapy with emphasis on application of principles and techniques of nutritional assessment emphasizing current clinical nutrition practices. Current scientific literature will be used extensively to discuss most recent advances in the area of medical nutrition therapy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5363. Advanced Community Nutrition.
Assessment of the nutritional needs of the community and of programs that serve the needs. Experiences include survey techniques, nutritional education, and management of programs to meet specific nutritional needs through community agencies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5364. The Science of Nutrition and Exercise.
An advanced course focusing on the physiological and biochemical impact of nutrient intake on physical performance, health and fitness. Special emphasis will be placed on the investigation of a variety of dietary supplements, including purported ergogenic aids. The course requires significant reading and interpreting of the scientific literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5366. Nutrient Metabolism I.
An advanced study of the biochemical and physiological foundations of nutrition and metabolism and its relevance to health and wellness. Scientific literature pertaining to biochemical structure, metabolism and physiological regulation of macronutrients and water-soluble vitamins.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5367. Nutrient Metabolism II.
An advanced study of the biochemical and physiological foundations of nutrition with emphasis on fat-soluble vitamins and minerals. Current scientific information pertaining to structure, metabolism and physiological regulation of these micronutrients.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5371. Externship in Human Nutrition.
Structured practical experience in human nutrition, food science, food biotechnology. Supervision provided by a member of the graduate faculty and a designated individual at the work site. Requires a minimum of 150 hours of supervised experience. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

NUTR 5372. Advances in Nutrition Policy and Ethics.
This course considers the disparate influences on the US food supply, on federal and state nutrition and food-related policies, and ultimately, on individual dietary intake. Potential influences, including current state and federal policies, industry, interest groups, and the media, driven by economics and ethical consideration, will be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5374. Advanced Nutrition and Genetics.
This course will examine the specific processes in intermediary nutrient metabolism and their genetic regulation. The effects of nutrients on gene expression, cell signaling, cell physicology, and disease processes will also be explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5375. Advances in Life Span Nutrition.
An advanced study of the nutritional requirements throughout the life span involving a multidisciplinary approach including, biochemistry, endocrinology and genetics, and perspectives of human psychological and social development. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5399A. Thesis.
Initial thesis enrollment. Focus is on identification of thesis topic, review of literature, research design and preparation of thesis proposal. No thesis credit is awarded until completion of NUTR 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

NUTR 5399B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5599B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5999B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Merchandising and Consumer Studies (Non-thesis Option)

Program Overview

The Master of Science (M.S.) major in Merchandising and Consumer Studies will educate the next generation of product developers, retail and merchandising managers, as well as consumer studies professionals, who will make pivotal and transformative decisions vital to intelligent economic, social, and environmental resource management. Our goal is to prepare students with competencies that address current and future consumer-related employment needs of Texas. Building on the undergraduate foundation, the master's level curriculum engages students in the analysis, critical thinking, and holistic problem solving needed to respond to the complexity and growth of consumer-centric systems.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials

- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections or official GMAT with competitive scores
- resume/CV
- statement of purpose describing professional goals and rationale for pursuing graduate study
- two letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Science (M.S.) degree with a major in Merchandising and Consumer Studies requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
FCS 5310	Research Methods in FCS	3
FCS 5311	Statistics and Data Analysis for Family and Consumer Sciences	3
MCS 5391	Seminar in Merchandising and Consumer Studies	3
MCS 5398	Directed Study in Merchandising and Consumer Studies	3
Prescribed Electives		
Choose 18 hours from the following:		18
MCS 5302A	Merchandising in the Experience Economy	
MCS 5302B	Merchandising Strategies in Domestic and International Markets	
MCS 5302C	Buying, Planning and Allocation	
MCS 5303	Sustainable Textiles	
MCS 5330	Merchandising and Consumer Theory and Research	
MCS 5331	Strategic Merchandise Planning	
MCS 5332	Innovation in the Global Market	
MCS 5333	Global Sourcing and Distribution	
MCS 5336	Culture, Society, and Dress	
MCS 5341	Ethics in Merchandising and Consumption	
MCS 5342	Sustainable Consumer Economy	
MCS 5390	Merchandising and Consumer Studies Practicum	
PHIL 5301	Applied Philosophy	
PHIL 5322	Professional Ethics	
SUST 5301	Seminar in Sustainability	
Free Electives		
Choose 6 hours of advisor-approved electives		6
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Family and Consumer Sciences: FCS

Courses Offered

Family and Consumer Sciences (FCS)

FCS 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable up to 3 times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5301. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. It provides information about the educational needs of Texas State University's diverse student body. It also identifies educational strategies and campus resources that support the learning of undergraduate students. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5302H. Sustainable Consumer Economy.
This course is a in-depth study of the role of consumption in the development of sustainable systems including the family, natural resources and economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5302J. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Restricted to students in one of the graduate FCS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCS 5302S. Sustainable Textiles.
This course is an in-depth study of the relationship of fibers, fabrics, finishes and textile products end-uses with a particular focus on their impact on sustainability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5305. Sustainable Housing.
This course is an in-depth study of the relationship between housing and sustainability with a particular focus on the role of materials, technology, policy and human factors in fostering healthy social, economic and natural systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5307. Sustainable Lighting.
This course focuses on understanding the elements and principles of sustainable lighting and explains how it meets the qualitative needs of the visual environment with the least impact on the natural environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5310. Research Methods in FCS.
This course will cover the evaluation of concepts, methods, and strategies for research in the disciplines of family and consumer sciences. The course will focus on the nature and ethics of scientific research, including design, sampling, measurement, and data collection. Restricted to graduate level majors in the School of Family and Consumer Sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5311. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Prerequisite: FCS 5310 with a grade of "C" or better. Restricted to graduate students in FCS.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5340. International Study in Family and Consumer Sciences.
Study of Family and Consumer Sciences topics in international settings. Emphasis will be placed on an analysis of cultural differences and similarities and their application within FCS professions. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Merchandising and Consumer Studies (Thesis Option)

Program Overview

The Master of Science (M.S.) major in Merchandising and Consumer Studies will educate the next generation of product developers, retail and merchandising managers, as well as consumer studies professionals, who will make pivotal and transformative decisions vital to intelligent economic, social, and environmental resource management. Our goal is to prepare students with competencies that address current and future consumer-related employment needs of Texas. Building on the undergraduate foundation, the master's level curriculum engages students in the analysis, critical thinking, and holistic problem solving needed to respond to the complexity and growth of consumer-centric systems.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections or official GMAT with competitive scores
- resume/CV
- statement of purpose describing professional goals and rationale for pursuing graduate study
- two letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Science (M.S.) degree with a major in Merchandising and Consumer Studies requires 30 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
FCS 5310	Research Methods in FCS	3
FCS 5311	Statistics and Data Analysis for Family and Consumer Sciences	3
MCS 5330	Merchandising and Consumer Theory and Research	3
MCS 5391	Seminar in Merchandising and Consumer Studies	3
Prescribed Electives		
Choose 9 hours from the following:		9
MCS 5302A	Merchandising in the Experience Economy	
MCS 5302B	Merchandising Strategies in Domestic and International Markets	
MCS 5302C	Buying, Planning and Allocation	
MCS 5303	Sustainable Textiles	
MCS 5331	Strategic Merchandise Planning	
MCS 5332	Innovation in the Global Market	
MCS 5333	Global Sourcing and Distribution	
MCS 5336	Culture, Society, and Dress	
MCS 5341	Ethics in Merchandising and Consumption	
MCS 5342	Sustainable Consumer Economy	
MCS 5390	Merchandising and Consumer Studies Practicum	
MCS 5398	Directed Study in Merchandising and Consumer Studies	
PHIL 5301	Applied Philosophy	
PHIL 5322	Professional Ethics	
SUST 5301	Seminar in Sustainability	
Free Electives		
Choose 3 hours of advisor-approved electives		3
Thesis		
MCS 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
MCS 5199B	Thesis	
MCS 5299B	Thesis	
MCS 5399B	Thesis	
MCS 5599B	Thesis	
MCS 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to

work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Family and Consumer Sciences: FCS

Courses Offered

Family and Consumer Sciences (FCS)

FCS 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable up to 3 times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5301. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. It provides information about the educational needs of Texas State University's diverse student body. It also identifies educational strategies and campus resources that support the learning of undergraduate students. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5302H. Sustainable Consumer Economy.
This course is a in-depth study of the role of consumption in the development of sustainable systems including the family, natural resources and economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5302J. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Restricted to students in one of the graduate FCS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCS 5302S. Sustainable Textiles.
This course is an in-depth study of the relationship of fibers, fabrics, finishes and textile products end-uses with a particular focus on their impact on sustainability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5305. Sustainable Housing.
This course is an in-depth study of the relationship between housing and sustainability with a particular focus on the role of materials, technology, policy and human factors in fostering healthy social, economic and natural systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5307. Sustainable Lighting.
This course focuses on understanding the elements and principles of sustainable lighting and explains how it meets the qualitative needs of the visual environment with the least impact on the natural environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5310. Research Methods in FCS.
This course will cover the evaluation of concepts, methods, and strategies for research in the disciplines of family and consumer sciences. The course will focus on the nature and ethics of scientific research, including design, sampling, measurement, and data collection. Restricted to graduate level majors in the School of Family and Consumer Sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5311. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Prerequisite: FCS 5310 with a grade of "C" or better. Restricted to graduate students in FCS.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5340. International Study in Family and Consumer Sciences.
Study of Family and Consumer Sciences topics in international settings. Emphasis will be placed on an analysis of cultural differences and similarities and their application within FCS professions. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

Department of Organization, Workforce, and Leadership Studies

Pedernales Building
Telephone: 512-245-2115 Fax: 512-245-3047
http://www.owls.txstate.edu

The Department of Organizational, Workforce, and Leadership Studies offers two distinct master's degrees designed for professionals focused on career success in organizational and technical education settings. Both degree programs are offered in an online or blended format to meet the needs of today's career-minded student. All students work with a faculty advisor to coordinate their degree choices with their professional goals and aspirations. Faculty with expertise in adult learning, online and technical education create challenging online learning environments to promote success.

Our programs are designed for part-time study while working and may be completed from most any location. We offer flexible course scheduling, including accelerated courses on 8-week half-semester terms or 5-week summer terms, to allow students to move quickly through the program. we offer advising and support in San Marcos, Round Rock, and online. Visit our website for additional information on the program and to contact a faculty advisor for an individualized appointment. Your advisor and departmental faculty can assist you in outlining and supporting your career goals with a relevant degree, whether you have or are seeking a career in the following:

- training and development,
- career and technical education,
- organization development,
- management of training and curriculum environments,
- public service,
- personnel development and management, and many related fields.

Master of Arts in Interdisciplinary Studies (M.A.I.S.)

- Major in Interdisciplinary Studies (p. 809)

Master of Science in Interdisciplinary Studies (M.S.I.S.)

- Major in Interdisciplinary Studies (p. 817)

Master of Education (M.Ed.)

- Major in Management of Technical Education (p. 813)

Master of Arts in Interdisciplinary Studies (M.A.I.S.) Major in Interdisciplinary Studies

Program Overview

The Master of Arts in Interdisciplinary Studies (M.A.I.S.) degree with a concentration in Occupation, Workforce, and Leadership Studies is coordinated through the Department of Organization, Workforce, and Leadership Studies. The interdisciplinary studies degree program utilizes courses from other departments offering graduate-level work. The interdisciplinary studies degree is highly individualized and is designed to provide the adult with various course options. Further information may be obtained by contacting the program chair of the Department of Organization, Workforce, and Leadership Studies, referencing the “Interdisciplinary Studies” section of this catalog, or the Department of Organization, Workforce, and Leadership Studies website at http://www.owls.txstate.edu/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials

- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- statement of purpose outlining future direction

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the last-60-hours GPA falls below the minimum requirement of 2.75, the following is required:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- interview

Conditional admission is not available to applicants who require "F" or "J" visas.

Degree Requirements

The Master of Arts in Interdisciplinary Studies (M.A.I.S.) degree with a major in Interdisciplinary Studies concentration in organization, workforce, and leadership studies requires 39 semester credit hours, including:

1. Four or more departments represented in coursework (represented by prefixes, so CTE/OCED represent two departments)
2. Three or more colleges must be represented in coursework
3. Three or more departments (course prefixes) must have six or more hours in the departments.
4. No more than 15 hours in any department
5. No more than 12 hours by extension/correspondence (for students intending to do the Certified Public Manager program).

Course Requirements

Code	Title	Hours
Foundation Courses [1]		
CTE 5303	Interdisciplinary Studies in Occupational, Workforce, and Leadership Studies	3
OCED 5360D	Leadership Development	3
OCED 5360E	Organization Development in the Workplace	3
OCED 5310	Human Problems in the Workplace	3
or OCED 5361	Human Systems in the Workplace	
or CTE 5313L	Emergent Workplace Perspectives	
or CTE 5324	Human Performance in the Workplace	
or CTE 5315	Leadership and Professional Development	
Ethics Module [1]		
PHIL 5322	Professional Ethics	3
PHIL 5301	Applied Philosophy	3
or PHIL 5302	Dialogue	
or PHIL 5303	Philosophy of Technology	
or PHIL 5351	Philosophy of Education	
or PHIL 5388	Problems in Philosophy	
Interdisciplinary Academic Module		
Choose 12 hours of advisor-approved courses		12
Exit Module (Students should choose from either the Practicum Based Exit Sequence, or the Research Based Exit Sequence) [2]		
OCED 5300	Interdisciplinary Research Methods	3
or CTE 5330	Overview of Interdisciplinary Research	
OCED 5301	Applied Interdisciplinary Research Part 1	3
or OCED 5303	Reflective and Experiential Learning Techniques	
OCED 5302	Applied Interdisciplinary Research Part 2	3
or OCED 5304	Professional Practicum	
Total Hours		39

1 The courses in the ethics module may be utilized towards the Graduate Certificate in Professional Ethics. However, separate admission to the Graduate Certificate in Professional Ethics is needed.

2 The courses in the Exit Module are sequential. OCED 5300 may only be offered during fall semesters. You may take Exit Module courses while taking other courses. Courses in exit module are sequential, and the prior course in the exit module must be completed before moving on to the next course in the exit module.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Organization, Workforce, and Leadership Studies: CTE (p. 810), OCED (p. 812)

Courses Offered

Career and Technical Education (CTE)

CTE 5300. Career and Technical Education Student Identification, Placement, and Follow-up.
This course provides an overview of the theory, methods, and instruments used in determining occupational aptitude, programs of job placement, and the study of the development and coordination of student follow-up.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5301. Technology of Teaching.
This course presents the research and theory related to the technology of teaching. Topics include learning theories, effective teaching techniques, motivation and performance, evaluation, and classroom dynamics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5303. Interdisciplinary Studies in Occupational, Workforce, and Leadership Studies.
This course provides an overview of interdisciplinary studies' frameworks in the fields related to occupational, workforce, and leadership studies. Students investigate career options, develop plans of study, integrate interdisciplinary academic material, and refine interdisciplinary writing skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5305. Laboratory and Classroom Organization and Management.
This course involves the organization and management of CTE classroom and instructional laboratories and related materials. It includes the establishment of record and inventory systems, establishment of student rotations, hygiene and safety requirements, working with suppliers and potential donors, and maintenance of equipment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5306. Instructional Materials Development Technology.
This course provides students opportunities to develop knowledge, skills, and abilities relevant to assessing instructional materials in education and training, within the context of real-world settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5307. Selection, Placement, and Follow-Up in Cooperative Education.
This course provides an overview of organizing and operating cooperative training programs in the community. It includes instruction in the procedures for assisting in the selection of occupations appropriate for students, assisting students in managing school and work time, and coordinating of school and workplace instructional efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5308. Problems in Cooperative Training.
This course provides a review of basic standards for cooperative education, underlying reasons for standards, and current issues/problems in cooperative education programs. Students will discuss and provide solutions to current dilemmas of cooperative education, through the use of organizational research techniques and organizational problem solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5312. Development, Organization, and Use of Instructional Material.
This course involves the selection of lesson content, lesson planning, and instructional material development. The emphasis is on the effective development and evaluation of instructional materials. A variety of methods will be taught to gather and utilize instructional materials.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5313C. Teaching Entrepreneurship in Career and Technical Education.
This course includes a study and analysis of ownership, marketing strategies, location, financing, regulations, managing, and protecting a business. Students will analyze current research and techniques in teaching entrepreneurship in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 5313L. Emergent Workplace Perspectives.
This course examines the emergent and evolving nature of the modern workplace. Students will explore topics related to interdisciplinary perspectives in the workplace such as inequality related to gender and race, workers' rights, knowledge, control, the role of technology, and globalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 5313M. Program Evaluation in Career and Technical Education.
Students will gain an in-depth understanding of terminology and program evaluation, guiding principles, approaches and models, and professional standards utilized while conducting program evaluations of career and technical education (CTE) programs. Students will apply these concepts to design a program evaluation proposal for an existing or proposed CTE program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 5314. Human Relations for Career and Technical Education Teachers.
This course includes a study of methods of establishing and maintaining effective relationships with students, co-workers, families, business and industry, and community members. Strategies for teaching students and mentoring employees on the dynamics of human relations are highlighted.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5315. Leadership and Professional Development.
This course provides an overview of leadership approaches used in various educational, training, and workplace settings. Students will explore current research on leadership and engage in activities geared toward building leadership skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5320. Effective Methods of Teaching and Training.
This fundamental course is for trade and industrial educators seeking certification and technical trainers who are not seeking certification. It is designed to prepare them to apply effective teaching principles and techniques. Lesson plans will be prepared, classrooms managed, and practice teaching included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5321. Work-based Learning in Career and Technical Education.
This course is intended for teacher coordinators of work-based programs in trades and industrial cooperative education. There is an emphasis on selection of occupations and training stations, student recruitment, instructional coordination in numerous on-the-job experiences, state and local reports, and recordkeeping requirements. Research is conducted on local districts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5322. Teaching and Training as Professions.
This course emphasizes the professional requirements of teaching and training in a variety of settings. Professional topics include licensure and preparation for the profession, organizations, philosophical foundations of teaching and training, and the socio-political landscape of teaching and training. Research is conducted on reform efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5323. Technology Applications.
This course covers the use of computers in the classroom or office. Topics include history of computers, philosophies of computer integration, research in computer use, overview of common computer programs, and history and use of the Internet. Trades and Industry teacher candidates will review for the TExES examination.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5324. Human Performance in the Workplace.
The course provides an overview of current quality improvement strategies utilized in business and industry settings. Topics include the teaching of Human Performance Technology (HPT), organizational culture, teamwork, leadership, measuring improvement, statistical process control, and restructuring of work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5330. Overview of Interdisciplinary Research.
Students will become familiar with various interdisciplinary research methods, learn concepts related to research, and conduct reviews and critiques of academic research articles. The application of academic research to practical problems will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5341. Supervision of Career and Technical Education.
This course provides an overview of skills and attitudes for the supervision of personnel in the field of CTE. Students will learn the dynamics of supervision, the supervisor's role in the workplace, and the evaluation of instructional and other personnel in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5355. Career Education and Occupational Information in Career and Technical Education Guidance.
This course deals with the collection, evaluation, and interpretation of common occupational, career, and personal information. It includes an overview of current theory and research in occupational selection techniques, psychological and sociological factors in career selection, and job analysis. The emphasis is on the practical application in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5390. Independent Study in Career and Technical Education.
This is an independent study course involving the study of important and timely topics in CTE. Students complete the study at the direction of the faculty member. This course may be repeated with different topics with departmental permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Occupational Education (OCED)

OCED 5101. Instructional Skill Development.
Graduate assistants are required to enroll in this course to be prepared to instruct/assist with classes in Occupational/Career and Technology Education. Topics covered are essential teaching strategies, techniques, evaluation design, online instruction, and effective instructional, motivational techniques. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

OCED 5300. Interdisciplinary Research Methods.
Basic and advanced concepts related to interdisciplinary research. Special emphasis will be placed on technical writing skills, electronic analysis of databases, appropriate statistical treatment of data, development and validation of instruments, and interdisciplinary research design and procedures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5301. Applied Interdisciplinary Research Part 1.
The instructional intent is to provide the graduate students with an opportunity to apply their research skills. Students are carefully monitored and mentored in initiating, performing, and documenting their individualized research project. Prerequisite: OCED 5300 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5302. Applied Interdisciplinary Research Part 2.
This course is the final course in the interdisciplinary research series. It requires the development of a comprehensive final research report including extensive tables and graphs. Students must also be prepared to present the findings of the research to the Occupational Education faculty and students at the Graduate Research Forum. Prerequisite: OCED 5301 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5303. Reflective and Experiential Learning Techniques.
This course prepares graduate students for a field-based practicum. Students learn reflection and experiential learning techniques useful in the domain of careers, workplace, and leadership. They also locate, develop, and propose a professional practicum experience. Corequisite: CTE 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5304. Professional Practicum.
This course engages students in a field based experience designed in OCED 5360C, the previous course in the sequence. Students implement their practicum of approximately 120 hours in a work-based setting and concurrently collect ongoing reflections of their experience.
3 Credit Hours. 1 Lecture Contact Hour. 8 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5310. Human Problems in the Workplace.
Overview of problems that supervisors, teachers, and co-workers encounter in business/industry, social service, military, or education. This range of problems interferes with communication, performance, and development of proficiency in school/work. Perspectives and reports on the incidence of these problems will be presented, as well as actions for these human problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5311. Technology, Change, and Innovation in Organizations.
This course provides students with opportunities to discover and apply theoretical perspectives on managing innovations within various organizational settings, such as work teams, departments, non-profits, governmental, businesses, and educational institutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5315. The Principles of Extramural Funding.
This course explores competencies of locating external agency funding for occupational, workforce, and leadership research, teaching and extension. The principles of producing a competitive proposal that includes multi-, cross- and inter-disciplinary collaborations are also discussed. The development of the grant proposal, implementation, budget, and evaluation plan will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5360B. Critical Thinking in the Workplace.
This course provides students with an opportunity to examine workplace decision making in terms of critical thinking. Current occupational approaches to critical thinking will be emphasized. Students will participate in simulations and case studies of critical thinking for the workplace.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

OCED 5360D. Leadership Development.
This course introduces students to leadership theory. Students will explore multiple approaches to leadership, topics related to leadership within organizations, ethics and values in leadership, and practical applications of theory in real-life situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

OCED 5360E. Organization Development in the Workplace.
This course introduces students to organization development (OD), which uses knowledge and practices to improve organizational, group, and individual performance. Students will explore major theories, concepts, skills, and techniques for the practice of OD and the interventions used to lead and manage organization change in various contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

OCED 5360F. The Basics of Extramural Funding.
Emphasizing professional relationships of mutuality, collaboration, and respect for the client system, this course helps students develop knowledge and skills to enhance organizational resources, particularly in developing programs, raising funds, writing grant proposals, and marketing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

OCED 5361. Human Systems in the Workplace.
This course provides an overview of complexity science and systems theory. Students will explore how systematic inquiries are conducted within organizations, examine topics related to organizational dynamics, and apply systems theory to practical problems in organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Management of Technical Education

Program Overview

The Department of Organization, Workforce, and Leadership Studies also offers the Master of Education (M.Ed.) degree for those interested in supervision. The M.Ed. degree has a major in Management of Technical Education and is a highly specialized degree program. It is a designed to assist an individual in learning skills that would enhance his or her performance in managing technical education in either an education or an industrial setting. The degree provides the broad skills necessary for an educator or trainer to become a better instructor and manager of instruction. In this program, students develop instructional and managerial competencies through various courses in curriculum design and delivery, instructional improvement, human performance technology, class organization, management, teaching/learning styles, diversity, understanding organizations, and program evaluation. Course schedules are flexible to accommodate the needs of working professionals, and many courses are offered in online and hybrid formats. This option allows students to complete courses from home and study whenever and wherever is convenient. Hybrid courses meet three times each semester, and the remainder of the work is online. Contact the department chair

of Department of Organization, Workforce, and Leadership Studies or go to http://www.owls.txstate.edu/ for more information.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts required from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- statement of purpose (one page)

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the last-60-hours GPA falls below the minimum requirement of 2.75, the following is required:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- interview

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Management of Technical Education requires 36 semester credit hours. Please consult the advisor for timing of courses.

Course Requirements

Code	Title	Hours
Foundations Courses		
CTE 5303	Interdisciplinary Studies in Occupational, Workforce, and Leadership Studies	3
CTE 5330	Overview of Interdisciplinary Research	3
Level I		9
EDCL 5339	Understanding Self: Developing a Personal Vision of Leadership	
EDCL 5340	Shaping Organizations and Using Inquiry: Management and Leadership	
EDCL 5345	Understanding People: Professional Development	
EDCL 5347	Understanding Environments: Social, Political, Economic, Legal, and Technological	
EDCL 5348	Supervision of Instruction	
EDCL 6342	Curriculum Design	
EDCL 6344	Campus Leadership	
Level II		21
CTE 5301	Technology of Teaching	
CTE 5306	Instructional Materials Development Technology	
CTE 5313F		
CTE 5314	Human Relations for Career and Technical Education Teachers	
CTE 5320	Effective Methods of Teaching and Training	
CTE 5321	Work-based Learning in Career and Technical Education	
CTE 5322	Teaching and Training as Professions	
CTE 5341	Supervision of Career and Technical Education	
CTE 5355	Career Education and Occupational Information in Career and Technical Education Guidance	
OCED 5310	Human Problems in the Workplace	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Occupational, Workforce, and Leadership Studies: CTE (p. 814), OCED (p. 816)

Courses Offered

Career and Technical Education (CTE)

CTE 5300. Career and Technical Education Student Identification, Placement, and Follow-up.
This course provides an overview of the theory, methods, and instruments used in determining occupational aptitude, programs of job placement, and the study of the development and coordination of student follow-up.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5301. Technology of Teaching.
This course presents the research and theory related to the technology of teaching. Topics include learning theories, effective teaching techniques, motivation and performance, evaluation, and classroom dynamics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5303. Interdisciplinary Studies in Occupational, Workforce, and Leadership Studies.
This course provides an overview of interdisciplinary studies' frameworks in the fields related to occupational, workforce, and leadership studies. Students investigate career options, develop plans of study, integrate interdisciplinary academic material, and refine interdisciplinary writing skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5305. Laboratory and Classroom Organization and Management.
This course involves the organization and management of CTE classroom and instructional laboratories and related materials. It includes the establishment of record and inventory systems, establishment of student rotations, hygiene and safety requirements, working with suppliers and potential donors, and maintenance of equipment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5306. Instructional Materials Development Technology.
This course provides students opportunities to develop knowledge, skills, and abilities relevant to assessing instructional materials in education and training, within the context of real-world settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5307. Selection, Placement, and Follow-Up in Cooperative Education.
This course provides an overview of organizing and operating cooperative training programs in the community. It includes instruction in the procedures for assisting in the selection of occupations appropriate for students, assisting students in managing school and work time, and coordinating of school and workplace instructional efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5308. Problems in Cooperative Training.
This course provides a review of basic standards for cooperative education, underlying reasons for standards, and current issues/problems in cooperative education programs. Students will discuss and provide solutions to current dilemmas of cooperative education, through the use of organizational research techniques and organizational problem solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5312. Development, Organization, and Use of Instructional Material.
This course involves the selection of lesson content, lesson planning, and instructional material development. The emphasis is on the effective development and evaluation of instructional materials. A variety of methods will be taught to gather and utilize instructional materials.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5313C. Teaching Entrepreneurship in Career and Technical Education.
This course includes a study and analysis of ownership, marketing strategies, location, financing, regulations, managing, and protecting a business. Students will analyze current research and techniques in teaching entrepreneurship in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 5313L. Emergent Workplace Perspectives.
This course examines the emergent and evolving nature of the modern workplace. Students will explore topics related to interdisciplinary perspectives in the workplace such as inequality related to gender and race, workers' rights, knowledge, control, the role of technology, and globalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 5313M. Program Evaluation in Career and Technical Education.
Students will gain an in-depth understanding of terminology and program evaluation, guiding principles, approaches and models, and professional standards utilized while conducting program evaluations of career and technical education (CTE) programs. Students will apply these concepts to design a program evaluation proposal for an existing or proposed CTE program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 5314. Human Relations for Career and Technical Education Teachers.
This course includes a study of methods of establishing and maintaining effective relationships with students, co-workers, families, business and industry, and community members. Strategies for teaching students and mentoring employees on the dynamics of human relations are highlighted.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5315. Leadership and Professional Development.
This course provides an overview of leadership approaches used in various educational, training, and workplace settings. Students will explore current research on leadership and engage in activities geared toward building leadership skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5320. Effective Methods of Teaching and Training.
This fundamental course is for trade and industrial educators seeking certification and technical trainers who are not seeking certification. It is designed to prepare them to apply effective teaching principles and techniques. Lesson plans will be prepared, classrooms managed, and practice teaching included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5321. Work-based Learning in Career and Technical Education.
This course is intended for teacher coordinators of work-based programs in trades and industrial cooperative education. There is an emphasis on selection of occupations and training stations, student recruitment, instructional coordination in numerous on-the-job experiences, state and local reports, and recordkeeping requirements. Research is conducted on local districts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5322. Teaching and Training as Professions.
This course emphasizes the professional requirements of teaching and training in a variety of settings. Professional topics include licensure and preparation for the profession, organizations, philosophical foundations of teaching and training, and the socio-political landscape of teaching and training. Research is conducted on reform efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5323. Technology Applications.
This course covers the use of computers in the classroom or office. Topics include history of computers, philosophies of computer integration, research in computer use, overview of common computer programs, and history and use of the Internet. Trades and Industry teacher candidates will review for the TExES examination.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5324. Human Performance in the Workplace.
The course provides an overview of current quality improvement strategies utilized in business and industry settings. Topics include the teaching of Human Performance Technology (HPT), organizational culture, teamwork, leadership, measuring improvement, statistical process control, and restructuring of work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5330. Overview of Interdisciplinary Research.
Students will become familiar with various interdisciplinary research methods, learn concepts related to research, and conduct reviews and critiques of academic research articles. The application of academic research to practical problems will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5341. Supervision of Career and Technical Education.
This course provides an overview of skills and attitudes for the supervision of personnel in the field of CTE. Students will learn the dynamics of supervision, the supervisor's role in the workplace, and the evaluation of instructional and other personnel in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5355. Career Education and Occupational Information in Career and Technical Education Guidance.
This course deals with the collection, evaluation, and interpretation of common occupational, career, and personal information. It includes an overview of current theory and research in occupational selection techniques, psychological and sociological factors in career selection, and job analysis. The emphasis is on the practical application in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5390. Independent Study in Career and Technical Education.
This is an independent study course involving the study of important and timely topics in CTE. Students complete the study at the direction of the faculty member. This course may be repeated with different topics with departmental permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Occupational Education (OCED)

OCED 5101. Instructional Skill Development.
Graduate assistants are required to enroll in this course to be prepared to instruct/assist with classes in Occupational/Career and Technology Education. Topics covered are essential teaching strategies, techniques, evaluation design, online instruction, and effective instructional, motivational techniques. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

OCED 5300. Interdisciplinary Research Methods.
Basic and advanced concepts related to interdisciplinary research. Special emphasis will be placed on technical writing skills, electronic analysis of databases, appropriate statistical treatment of data, development and validation of instruments, and interdisciplinary research design and procedures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5301. Applied Interdisciplinary Research Part 1.
The instructional intent is to provide the graduate students with an opportunity to apply their research skills. Students are carefully monitored and mentored in initiating, performing, and documenting their individualized research project. Prerequisite: OCED 5300 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5302. Applied Interdisciplinary Research Part 2.
This course is the final course in the interdisciplinary research series. It requires the development of a comprehensive final research report including extensive tables and graphs. Students must also be prepared to present the findings of the research to the Occupational Education faculty and students at the Graduate Research Forum. Prerequisite: OCED 5301 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5303. Reflective and Experiential Learning Techniques.
This course prepares graduate students for a field-based practicum. Students learn reflection and experiential learning techniques useful in the domain of careers, workplace, and leadership. They also locate, develop, and propose a professional practicum experience. Corequisite: CTE 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5304. Professional Practicum.
This course engages students in a field based experience designed in OCED 5360C, the previous course in the sequence. Students implement their practicum of approximately 120 hours in a work-based setting and concurrently collect ongoing reflections of their experience.
3 Credit Hours. 1 Lecture Contact Hour. 8 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5310. Human Problems in the Workplace.
Overview of problems that supervisors, teachers, and co-workers encounter in business/industry, social service, military, or education. This range of problems interferes with communication, performance, and development of proficiency in school/work. Perspectives and reports on the incidence of these problems will be presented, as well as actions for these human problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5311. Technology, Change, and Innovation in Organizations.
This course provides students with opportunities to discover and apply theoretical perspectives on managing innovations within various organizational settings, such as work teams, departments, non-profits, governmental, businesses, and educational institutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5315. The Principles of Extramural Funding.
This course explores competencies of locating external agency funding for occupational, workforce, and leadership research, teaching and extension. The principles of producing a competitive proposal that includes multi-, cross- and inter-disciplinary collaborations are also discussed. The development of the grant proposal, implementation, budget, and evaluation plan will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5360B. Critical Thinking in the Workplace.
This course provides students with an opportunity to examine workplace decision making in terms of critical thinking. Current occupational approaches to critical thinking will be emphasized. Students will participate in simulations and case studies of critical thinking for the workplace.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

OCED 5360D. Leadership Development.
This course introduces students to leadership theory. Students will explore multiple approaches to leadership, topics related to leadership within organizations, ethics and values in leadership, and practical applications of theory in real-life situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

OCED 5360E. Organization Development in the Workplace.
This course introduces students to organization development (OD), which uses knowledge and practices to improve organizational, group, and individual performance. Students will explore major theories, concepts, skills, and techniques for the practice of OD and the interventions used to lead and manage organization change in various contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

OCED 5360F. The Basics of Extramural Funding.
Emphasizing professional relationships of mutuality, collaboration, and respect for the client system, this course helps students develop knowledge and skills to enhance organizational resources, particularly in developing programs, raising funds, writing grant proposals, and marketing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

OCED 5361. Human Systems in the Workplace.
This course provides an overview of complexity science and systems theory. Students will explore how systematic inquiries are conducted within organizations, examine topics related to organizational dynamics, and apply systems theory to practical problems in organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Science in Interdisciplinary Studies (M.S.I.S.) Major in Interdisciplinary Studies

Program Overview

The Master of Science in Interdisciplinary Studies (M.S.I.S.) degree with a major in Interdisciplinary Studies and a concentration in Occupation, Workforce, and Leadership Studies is coordinated through the Department of Organization, Workforce, and Leadership Studies. The interdisciplinary studies degree program draws courses from other departments offering graduate-level work. The interdisciplinary studies degree is highly individualized and is designed to provide the adult with various course options. Further information may be obtained by contacting the program chair of the Department of Organization, Workforce, and Leadership Studies, referencing the “interdisciplinary studies” section of this catalog, or the Department of Organization, Workforce, and Leadership Studies website at http://www.owls.txstate.edu/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- statement of purpose outlining future direction

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the last-60-hours GPA falls below the minimum requirement of 2.75, the following is required:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- interview

Conditional admission is not available to applicants who require "F" or "J" visas.

Degree Requirements

The Master of Science in Interdisciplinary Studies (M.S.I.S.) degree with a major in Interdisciplinary Studies concentration in organization, workforce, and leadership studies requires 39 semester credit hours, including:

1. Four or more departments represented in coursework (represented by prefixes, so CTE/OCED represent two departments)
2. Three or more colleges must be represented in coursework
3. Three or more departments (course prefixes) must have six or more hours in the departments.
4. No more than 15 hours in any department
5. No more than 12 hours by extension/correspondence (for students intending to do the Certified Public Manager program).

Course Requirements

Code	Title	Hours
Foundation Courses		
CTE 5303	Interdisciplinary Studies in Occupational, Workforce, and Leadership Studies	3
OCED 5360D	Leadership Development	3
OCED 5360E	Organization Development in the Workplace	3
OCED 5310	Human Problems in the Workplace	3
or OCED 5361	Human Systems in the Workplace	
or CTE 5313L	Emergent Workplace Perspectives	
or CTE 5324	Human Performance in the Workplace	
or CTE 5315	Leadership and Professional Development	
Ethics Module		
PHIL 5322	Professional Ethics	3
PHIL 5301	Applied Philosophy	3
or PHIL 5302	Dialogue	
or PHIL 5303	Philosophy of Technology	
or PHIL 5351	Philosophy of Education	
or PHIL 5388	Problems in Philosophy	
Interdisciplinary Academic Module		
Choose 12 hours of advisor-approved electives		12
Exit Module (Students Will Choose Between the Research Based Exit Module or the Practicum Sequence) [2]		
OCED 5300	Interdisciplinary Research Methods	3
or CTE 5330	Overview of Interdisciplinary Research	
OCED 5301	Applied Interdisciplinary Research Part 1	3
or OCED 5303	Reflective and Experiential Learning Techniques	
OCED 5302	Applied Interdisciplinary Research Part 2	3
or OCED 5304	Professional Practicum	
Total Hours		39

[1] The courses in the ethics module may be utilized towards the Graduate Certificate in Professional Ethics. However, separate admission to the Graduate Certificate in Professional Ethics is needed.

[2] The courses in the Exit Module are sequential. OCED 5300 may only be offered during fall semesters. You may take Exit Module courses while also taking other courses. Courses in exit module are sequential, and the prior course in the exit module must be completed before moving on to the next course in the exit module.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Organization, Workforce, and Leadership Studies: CTE (p. 819), OCED (p. 820)

Courses Offered

Career and Technical Education (CTE)

CTE 5300. Career and Technical Education Student Identification, Placement, and Follow-up.
This course provides an overview of the theory, methods, and instruments used in determining occupational aptitude, programs of job placement, and the study of the development and coordination of student follow-up.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5301. Technology of Teaching.
This course presents the research and theory related to the technology of teaching. Topics include learning theories, effective teaching techniques, motivation and performance, evaluation, and classroom dynamics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5303. Interdisciplinary Studies in Occupational, Workforce, and Leadership Studies.
This course provides an overview of interdisciplinary studies' frameworks in the fields related to occupational, workforce, and leadership studies. Students investigate career options, develop plans of study, integrate interdisciplinary academic material, and refine interdisciplinary writing skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5305. Laboratory and Classroom Organization and Management.
This course involves the organization and management of CTE classroom and instructional laboratories and related materials. It includes the establishment of record and inventory systems, establishment of student rotations, hygiene and safety requirements, working with suppliers and potential donors, and maintenance of equipment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5306. Instructional Materials Development Technology.
This course provides students opportunities to develop knowledge, skills, and abilities relevant to assessing instructional materials in education and training, within the context of real-world settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5307. Selection, Placement, and Follow-Up in Cooperative Education.
This course provides an overview of organizing and operating cooperative training programs in the community. It includes instruction in the procedures for assisting in the selection of occupations appropriate for students, assisting students in managing school and work time, and coordinating of school and workplace instructional efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5308. Problems in Cooperative Training.
This course provides a review of basic standards for cooperative education, underlying reasons for standards, and current issues/problems in cooperative education programs. Students will discuss and provide solutions to current dilemmas of cooperative education, through the use of organizational research techniques and organizational problem solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5312. Development, Organization, and Use of Instructional Material.
This course involves the selection of lesson content, lesson planning, and instructional material development. The emphasis is on the effective development and evaluation of instructional materials. A variety of methods will be taught to gather and utilize instructional materials.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5313C. Teaching Entrepreneurship in Career and Technical Education.
This course includes a study and analysis of ownership, marketing strategies, location, financing, regulations, managing, and protecting a business. Students will analyze current research and techniques in teaching entrepreneurship in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 5313L. Emergent Workplace Perspectives.
This course examines the emergent and evolving nature of the modern workplace. Students will explore topics related to interdisciplinary perspectives in the workplace such as inequality related to gender and race, workers' rights, knowledge, control, the role of technology, and globalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 5313M. Program Evaluation in Career and Technical Education.
Students will gain an in-depth understanding of terminology and program evaluation, guiding principles, approaches and models, and professional standards utilized while conducting program evaluations of career and technical education (CTE) programs. Students will apply these concepts to design a program evaluation proposal for an existing or proposed CTE program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 5314. Human Relations for Career and Technical Education Teachers.
This course includes a study of methods of establishing and maintaining effective relationships with students, co-workers, families, business and industry, and community members. Strategies for teaching students and mentoring employees on the dynamics of human relations are highlighted.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5315. Leadership and Professional Development.
This course provides an overview of leadership approaches used in various educational, training, and workplace settings. Students will explore current research on leadership and engage in activities geared toward building leadership skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5320. Effective Methods of Teaching and Training.
This fundamental course is for trade and industrial educators seeking certification and technical trainers who are not seeking certification. It is designed to prepare them to apply effective teaching principles and techniques. Lesson plans will be prepared, classrooms managed, and practice teaching included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5321. Work-based Learning in Career and Technical Education.
This course is intended for teacher coordinators of work-based programs in trades and industrial cooperative education. There is an emphasis on selection of occupations and training stations, student recruitment, instructional coordination in numerous on-the-job experiences, state and local reports, and recordkeeping requirements. Research is conducted on local districts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5322. Teaching and Training as Professions.
This course emphasizes the professional requirements of teaching and training in a variety of settings. Professional topics include licensure and preparation for the profession, organizations, philosophical foundations of teaching and training, and the socio-political landscape of teaching and training. Research is conducted on reform efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5323. Technology Applications.
This course covers the use of computers in the classroom or office. Topics include history of computers, philosophies of computer integration, research in computer use, overview of common computer programs, and history and use of the Internet. Trades and Industry teacher candidates will review for the TExES examination.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5324. Human Performance in the Workplace.
The course provides an overview of current quality improvement strategies utilized in business and industry settings. Topics include the teaching of Human Performance Technology (HPT), organizational culture, teamwork, leadership, measuring improvement, statistical process control, and restructuring of work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5330. Overview of Interdisciplinary Research.
Students will become familiar with various interdisciplinary research methods, learn concepts related to research, and conduct reviews and critiques of academic research articles. The application of academic research to practical problems will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5341. Supervision of Career and Technical Education.
This course provides an overview of skills and attitudes for the supervision of personnel in the field of CTE. Students will learn the dynamics of supervision, the supervisor's role in the workplace, and the evaluation of instructional and other personnel in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5355. Career Education and Occupational Information in Career and Technical Education Guidance.
This course deals with the collection, evaluation, and interpretation of common occupational, career, and personal information. It includes an overview of current theory and research in occupational selection techniques, psychological and sociological factors in career selection, and job analysis. The emphasis is on the practical application in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5390. Independent Study in Career and Technical Education.
This is an independent study course involving the study of important and timely topics in CTE. Students complete the study at the direction of the faculty member. This course may be repeated with different topics with departmental permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Occupational Education (OCED)

OCED 5101. Instructional Skill Development.
Graduate assistants are required to enroll in this course to be prepared to instruct/assist with classes in Occupational/Career and Technology Education. Topics covered are essential teaching strategies, techniques, evaluation design, online instruction, and effective instructional, motivational techniques. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

OCED 5300. Interdisciplinary Research Methods.
Basic and advanced concepts related to interdisciplinary research. Special emphasis will be placed on technical writing skills, electronic analysis of databases, appropriate statistical treatment of data, development and validation of instruments, and interdisciplinary research design and procedures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5301. Applied Interdisciplinary Research Part 1.
The instructional intent is to provide the graduate students with an opportunity to apply their research skills. Students are carefully monitored and mentored in initiating, performing, and documenting their individualized research project. Prerequisite: OCED 5300 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5302. Applied Interdisciplinary Research Part 2.
This course is the final course in the interdisciplinary research series. It requires the development of a comprehensive final research report including extensive tables and graphs. Students must also be prepared to present the findings of the research to the Occupational Education faculty and students at the Graduate Research Forum. Prerequisite: OCED 5301 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5303. Reflective and Experiential Learning Techniques.
This course prepares graduate students for a field-based practicum. Students learn reflection and experiential learning techniques useful in the domain of careers, workplace, and leadership. They also locate, develop, and propose a professional practicum experience. Corequisite: CTE 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5304. Professional Practicum.
This course engages students in a field based experience designed in OCED 5360C, the previous course in the sequence. Students implement their practicum of approximately 120 hours in a work-based setting and concurrently collect ongoing reflections of their experience.
3 Credit Hours. 1 Lecture Contact Hour. 8 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5310. Human Problems in the Workplace.
Overview of problems that supervisors, teachers, and co-workers encounter in business/industry, social service, military, or education. This range of problems interferes with communication, performance, and development of proficiency in school/work. Perspectives and reports on the incidence of these problems will be presented, as well as actions for these human problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5311. Technology, Change, and Innovation in Organizations.
This course provides students with opportunities to discover and apply theoretical perspectives on managing innovations within various organizational settings, such as work teams, departments, non-profits, governmental, businesses, and educational institutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5315. The Principles of Extramural Funding.
This course explores competencies of locating external agency funding for occupational, workforce, and leadership research, teaching and extension. The principles of producing a competitive proposal that includes multi-, cross- and inter-disciplinary collaborations are also discussed. The development of the grant proposal, implementation, budget, and evaluation plan will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5360B. Critical Thinking in the Workplace.
This course provides students with an opportunity to examine workplace decision making in terms of critical thinking. Current occupational approaches to critical thinking will be emphasized. Students will participate in simulations and case studies of critical thinking for the workplace.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

OCED 5360D. Leadership Development.
This course introduces students to leadership theory. Students will explore multiple approaches to leadership, topics related to leadership within organizations, ethics and values in leadership, and practical applications of theory in real-life situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

OCED 5360E. Organization Development in the Workplace.
This course introduces students to organization development (OD), which uses knowledge and practices to improve organizational, group, and individual performance. Students will explore major theories, concepts, skills, and techniques for the practice of OD and the interventions used to lead and manage organization change in various contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

OCED 5360F. The Basics of Extramural Funding.
Emphasizing professional relationships of mutuality, collaboration, and respect for the client system, this course helps students develop knowledge and skills to enhance organizational resources, particularly in developing programs, raising funds, writing grant proposals, and marketing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

OCED 5361. Human Systems in the Workplace.
This course provides an overview of complexity science and systems theory. Students will explore how systematic inquiries are conducted within organizations, examine topics related to organizational dynamics, and apply systems theory to practical problems in organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

School of Social Work

Encino Building Room 150
Telephone: 512-245-2592 Fax: 512-245-8097

http://www.socialwork.txstate.edu/

The School of Social Work is a vibrant branch of the College of Applied Arts. Its graduate program prepares students to engage in advanced-level social work practice after graduation.

The School of Social Work at Texas State has long been committed to preparing social workers to competently engage with diverse clients across the lifespan in various settings, including but not limited to, hospitals, non-profit agencies, schools, criminal justice systems, and the legislature. Not only are the School's graduates well-prepared to work effectively with a myriad of populations, they are also prepared to participate on interdisciplinary teams with a broad spectrum of other professionals, policy-makers, and organizations. A key component of students' preparation for social work practice is the School's extensive network of public and private agencies, both rural and urban, in which students complete field practicum/internships, integrate and apply all social work curricula, and develop masters-level practice skills.

Master of Social Work (M.S.W.)

- Major in Advanced Practice Leadership (On Campus Advanced BSW Holders Concentration) (http://mycatalog.txstate.edu/graduate/applied-arts/social-work/social-work-oncampus-advanced-msw)
- Major in Advanced Practice Leadership (On Campus Regular Non-BSW Holders Concentration) (http://mycatalog.txstate.edu/graduate/applied-arts/social-work/social-work-oncampus-regular-msw)
- Major in Advanced Practice Leadership (Online Advanced BSW Holders Concentration) (http://mycatalog.txstate.edu/graduate/applied-arts/social-work/social-work-online-advanced-msw)
- Major in Advanced Practice Leadership (Online Regular Non-BSW Holders Concentration) (http://mycatalog.txstate.edu/graduate/applied-arts/social-work/social-work-online-regular-msw)

Master of Social Work (M.S.W.) Major in Advanced Practice Leadership (On Campus Advanced BSW Holders Concentration)

Major Program

The School of Social Work offers the Master of Social Work (M.S.W.) degree with a major in Advanced Practice Leadership, which prepares students for advanced specialized practice. The degree is fully accredited by the Council on Social Work Education. Social work practice at the M.S.W. level shares a common core of knowledge, values, and skills. Throughout the curriculum, the School emphasizes social justice and professional ethics. The M.S.W. degree prepares graduates for a wide variety of positions in many diverse, interesting fields that address human needs.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or
- $90 nonrefundable application fee for applications with international credentials
- GRE not required
- departmental application
- resume/CV (maximum two pages)
- statement of purpose
- possible interview
- baccalaureate degree in social work (B.S.W.) with regional and CSWE (Council on Social Work Education) accreditations, earned within the last ten years
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in the last two full academic years of study
- minimum 3.0 GPA in all undergraduate social work courses

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0
- This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Social Work (M.S.W.) degree with a major in Advanced Practice Leadership requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
SOWK 5322	Advanced Social Policy and Social Justice	3
SOWK 5323	Advanced Social Work Research	3
SOWK 5370	Advanced Program Planning and Grant-Based Resource Development	3
SOWK 5371	Advanced Assessment, Leadership, and Supervision in Social Service Organizations	3
SOWK 5372	Advanced Diagnostic Assessment and Intervention with Individuals	3
SOWK 5373	Advanced Intervention with Families and Groups	3
SOWK 5378	Advanced Field Practicum 1	3
SOWK 5979	Advanced Field Practicum 2	9
Electives		
Choose 6 hours from the following:		6

SOWK 5302	Hip Hop and Social Justice for Individual and Community Change
SOWK 5303	Spirituality in Social Work Practice
SOWK 5312	Social Work Intervention in Drug Addiction & Abuse
SOWK 5315	Social Work Intervention in Child Abuse & Neglect
SOWK 5328	Interdisciplinary Perspectives on Aging
SOWK 5332	Helping Troops Transition Back to their Families and Communities: The Invisible Wounds of War
SOWK 5300A	Adventure Therapy: Theory, Research & Practice
SOWK 5300C	School Social Work
SOWK 5300E	Social Work and Health Care
Total Hours	36

Field Practicum

Field practicum (internship) involves the student intern working in a social service agency under the intensive supervision of a licensed master social worker. Advanced standing students must complete a total of 12 semester credit hours of field practicum. In the second year, full-time advanced standing students, field practicum occurs during the spring term. Part-time students will complete their field courses in two semesters. The first semester students will complete SOWK 5378 and SOWK 5379 SOWK 5379 SOWK 5379. In the second and final semester, part-time students will complete SOWK 5679 SOWK 5679 SOWK 5679.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Social Work: SOWK

Courses Offered

Social Work (SOWK)

SOWK 5300A. Adventure Therapy: Theory, Research & Practice.
This course will examine adventure therapy theory, research, and practice within a social work framework. Students will have the opportunity to engage in research-informed practice and develop skills in adventure therapy group facilitation. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300C. School Social Work.
This course is an advanced analysis and assessment of social services in the school setting, including: educational issues, conceptual framework, policies, and service delivery systems. Special attention is paid to cultural diversity, special populations, parent-school collaboration, community liaison, referral systems, and change. Additionally, this course covers individual and group intervention Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300E. Social Work and Health Care.
This elective course provides a generalist view of social work practice in mental health and public health, considering the social problems that affect health care, and ethical and effective intervention strategies and service delivery systems. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300F. International Social Work.
This course covers advanced theoretical and practical approaches to empowerment, social and economic justice, and human rights. Particular cultures and specific global problems are examined in-depth to promote student acquisition of an international worldview for human global change based on social work values and research-informed practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300G. Ghana: Human Rights and Social Justice Applied.
This graduate course focuses on applied social justice and human rights in a global context from an interdisciplinary standpoint in Ghana. The course involves both experiential and classroom learning with a significant international-based service learning component that intentionally integrates community service, academic learning, and civic learning.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300H. Comparative Social Work Ethics in Canterbury.
This course assists students in expanding an intermediate level of knowledge, values, and skills in the area of ethics in social work. The NASW Code of Ethics (US) and the National Codes of Ethics from the International Federation of Social Workers are used.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300I. Social Work and Social Services in Canterbury.
The purpose of this course is to assist the student in exploring social work processes, social service provision and services to special populations in Canterbury, England. Agency visits or primary research will guide learning.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300J. Introduction to Trauma Informed Care.
This advanced course focuses on culturally relevant knowledge and skills for theory-based, therapeutic assessment and intervention with diverse families and groups. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5411 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300K. Innovative Community Engagement with Vulnerable Populations.
This service-learning, Study-in-America course will require students to identify, examine, and critically analyze social service programs which provide services to vulnerable populations (persons experiencing poverty, homelessness, food insecurity, criminal justice issues, etc). Additional components of the course include travel to and participation in service-learning/volunteer activities in Louisiana.
3 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300M. ADVANCED INTERVENTION WITH INTIMATE PARTNERSHIPS (COUPLES).
This advanced course focuses on culturally relevant knowledge and skills for theory based, therapeutic assessment and intervention with diverse intimate partnerships. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5411 with a grade of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5302. Hip Hop and Social Justice for Individual and Community Change.
Contemporary issues of equity and justice are investigated for potential influences on health and well-being. Students will compare professional application of Hip Hop integrated strategies within therapeutic, education, physical health, and afterschool and summer programs. Students will learn the interdisciplinary aspects of community-based strategies to promote equity and justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5303. Spirituality in Social Work Practice.
This course provides an advanced-level framework of knowledge, values, and skills necessary for ethical and effective spiritually-relevant practice. It examines spirituality as an integral component of a strengths-based approach to social work practice with diverse and/or vulnerable clients. It integrates a contemporary global perspective with critical analysis and assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5308. Human Behavior in Individual and Family Social Environments.
This foundation graduate course presents individual and family dynamics across the life cycle, centering on human development, individual and group strengths, and the effects of cultural diversity. It enhances critical thinking and assessment skills about human behavior in social environments, and incorporates material on professional values, ethics, and social justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5309. Human Behavior in Local and Global Social Environments.
This foundation graduate course explores human functioning in the environment by studying families, groups, communities, organizations, and societies in local and global contexts. Through learning content on diversity, populations at risk, and social and economic justice, students build critical thinking and assessment skills using developmental and eco-systems frameworks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5310. Social Welfare Policy and Services.
This foundation course studies the United States' social welfare system, emphasizing how social welfare policies affect diverse populations. Topics include social welfare history; and policy development, implementation, evaluation, and values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5312. Social Work Intervention in Drug Addiction & Abuse.
This course focuses on commonly used and abused drugs as well as the dynamics and treatment of addiction. It emphasizes social work intervention aimed at addiction prevention and treatment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5313. Foundation Social Work Practice I.
This foundation course explores generalist social work theory and practice methodology in problem-solving with individuals, families, and groups, emphasizing data collection, assessment, intervention planning, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5314. Foundation Social Work Practice II.
This foundation skill-development course emphasizes generalist social work practice with task groups, organizations, and communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5315. Social Work Intervention in Child Abuse & Neglect.
This course considers child welfare services available to abused and neglected children in their own homes, in substitute care, and through the community, emphasizing social work intervention with children and their families.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5316. Foundation Social Work Practice III.
This foundation course develops the student's interpersonal and communication skills with clients and other professionals. Students must demonstrate competence in interviewing, assessment, and planning skills. Students learn to collect data to support assessment, plan intervention, and evaluate practice. Prerequisite: SOWK 5313 and SOWK 5314 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5317. Social Work Research.
This foundation course builds introductory scientific research skills in critical thinking and knowledge of program and practice evaluation. It prepares students to read, interpret, and critique research with skepticism and rigor and to perform various research and social work practice activities. Prerequisite: SOWK 5308 and SOWK 5313 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5319. Diagnostic Assessment.
This advanced course examines how individuals, families, and groups interact with the social environment, emphasizing mental health and adaptive capacity, theories of the etiology and development of mental and emotional disorders, and how culture affects mental health. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5320. Advanced Administrative Leadership Practice I: Introduction to Management.
This advanced skill-development course emphasizes social work practice in managing small and large organizations. Students develop knowledge and skills in social work management and supervision in non-profit and public organizations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5322. Advanced Social Policy and Social Justice.
This advanced course, a study of social legislation affecting disadvantaged persons, emphasizes policy analysis, values, and advocacy through studying social policy history; developing, implementing, and evaluating policy; and influencing social and economic justice. Prerequisite: SOWK 5410 or SOWK 5411 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5323. Advanced Social Work Research.
This advanced course builds knowledge and skills for systematically evaluating programs and practice. It enhances effective and ethical social work practice by teaching skills necessary to design, implement, and empirically assess intervention with client and programs. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5324. Advanced Direct Practice with Families.
This advanced course focuses on theories, research, and models of practice with families. It emphasizes a systems orientation to assessment and intervention, and integrates issues of self-awareness and human diversity. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5325. Advanced Administrative Leadership Practice III: Challenges and Innovations.
This advanced course expands knowledge and skills by exploring how theories, supervision and management interventions, and social work values are applied to diverse organizational environments. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5326. MC/MP Advanced Direct Practice with Individuals.
This advanced course examines intervention theories and builds specialized skills for effective, ethical practice with individuals. It examines how culture influences individuals, and discusses how to assess individuals from multiple perspectives. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5327. Advanced Direct Practice with Groups.
This advanced course develops effective, ethical group practice skills, including assessment from multiple perspectives, facilitation of group process and intervention, evaluation, and addressing needs of diverse populations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5328. Interdisciplinary Perspectives on Aging.
This interdisciplinary course provides a graduate-level foundation in knowledge and skills used to address a wide range of needs among the aging population, their families, and support systems. Biophysical, psychosocial, and environmental perspectives will be integrated into development of culturally competent approaches to work with elders in many fields.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5329. Organizational Development.
This advanced course examines organizational and inter-organizational social service delivery contexts; how funding, mandate, and organizational arrangements influence services; and factors to consider in modifying existing organizations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5332. Helping Troops Transition Back to their Families and Communities: The Invisible Wounds of War.
The course examines topics at the individual, family, group, organizational, and community levels related to troops who are returning from current combat operations and their families. It reviews the needs, community resources, and policies in place for helping them and their families make this transition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5339. Selected Topics in Social Work.
Students study relevant social work topics in depth. Topics, such as social work in schools or in health care, are selected according to students' needs and professional trends. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOWK 5360. Directed Study in Social Work.
This one-semester course highlights individualized reading, independent study and projects, and guided instruction. It is offered by invitation of the professor and with the consent of the MSW Coordinator. It may not be repeated for credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5370. Advanced Program Planning and Grant-Based Resource Development.
This advanced course emphasizes social work practice in building and developing non-profit and public human services organizations. Course topics include: determining organizational needs and priorities; identifying resources to address needs and priorities; and pursuing grant-funded resources to address organizational needs. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5371. Advanced Assessment, Leadership, and Supervision in Social Service Organizations.
This advanced course focuses on observational and interview-based evaluations of organizational functioning related to change, diversity, ethical decision-making, budgeting, and implementation of action plans. The course also focuses on development of supervisory strategies to effectively lead and transform an organization. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5372. Advanced Diagnostic Assessment and Intervention with Individuals.
This advanced course focuses on culturally relevant diagnostic assessment of and intervention with individuals based on current theory. The course emphasizes critical analysis of contemporary mental health practice using a psychosocial framework. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5373. Advanced Intervention with Families and Groups.
This advanced course focuses on culturally-relevant knowledge and skills for theory-based, therapeutic assessment and intervention with diverse families and groups. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5378. Advanced Field Practicum 1.
This course is the first part of the advanced MSW field practicum in which students participate in a field seminar course in conjunction with completing field practicum hours at an agency. Field seminar provides the opportunity for students to apply and critically analyze social work knowledge gained in core. Prerequisites: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5379 or SOWK 5979 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5379. Advanced Field Practicum 2.
This course is taken in conjunction with SOWK 5378 as Part I of the advanced/final field practicum courses for part-time students requiring completion of a minimum of 250 hours of internship in a social service agency. This course requires application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5378 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOWK 5410. Foundation Field I (Concurrent).
This foundation course consists of supervised beginning generalist social work practice in agencies for a minimum of 250 clock hours, applying classroom knowledge to work with individuals, families, groups, and communities. Prerequisites: Departmental approval.
4 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5411. Foundation Field II (Concurrent).
This second foundation course continues supervised generalist social work practice in agencies for a minimum of 250 clock hours, applying classroom knowledge to work with individuals, families, groups, and communities. Prerequisites: SOWK 5410 with a grade of "C" or better and departmental approval.
4 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5679. Advanced Field Practicum 2.
This is the second part of the advanced practicum course sequence for part-time students requiring completion of a minimum of 250 hours in a social service agency. This course continues the experiential learning process initiated in SOWK 5379 including application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5378 and SOWK 5379 both with grades of "C" or better and a minimum 3.0 Overall GPA.
6 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOWK 5979. Advanced Field Practicum 2.
This course is taken in conjunction with SOWK 5378 as part of the advanced/final field practicum courses for full-time students requiring completion of a minimum of 250 hours of internship in a social service agency. This course requires application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5378 with a grade of "C" or better.
9 Credit Hours. 0 Lecture Contact Hours. 35 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Social Work (M.S.W.) Major in Advanced Practice Leadership (On Campus Regular Non-BSW Holders Concentration)

Major Program

The School of Social Work offers the Master of Social Work (M.S.W.) degree with a major in Advanced Practice Leadership, which prepares students for advanced specialized practice. The degree is fully accredited by the Council on Social Work Education. Social work practice at the M.S.W. level shares a common core of knowledge, values, and skills. Throughout the curriculum, the School emphasizes social justice and professional ethics. The M.S.W. degree prepares graduates for a wide variety of positions in many diverse, interesting fields that address human needs.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or
- $90 nonrefundable application fee for applications with international credentials
- GRE not required
- departmental application
- resume/CV (maximum two pages)
- statement of purpose
- possible interview
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0
- This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Social Work (M.S.W.) degree with a major in Advanced Practice Leadership requires 62 semester credit hours for non-BSW holders. The first (foundation) year curriculum focuses on the generic foundation knowledge and skills necessary for general social work practice, while the second (advanced) year focuses on specialized practice.

Course Requirements

Code	Title	Hours
Required Courses		
SOWK 5308	Human Behavior in Individual and Family Social Environments	3
SOWK 5309	Human Behavior in Local and Global Social Environments	3
SOWK 5310	Social Welfare Policy and Services	3
SOWK 5313	Foundation Social Work Practice I	3
SOWK 5314	Foundation Social Work Practice II	3
SOWK 5316	Foundation Social Work Practice III	3
SOWK 5317	Social Work Research	3
SOWK 5410	Foundation Field I (Concurrent)	4
SOWK 5411	Foundation Field II (Concurrent)	4
SOWK 5322	Advanced Social Policy and Social Justice	3
SOWK 5323	Advanced Social Work Research	3
SOWK 5370	Advanced Program Planning and Grant-Based Resource Development	3
SOWK 5371	Advanced Assessment, Leadership, and Supervision in Social Service Organizations	3
SOWK 5372	Advanced Diagnostic Assessment and Intervention with Individuals	3
SOWK 5373	Advanced Intervention with Families and Groups	3
SOWK 5378	Advanced Field Practicum 1	3
SOWK 5979	Advanced Field Practicum 2	9
Elective		
Choose 3 hours from the following:		3
SOWK 5302	Hip Hop and Social Justice for Individual and Community Change	
SOWK 5303	Spirituality in Social Work Practice	
SOWK 5312	Social Work Intervention in Drug Addiction & Abuse	
SOWK 5315	Social Work Intervention in Child Abuse & Neglect	
SOWK 5328	Interdisciplinary Perspectives on Aging	
SOWK 5332	Helping Troops Transition Back to their Families and Communities: The Invisible Wounds of War	
SOWK 5300A	Adventure Therapy: Theory, Research & Practice	

SOWK 5300C	School Social Work
SOWK 5300E	Social Work and Health Care
Total Hours	62

Field Practicum

Field practicum (internship) involves the student intern working in a social service agency under the intensive supervision of a licensed master social worker. All regular track students (full- and part-time) must complete a total of 20 semester credit hours of field practicum. Regular track students complete a first-year field practicum while concurrently enrolled in other classes. Part-time students will complete their field courses in two semesters. The first semester students will complete SOWK 5378 and SOWK 5379 SOWK 5379 SOWK 5379. In the second and final semester, part-time students will complete SOWK 5679 SOWK 5679 SOWK 5679.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Social Work: SOWK

Courses Offered

Social Work (SOWK)

SOWK 5300A. Adventure Therapy: Theory, Research & Practice.
This course will examine adventure therapy theory, research, and practice within a social work framework. Students will have the opportunity to engage in research-informed practice and develop skills in adventure therapy group facilitation. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300C. School Social Work.
This course is an advanced analysis and assessment of social services in the school setting, including: educational issues, conceptual framework, policies, and service delivery systems. Special attention is paid to cultural diversity, special populations, parent-school collaboration, community liaison, referral systems, and change. Additionally, this course covers individual and group intervention Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300E. Social Work and Health Care.
This elective course provides a generalist view of social work practice in mental health and public health, considering the social problems that affect health care, and ethical and effective intervention strategies and service delivery systems. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300F. International Social Work.
This course covers advanced theoretical and practical approaches to empowerment, social and economic justice, and human rights. Particular cultures and specific global problems are examined in-depth to promote student acquisition of an international worldview for human global change based on social work values and research-informed practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300G. Ghana: Human Rights and Social Justice Applied.
This graduate course focuses on applied social justice and human rights in a global context from an interdisciplinary standpoint in Ghana. The course involves both experiential and classroom learning with a significant international-based service learning component that intentionally integrates community service, academic learning, and civic learning.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300H. Comparative Social Work Ethics in Canterbury.
This course assists students in expanding an intermediate level of knowledge, values, and skills in the area of ethics in social work. The NASW Code of Ethics (US) and the National Codes of Ethics from the International Federation of Social Workers are used.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300I. Social Work and Social Services in Canterbury.
The purpose of this course is to assist the student in exploring social work processes, social service provision and services to special populations in Canterbury, England. Agency visits or primary research will guide learning.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300J. Introduction to Trauma Informed Care.
This advanced course focuses on culturally relevant knowledge and skills for theory-based, therapeutic assessment and intervention with diverse families and groups. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5411 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300K. Innovative Community Engagement with Vulnerable Populations.
This service-learning, Study-in-America course will require students to identify, examine, and critically analyze social service programs which provide services to vulnerable populations (persons experiencing poverty, homelessness, food insecurity, criminal justice issues, etc). Additional components of the course include travel to and participation in service-learning/volunteer activities in Louisiana.
3 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300M. ADVANCED INTERVENTION WITH INTIMATE PARTNERSHIPS (COUPLES).
This advanced course focuses on culturally relevant knowledge and skills for theory based, therapeutic assessment and intervention with diverse intimate partnerships. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5411 with a grade of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5302. Hip Hop and Social Justice for Individual and Community Change.
Contemporary issues of equity and justice are investigated for potential influences on health and well-being. Students will compare professional application of Hip Hop integrated strategies within therapeutic, education, physical health, and afterschool and summer programs. Students will learn the interdisciplinary aspects of community-based strategies to promote equity and justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5303. Spirituality in Social Work Practice.
This course provides an advanced-level framework of knowledge, values, and skills necessary for ethical and effective spiritually-relevant practice. It examines spirituality as an integral component of a strengths-based approach to social work practice with diverse and/or vulnerable clients. It integrates a contemporary global perspective with critical analysis and assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5308. Human Behavior in Individual and Family Social Environments.
This foundation graduate course presents individual and family dynamics across the life cycle, centering on human development, individual and group strengths, and the effects of cultural diversity. It enhances critical thinking and assessment skills about human behavior in social environments, and incorporates material on professional values, ethics, and social justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5309. Human Behavior in Local and Global Social Environments.
This foundation graduate course explores human functioning in the environment by studying families, groups, communities, organizations, and societies in local and global contexts. Through learning content on diversity, populations at risk, and social and economic justice, students build critical thinking and assessment skills using developmental and eco-systems frameworks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5310. Social Welfare Policy and Services.
This foundation course studies the United States' social welfare system, emphasizing how social welfare policies affect diverse populations. Topics include social welfare history; and policy development, implementation, evaluation, and values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5312. Social Work Intervention in Drug Addiction & Abuse.
This course focuses on commonly used and abused drugs as well as the dynamics and treatment of addiction. It emphasizes social work intervention aimed at addiction prevention and treatment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5313. Foundation Social Work Practice I.
This foundation course explores generalist social work theory and practice methodology in problem-solving with individuals, families, and groups, emphasizing data collection, assessment, intervention planning, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5314. Foundation Social Work Practice II.
This foundation skill-development course emphasizes generalist social work practice with task groups, organizations, and communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5315. Social Work Intervention in Child Abuse & Neglect.
This course considers child welfare services available to abused and neglected children in their own homes, in substitute care, and through the community, emphasizing social work intervention with children and their families.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5316. Foundation Social Work Practice III.
This foundation course develops the student's interpersonal and communication skills with clients and other professionals. Students must demonstrate competence in interviewing, assessment, and planning skills. Students learn to collect data to support assessment, plan intervention, and evaluate practice. Prerequisite: SOWK 5313 and SOWK 5314 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5317. Social Work Research.
This foundation course builds introductory scientific research skills in critical thinking and knowledge of program and practice evaluation. It prepares students to read, interpret, and critique research with skepticism and rigor and to perform various research and social work practice activities. Prerequisite: SOWK 5308 and SOWK 5313 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5319. Diagnostic Assessment.
This advanced course examines how individuals, families, and groups interact with the social environment, emphasizing mental health and adaptive capacity, theories of the etiology and development of mental and emotional disorders, and how culture affects mental health. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5320. Advanced Administrative Leadership Practice I: Introduction to Management.
This advanced skill-development course emphasizes social work practice in managing small and large organizations. Students develop knowledge and skills in social work management and supervision in non-profit and public organizations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5322. Advanced Social Policy and Social Justice.
This advanced course, a study of social legislation affecting disadvantaged persons, emphasizes policy analysis, values, and advocacy through studying social policy history; developing, implementing, and evaluating policy; and influencing social and economic justice. Prerequisite: SOWK 5410 or SOWK 5411 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5323. Advanced Social Work Research.
This advanced course builds knowledge and skills for systematically evaluating programs and practice. It enhances effective and ethical social work practice by teaching skills necessary to design, implement, and empirically assess intervention with client and programs. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5324. Advanced Direct Practice with Families.
This advanced course focuses on theories, research, and models of practice with families. It emphasizes a systems orientation to assessment and intervention, and integrates issues of self-awareness and human diversity. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5325. Advanced Administrative Leadership Practice III: Challenges and Innovations.
This advanced course expands knowledge and skills by exploring how theories, supervision and management interventions, and social work values are applied to diverse organizational environments. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5326. MC/MP Advanced Direct Practice with Individuals.
This advanced course examines intervention theories and builds specialized skills for effective, ethical practice with individuals. It examines how culture influences individuals, and discusses how to assess individuals from multiple perspectives. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5327. Advanced Direct Practice with Groups.
This advanced course develops effective, ethical group practice skills, including assessment from multiple perspectives, facilitation of group process and intervention, evaluation, and addressing needs of diverse populations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5328. Interdisciplinary Perspectives on Aging.
This interdisciplinary course provides a graduate-level foundation in knowledge and skills used to address a wide range of needs among the aging population, their families, and support systems. Biophysical, psychosocial, and environmental perspectives will be integrated into development of culturally competent approaches to work with elders in many fields.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5329. Organizational Development.
This advanced course examines organizational and inter-organizational social service delivery contexts; how funding, mandate, and organizational arrangements influence services; and factors to consider in modifying existing organizations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5332. Helping Troops Transition Back to their Families and Communities: The Invisible Wounds of War.
The course examines topics at the individual, family, group, organizational, and community levels related to troops who are returning from current combat operations and their families. It reviews the needs, community resources, and policies in place for helping them and their families make this transition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5339. Selected Topics in Social Work.
Students study relevant social work topics in depth. Topics, such as social work in schools or in health care, are selected according to students' needs and professional trends. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOWK 5360. Directed Study in Social Work.
This one-semester course highlights individualized reading, independent study and projects, and guided instruction. It is offered by invitation of the professor and with the consent of the MSW Coordinator. It may not be repeated for credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5370. Advanced Program Planning and Grant-Based Resource Development.
This advanced course emphasizes social work practice in building and developing non-profit and public human services organizations. Course topics include: determining organizational needs and priorities; identifying resources to address needs and priorities; and pursuing grant-funded resources to address organizational needs. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5371. Advanced Assessment, Leadership, and Supervision in Social Service Organizations.
This advanced course focuses on observational and interview-based evaluations of organizational functioning related to change, diversity, ethical decision-making, budgeting, and implementation of action plans. The course also focuses on development of supervisory strategies to effectively lead and transform an organization. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5372. Advanced Diagnostic Assessment and Intervention with Individuals.
This advanced course focuses on culturally relevant diagnostic assessment of and intervention with individuals based on current theory. The course emphasizes critical analysis of contemporary mental health practice using a psychosocial framework. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5373. Advanced Intervention with Families and Groups.
This advanced course focuses on culturally-relevant knowledge and skills for theory-based, therapeutic assessment and intervention with diverse families and groups. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5378. Advanced Field Practicum 1.
This course is the first part of the advanced MSW field practicum in which students participate in a field seminar course in conjunction with completing field practicum hours at an agency. Field seminar provides the opportunity for students to apply and critically analyze social work knowledge gained in core. Prerequisites: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5379 or SOWK 5979 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5379. Advanced Field Practicum 2.
This course is taken in conjunction with SOWK 5378 as Part I of the advanced/final field practicum courses for part-time students requiring completion of a minimum of 250 hours of internship in a social service agency. This course requires application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5378 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOWK 5410. Foundation Field I (Concurrent).
This foundation course consists of supervised beginning generalist social work practice in agencies for a minimum of 250 clock hours, applying classroom knowledge to work with individuals, families, groups, and communities. Prerequisites: Departmental approval.
4 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5411. Foundation Field II (Concurrent).
This second foundation course continues supervised generalist social work practice in agencies for a minimum of 250 clock hours, applying classroom knowledge to work with individuals, families, groups, and communities. Prerequisites: SOWK 5410 with a grade of "C" or better and departmental approval.
4 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5679. Advanced Field Practicum 2.
This is the second part of the advanced practicum course sequence for part-time students requiring completion of a minimum of 250 hours in a social service agency. This course continues the experiential learning process initiated in SOWK 5379 including application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5378 and SOWK 5379 both with grades of "C" or better and a minimum 3.0 Overall GPA.
6 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOWK 5979. Advanced Field Practicum 2.
This course is taken in conjunction with SOWK 5378 as part of the advanced/final field practicum courses for full-time students requiring completion of a minimum of 250 hours of internship in a social service agency. This course requires application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5378 with a grade of "C" or better.
9 Credit Hours. 0 Lecture Contact Hours. 35 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Social Work (M.S.W.) Major in Advanced Practice Leadership (Online Advanced BSW Holders Concentration)

Major Program

The School of Social Work offers the Master of Social Work (M.S.W.) degree with a major in Advanced Practice Leadership, which prepares students for advanced specialized practice. The degree is fully accredited by the Council on Social Work Education. Social work practice at the M.S.W. level shares a common core of knowledge, values, and skills. Throughout the curriculum, the School emphasizes social justice and professional ethics. The M.S.W. degree prepares graduates for a wide variety of positions in many diverse, interesting fields that address human needs.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or
- $90 nonrefundable application fee for applications with international credentials
- GRE not required
- departmental application
- resume/CV (maximum two pages)
- statement of purpose
- possible interview
- baccalaureate degree in social work (B.S.W.) with regional and CSWE (Council on Social Work Education) accreditations, earned within the last ten years
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in the last two full academic years of study
- minimum 3.0 GPA in all undergraduate social work courses

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0
- This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Social Work (M.S.W.) degree with a major in Advanced Practice Leadership requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
SOWK 5322	Advanced Social Policy and Social Justice	3
SOWK 5323	Advanced Social Work Research	3
SOWK 5370	Advanced Program Planning and Grant-Based Resource Development	3
SOWK 5371	Advanced Assessment, Leadership, and Supervision in Social Service Organizations	3
SOWK 5372	Advanced Diagnostic Assessment and Intervention with Individuals	3
SOWK 5373	Advanced Intervention with Families and Groups	3
SOWK 5378	Advanced Field Practicum 1	3
SOWK 5979	Advanced Field Practicum 2	9
Electives		
Choose 6 hours from the following:		6
SOWK 5302	Hip Hop and Social Justice for Individual and Community Change	
SOWK 5303	Spirituality in Social Work Practice	
SOWK 5312	Social Work Intervention in Drug Addiction & Abuse	
SOWK 5315	Social Work Intervention in Child Abuse & Neglect	
SOWK 5328	Interdisciplinary Perspectives on Aging	
SOWK 5332	Helping Troops Transition Back to their Families and Communities: The Invisible Wounds of War	
SOWK 5300A	Adventure Therapy: Theory, Research & Practice	
SOWK 5300C	School Social Work	
SOWK 5300E	Social Work and Health Care	
Total Hours		36

Field Practicum

Field practicum (internship) involves the student intern working in a social service agency under the intensive supervision of a licensed master social worker. Advanced standing students must complete a total of 12 semester credit hours of field practicum. In the second year, full-time advanced standing students, field practicum occurs during the spring term. Part-time students will complete their field courses in two semesters. The first semester students will complete SOWK 5378 and SOWK 5379. In the second and final semester, part-time students will complete SOWK 5679.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Social Work: SOWK

Courses Offered

Social Work (SOWK)

SOWK 5300A. Adventure Therapy: Theory, Research & Practice.
This course will examine adventure therapy theory, research, and practice within a social work framework. Students will have the opportunity to engage in research-informed practice and develop skills in adventure therapy group facilitation. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300C. School Social Work.
This course is an advanced analysis and assessment of social services in the school setting, including: educational issues, conceptual framework, policies, and service delivery systems. Special attention is paid to cultural diversity, special populations, parent-school collaboration, community liaison, referral systems, and change. Additionally, this course covers individual and group intervention Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300E. Social Work and Health Care.
This elective course provides a generalist view of social work practice in mental health and public health, considering the social problems that affect health care, and ethical and effective intervention strategies and service delivery systems. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300F. International Social Work.
This course covers advanced theoretical and practical approaches to empowerment, social and economic justice, and human rights. Particular cultures and specific global problems are examined in-depth to promote student acquisition of an international worldview for human global change based on social work values and research-informed practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300G. Ghana: Human Rights and Social Justice Applied.
This graduate course focuses on applied social justice and human rights in a global context from an interdisciplinary standpoint in Ghana. The course involves both experiential and classroom learning with a significant international-based service learning component that intentionally integrates community service, academic learning, and civic learning.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300H. Comparative Social Work Ethics in Canterbury.
This course assists students in expanding an intermediate level of knowledge, values, and skills in the area of ethics in social work. The NASW Code of Ethics (US) and the National Codes of Ethics from the International Federation of Social Workers are used.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300I. Social Work and Social Services in Canterbury.
The purpose of this course is to assist the student in exploring social work processes, social service provision and services to special populations in Canterbury, England. Agency visits or primary research will guide learning.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300J. Introduction to Trauma Informed Care.
This advanced course focuses on culturally relevant knowledge and skills for theory-based, therapeutic assessment and intervention with diverse families and groups. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5411 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300K. Innovative Community Engagement with Vulnerable Populations.
This service-learning, Study-in-America course will require students to identify, examine, and critically analyze social service programs which provide services to vulnerable populations (persons experiencing poverty, homelessness, food insecurity, criminal justice issues, etc). Additional components of the course include travel to and participation in service-learning/volunteer activities in Louisiana.
3 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300M. ADVANCED INTERVENTION WITH INTIMATE PARTNERSHIPS (COUPLES).
This advanced course focuses on culturally relevant knowledge and skills for theory based, therapeutic assessment and intervention with diverse intimate partnerships. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5411 with a grade of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5302. Hip Hop and Social Justice for Individual and Community Change.
Contemporary issues of equity and justice are investigated for potential influences on health and well-being. Students will compare professional application of Hip Hop integrated strategies within therapeutic, education, physical health, and afterschool and summer programs. Students will learn the interdisciplinary aspects of community-based strategies to promote equity and justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5303. Spirituality in Social Work Practice.
This course provides an advanced-level framework of knowledge, values, and skills necessary for ethical and effective spiritually-relevant practice. It examines spirituality as an integral component of a strengths-based approach to social work practice with diverse and/or vulnerable clients. It integrates a contemporary global perspective with critical analysis and assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5308. Human Behavior in Individual and Family Social Environments.
This foundation graduate course presents individual and family dynamics across the life cycle, centering on human development, individual and group strengths, and the effects of cultural diversity. It enhances critical thinking and assessment skills about human behavior in social environments, and incorporates material on professional values, ethics, and social justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5309. Human Behavior in Local and Global Social Environments.
This foundation graduate course explores human functioning in the environment by studying families, groups, communities, organizations, and societies in local and global contexts. Through learning content on diversity, populations at risk, and social and economic justice, students build critical thinking and assessment skills using developmental and eco-systems frameworks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5310. Social Welfare Policy and Services.
This foundation course studies the United States' social welfare system, emphasizing how social welfare policies affect diverse populations. Topics include social welfare history; and policy development, implementation, evaluation, and values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5312. Social Work Intervention in Drug Addiction & Abuse.
This course focuses on commonly used and abused drugs as well as the dynamics and treatment of addiction. It emphasizes social work intervention aimed at addiction prevention and treatment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5313. Foundation Social Work Practice I.
This foundation course explores generalist social work theory and practice methodology in problem-solving with individuals, families, and groups, emphasizing data collection, assessment, intervention planning, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5314. Foundation Social Work Practice II.
This foundation skill-development course emphasizes generalist social work practice with task groups, organizations, and communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5315. Social Work Intervention in Child Abuse & Neglect.
This course considers child welfare services available to abused and neglected children in their own homes, in substitute care, and through the community, emphasizing social work intervention with children and their families.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5316. Foundation Social Work Practice III.
This foundation course develops the student's interpersonal and communication skills with clients and other professionals. Students must demonstrate competence in interviewing, assessment, and planning skills. Students learn to collect data to support assessment, plan intervention, and evaluate practice. Prerequisite: SOWK 5313 and SOWK 5314 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5317. Social Work Research.
This foundation course builds introductory scientific research skills in critical thinking and knowledge of program and practice evaluation. It prepares students to read, interpret, and critique research with skepticism and rigor and to perform various research and social work practice activities. Prerequisite: SOWK 5308 and SOWK 5313 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5319. Diagnostic Assessment.
This advanced course examines how individuals, families, and groups interact with the social environment, emphasizing mental health and adaptive capacity, theories of the etiology and development of mental and emotional disorders, and how culture affects mental health. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5320. Advanced Administrative Leadership Practice I: Introduction to Management.
This advanced skill-development course emphasizes social work practice in managing small and large organizations. Students develop knowledge and skills in social work management and supervision in non-profit and public organizations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5322. Advanced Social Policy and Social Justice.
This advanced course, a study of social legislation affecting disadvantaged persons, emphasizes policy analysis, values, and advocacy through studying social policy history; developing, implementing, and evaluating policy; and influencing social and economic justice. Prerequisite: SOWK 5410 or SOWK 5411 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5323. Advanced Social Work Research.
This advanced course builds knowledge and skills for systematically evaluating programs and practice. It enhances effective and ethical social work practice by teaching skills necessary to design, implement, and empirically assess intervention with client and programs. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5324. Advanced Direct Practice with Families.
This advanced course focuses on theories, research, and models of practice with families. It emphasizes a systems orientation to assessment and intervention, and integrates issues of self-awareness and human diversity. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5325. Advanced Administrative Leadership Practice III: Challenges and Innovations.
This advanced course expands knowledge and skills by exploring how theories, supervision and management interventions, and social work values are applied to diverse organizational environments. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5326. MC/MP Advanced Direct Practice with Individuals.
This advanced course examines intervention theories and builds specialized skills for effective, ethical practice with individuals. It examines how culture influences individuals, and discusses how to assess individuals from multiple perspectives. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5327. Advanced Direct Practice with Groups.
This advanced course develops effective, ethical group practice skills, including assessment from multiple perspectives, facilitation of group process and intervention, evaluation, and addressing needs of diverse populations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5328. Interdisciplinary Perspectives on Aging.
This interdisciplinary course provides a graduate-level foundation in knowledge and skills used to address a wide range of needs among the aging population, their families, and support systems. Biophysical, psychosocial, and environmental perspectives will be integrated into development of culturally competent approaches to work with elders in many fields.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5329. Organizational Development.
This advanced course examines organizational and inter-organizational social service delivery contexts; how funding, mandate, and organizational arrangements influence services; and factors to consider in modifying existing organizations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5332. Helping Troops Transition Back to their Families and Communities: The Invisible Wounds of War.
The course examines topics at the individual, family, group, organizational, and community levels related to troops who are returning from current combat operations and their families. It reviews the needs, community resources, and policies in place for helping them and their families make this transition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5339. Selected Topics in Social Work.
Students study relevant social work topics in depth. Topics, such as social work in schools or in health care, are selected according to students' needs and professional trends. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOWK 5360. Directed Study in Social Work.
This one-semester course highlights individualized reading, independent study and projects, and guided instruction. It is offered by invitation of the professor and with the consent of the MSW Coordinator. It may not be repeated for credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5370. Advanced Program Planning and Grant-Based Resource Development.
This advanced course emphasizes social work practice in building and developing non-profit and public human services organizations. Course topics include: determining organizational needs and priorities; identifying resources to address needs and priorities; and pursuing grant-funded resources to address organizational needs. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5371. Advanced Assessment, Leadership, and Supervision in Social Service Organizations.
This advanced course focuses on observational and interview-based evaluations of organizational functioning related to change, diversity, ethical decision-making, budgeting, and implementation of action plans. The course also focuses on development of supervisory strategies to effectively lead and transform an organization. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5372. Advanced Diagnostic Assessment and Intervention with Individuals.
This advanced course focuses on culturally relevant diagnostic assessment of and intervention with individuals based on current theory. The course emphasizes critical analysis of contemporary mental health practice using a psychosocial framework. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5373. Advanced Intervention with Families and Groups.
This advanced course focuses on culturally-relevant knowledge and skills for theory-based, therapeutic assessment and intervention with diverse families and groups. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5378. Advanced Field Practicum 1.
This course is the first part of the advanced MSW field practicum in which students participate in a field seminar course in conjunction with completing field practicum hours at an agency. Field seminar provides the opportunity for students to apply and critically analyze social work knowledge gained in core. Prerequisites: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5379 or SOWK 5979 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5379. Advanced Field Practicum 2.
This course is taken in conjunction with SOWK 5378 as Part I of the advanced/final field practicum courses for part-time students requiring completion of a minimum of 250 hours of internship in a social service agency. This course requires application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5378 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOWK 5410. Foundation Field I (Concurrent).
This foundation course consists of supervised beginning generalist social work practice in agencies for a minimum of 250 clock hours, applying classroom knowledge to work with individuals, families, groups, and communities. Prerequisites: Departmental approval.
4 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5411. Foundation Field II (Concurrent).
This second foundation course continues supervised generalist social work practice in agencies for a minimum of 250 clock hours, applying classroom knowledge to work with individuals, families, groups, and communities. Prerequisites: SOWK 5410 with a grade of "C" or better and departmental approval.
4 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5679. Advanced Field Practicum 2.
This is the second part of the advanced practicum course sequence for part-time students requiring completion of a minimum of 250 hours in a social service agency. This course continues the experiential learning process initiated in SOWK 5379 including application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5378 and SOWK 5379 both with grades of "C" or better and a minimum 3.0 Overall GPA.
6 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOWK 5979. Advanced Field Practicum 2.
This course is taken in conjunction with SOWK 5378 as part of the advanced/final field practicum courses for full-time students requiring completion of a minimum of 250 hours of internship in a social service agency. This course requires application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5378 with a grade of "C" or better.
9 Credit Hours. 0 Lecture Contact Hours. 35 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Social Work (M.S.W.) Major in Advanced Practice Leadership (Online Regular Non-BSW Holders Concentration)

Major Program

The School of Social Work offers the Master of Social Work (M.S.W.) degree with a major in Advanced Practice Leadership, which prepares students for advanced specialized practice. The degree is fully accredited by the Council on Social Work Education. Social work practice at the M.S.W. level shares a common core of knowledge, values, and skills. Throughout the curriculum, the School emphasizes social justice and professional ethics. The M.S.W. degree prepares graduates for a wide variety of positions in many diverse, interesting fields that address human needs.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- GRE not required
- departmental application
- resume/CV (maximum two pages)
- statement of purpose
- possible interview
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0
- This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Social Work (M.S.W.) degree with a major in Advanced Practice Leadership requires 62 semester credit hours for non-BSW holders. The first (foundation) year curriculum focuses on the generic foundation knowledge and skills necessary for general social work practice, while the second (advanced) year focuses on specialized practice.

Course Requirements

Code	Title	Hours
Required Courses		
SOWK 5308	Human Behavior in Individual and Family Social Environments	3
SOWK 5309	Human Behavior in Local and Global Social Environments	3
SOWK 5310	Social Welfare Policy and Services	3
SOWK 5313	Foundation Social Work Practice I	3
SOWK 5314	Foundation Social Work Practice II	3
SOWK 5316	Foundation Social Work Practice III	3
SOWK 5317	Social Work Research	3
SOWK 5410	Foundation Field I (Concurrent)	4
SOWK 5411	Foundation Field II (Concurrent)	4
SOWK 5322	Advanced Social Policy and Social Justice	3
SOWK 5323	Advanced Social Work Research	3
SOWK 5370	Advanced Program Planning and Grant-Based Resource Development	3
SOWK 5371	Advanced Assessment, Leadership, and Supervision in Social Service Organizations	3
SOWK 5372	Advanced Diagnostic Assessment and Intervention with Individuals	3
SOWK 5373	Advanced Intervention with Families and Groups	3
SOWK 5378	Advanced Field Practicum 1	3
SOWK 5979	Advanced Field Practicum 2	9
Elective		
Choose 3 hours from the following:		3
SOWK 5302	Hip Hop and Social Justice for Individual and Community Change	
SOWK 5303	Spirituality in Social Work Practice	
SOWK 5312	Social Work Intervention in Drug Addiction & Abuse	
SOWK 5315	Social Work Intervention in Child Abuse & Neglect	
SOWK 5328	Interdisciplinary Perspectives on Aging	
SOWK 5332	Helping Troops Transition Back to their Families and Communities: The Invisible Wounds of War	
SOWK 5300A	Adventure Therapy: Theory, Research & Practice	
SOWK 5300C	School Social Work	
SOWK 5300E	Social Work and Health Care	
Total Hours		62

Field Practicum

Field practicum (internship) involves the student intern working in a social service agency under the intensive supervision of a licensed master social worker. All regular track students (full- and part-time) must complete a total of 20 semester credit hours of field practicum. Regular track students complete a first-year field practicum while concurrently enrolled in other classes. Part-time students will complete their field courses in two semesters. The first semester students will complete SOWK 5378 and SOWK 5379. In the second and final semester, part-time students will complete SOWK 5679

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Social Work: SOWK

Courses Offered

Social Work (SOWK)

SOWK 5300A. Adventure Therapy: Theory, Research & Practice.
This course will examine adventure therapy theory, research, and practice within a social work framework. Students will have the opportunity to engage in research-informed practice and develop skills in adventure therapy group facilitation. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300C. School Social Work.
This course is an advanced analysis and assessment of social services in the school setting, including: educational issues, conceptual framework, policies, and service delivery systems. Special attention is paid to cultural diversity, special populations, parent-school collaboration, community liaison, referral systems, and change. Additionally, this course covers individual and group intervention Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300E. Social Work and Health Care.
This elective course provides a generalist view of social work practice in mental health and public health, considering the social problems that affect health care, and ethical and effective intervention strategies and service delivery systems. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300F. International Social Work.
This course covers advanced theoretical and practical approaches to empowerment, social and economic justice, and human rights. Particular cultures and specific global problems are examined in-depth to promote student acquisition of an international worldview for human global change based on social work values and research-informed practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300G. Ghana: Human Rights and Social Justice Applied.
This graduate course focuses on applied social justice and human rights in a global context from an interdisciplinary standpoint in Ghana. The course involves both experiential and classroom learning with a significant international-based service learning component that intentionally integrates community service, academic learning, and civic learning.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300H. Comparative Social Work Ethics in Canterbury.
This course assists students in expanding an intermediate level of knowledge, values, and skills in the area of ethics in social work. The NASW Code of Ethics (US) and the National Codes of Ethics from the International Federation of Social Workers are used.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300I. Social Work and Social Services in Canterbury.
The purpose of this course is to assist the student in exploring social work processes, social service provision and services to special populations in Canterbury, England. Agency visits or primary research will guide learning.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300J. Introduction to Trauma Informed Care.
This advanced course focuses on culturally relevant knowledge and skills for theory-based, therapeutic assessment and intervention with diverse families and groups. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5411 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300K. Innovative Community Engagement with Vulnerable Populations.
This service-learning, Study-in-America course will require students to identify, examine, and critically analyze social service programs which provide services to vulnerable populations (persons experiencing poverty, homelessness, food insecurity, criminal justice issues, etc). Additional components of the course include travel to and participation in service-learning/volunteer activities in Louisiana.
3 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300M. ADVANCED INTERVENTION WITH INTIMATE PARTNERSHIPS (COUPLES).
This advanced course focuses on culturally relevant knowledge and skills for theory based, therapeutic assessment and intervention with diverse intimate partnerships. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5411 with a grade of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5302. Hip Hop and Social Justice for Individual and Community Change.
Contemporary issues of equity and justice are investigated for potential influences on health and well-being. Students will compare professional application of Hip Hop integrated strategies within therapeutic, education, physical health, and afterschool and summer programs. Students will learn the interdisciplinary aspects of community-based strategies to promote equity and justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5303. Spirituality in Social Work Practice.
This course provides an advanced-level framework of knowledge, values, and skills necessary for ethical and effective spiritually-relevant practice. It examines spirituality as an integral component of a strengths-based approach to social work practice with diverse and/or vulnerable clients. It integrates a contemporary global perspective with critical analysis and assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5308. Human Behavior in Individual and Family Social Environments.
This foundation graduate course presents individual and family dynamics across the life cycle, centering on human development, individual and group strengths, and the effects of cultural diversity. It enhances critical thinking and assessment skills about human behavior in social environments, and incorporates material on professional values, ethics, and social justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5309. Human Behavior in Local and Global Social Environments.
This foundation graduate course explores human functioning in the environment by studying families, groups, communities, organizations, and societies in local and global contexts. Through learning content on diversity, populations at risk, and social and economic justice, students build critical thinking and assessment skills using developmental and eco-systems frameworks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5310. Social Welfare Policy and Services.
This foundation course studies the United States' social welfare system, emphasizing how social welfare policies affect diverse populations. Topics include social welfare history; and policy development, implementation, evaluation, and values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5312. Social Work Intervention in Drug Addiction & Abuse.
This course focuses on commonly used and abused drugs as well as the dynamics and treatment of addiction. It emphasizes social work intervention aimed at addiction prevention and treatment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5313. Foundation Social Work Practice I.
This foundation course explores generalist social work theory and practice methodology in problem-solving with individuals, families, and groups, emphasizing data collection, assessment, intervention planning, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5314. Foundation Social Work Practice II.
This foundation skill-development course emphasizes generalist social work practice with task groups, organizations, and communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5315. Social Work Intervention in Child Abuse & Neglect.
This course considers child welfare services available to abused and neglected children in their own homes, in substitute care, and through the community, emphasizing social work intervention with children and their families.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5316. Foundation Social Work Practice III.
This foundation course develops the student's interpersonal and communication skills with clients and other professionals. Students must demonstrate competence in interviewing, assessment, and planning skills. Students learn to collect data to support assessment, plan intervention, and evaluate practice. Prerequisite: SOWK 5313 and SOWK 5314 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5317. Social Work Research.
This foundation course builds introductory scientific research skills in critical thinking and knowledge of program and practice evaluation. It prepares students to read, interpret, and critique research with skepticism and rigor and to perform various research and social work practice activities. Prerequisite: SOWK 5308 and SOWK 5313 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5319. Diagnostic Assessment.
This advanced course examines how individuals, families, and groups interact with the social environment, emphasizing mental health and adaptive capacity, theories of the etiology and development of mental and emotional disorders, and how culture affects mental health. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5320. Advanced Administrative Leadership Practice I: Introduction to Management.
This advanced skill-development course emphasizes social work practice in managing small and large organizations. Students develop knowledge and skills in social work management and supervision in non-profit and public organizations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5322. Advanced Social Policy and Social Justice.
This advanced course, a study of social legislation affecting disadvantaged persons, emphasizes policy analysis, values, and advocacy through studying social policy history; developing, implementing, and evaluating policy; and influencing social and economic justice. Prerequisite: SOWK 5410 or SOWK 5411 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5323. Advanced Social Work Research.
This advanced course builds knowledge and skills for systematically evaluating programs and practice. It enhances effective and ethical social work practice by teaching skills necessary to design, implement, and empirically assess intervention with client and programs. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5324. Advanced Direct Practice with Families.
This advanced course focuses on theories, research, and models of practice with families. It emphasizes a systems orientation to assessment and intervention, and integrates issues of self-awareness and human diversity. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5325. Advanced Administrative Leadership Practice III: Challenges and Innovations.
This advanced course expands knowledge and skills by exploring how theories, supervision and management interventions, and social work values are applied to diverse organizational environments. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5326. MC/MP Advanced Direct Practice with Individuals.
This advanced course examines intervention theories and builds specialized skills for effective, ethical practice with individuals. It examines how culture influences individuals, and discusses how to assess individuals from multiple perspectives. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5327. Advanced Direct Practice with Groups.
This advanced course develops effective, ethical group practice skills, including assessment from multiple perspectives, facilitation of group process and intervention, evaluation, and addressing needs of diverse populations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5328. Interdisciplinary Perspectives on Aging.
This interdisciplinary course provides a graduate-level foundation in knowledge and skills used to address a wide range of needs among the aging population, their families, and support systems. Biophysical, psychosocial, and environmental perspectives will be integrated into development of culturally competent approaches to work with elders in many fields.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5329. Organizational Development.
This advanced course examines organizational and inter-organizational social service delivery contexts; how funding, mandate, and organizational arrangements influence services; and factors to consider in modifying existing organizations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5332. Helping Troops Transition Back to their Families and Communities: The Invisible Wounds of War.
The course examines topics at the individual, family, group, organizational, and community levels related to troops who are returning from current combat operations and their families. It reviews the needs, community resources, and policies in place for helping them and their families make this transition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5339. Selected Topics in Social Work.
Students study relevant social work topics in depth. Topics, such as social work in schools or in health care, are selected according to students' needs and professional trends. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOWK 5360. Directed Study in Social Work.
This one-semester course highlights individualized reading, independent study and projects, and guided instruction. It is offered by invitation of the professor and with the consent of the MSW Coordinator. It may not be repeated for credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5370. Advanced Program Planning and Grant-Based Resource Development.
This advanced course emphasizes social work practice in building and developing non-profit and public human services organizations. Course topics include: determining organizational needs and priorities; identifying resources to address needs and priorities; and pursuing grant-funded resources to address organizational needs. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5371. Advanced Assessment, Leadership, and Supervision in Social Service Organizations.
This advanced course focuses on observational and interview-based evaluations of organizational functioning related to change, diversity, ethical decision-making, budgeting, and implementation of action plans. The course also focuses on development of supervisory strategies to effectively lead and transform an organization. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5372. Advanced Diagnostic Assessment and Intervention with Individuals.
This advanced course focuses on culturally relevant diagnostic assessment of and intervention with individuals based on current theory. The course emphasizes critical analysis of contemporary mental health practice using a psychosocial framework. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5373. Advanced Intervention with Families and Groups.
This advanced course focuses on culturally-relevant knowledge and skills for theory-based, therapeutic assessment and intervention with diverse families and groups. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5378. Advanced Field Practicum 1.
This course is the first part of the advanced MSW field practicum in which students participate in a field seminar course in conjunction with completing field practicum hours at an agency. Field seminar provides the opportunity for students to apply and critically analyze social work knowledge gained in core. Prerequisites: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5379 or SOWK 5979 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5379. Advanced Field Practicum 2.
This course is taken in conjunction with SOWK 5378 as Part I of the advanced/final field practicum courses for part-time students requiring completion of a minimum of 250 hours of internship in a social service agency. This course requires application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5378 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOWK 5410. Foundation Field I (Concurrent).
This foundation course consists of supervised beginning generalist social work practice in agencies for a minimum of 250 clock hours, applying classroom knowledge to work with individuals, families, groups, and communities. Prerequisites: Departmental approval.
4 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5411. Foundation Field II (Concurrent).
This second foundation course continues supervised generalist social work practice in agencies for a minimum of 250 clock hours, applying classroom knowledge to work with individuals, families, groups, and communities. Prerequisites: SOWK 5410 with a grade of "C" or better and departmental approval.
4 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5679. Advanced Field Practicum 2.
This is the second part of the advanced practicum course sequence for part-time students requiring completion of a minimum of 250 hours in a social service agency. This course continues the experiential learning process initiated in SOWK 5379 including application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5378 and SOWK 5379 both with grades of "C" or better and a minimum 3.0 Overall GPA.
6 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOWK 5979. Advanced Field Practicum 2.
This course is taken in conjunction with SOWK 5378 as part of the advanced/final field practicum courses for full-time students requiring completion of a minimum of 250 hours of internship in a social service agency. This course requires application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5378 with a grade of "C" or better.
9 Credit Hours. 0 Lecture Contact Hours. 35 Lab Contact Hours.
Grade Mode: Credit/No Credit

Emmett and Miriam McCoy College of Business Administration

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Computer Information Systems and Quantitative Methods–Ju Long, Ph.D.

Finance and Economics–Ruby P. Kishan, Ph.D.
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Marketing–Enrique P. Becerra, Ph.D., Interim

Named on February 27, 2004 in honor of the generous support of Mr. and Mrs. Emmett McCoy, Texas State's Emmett and Miriam McCoy College of Business Administration provides broad-based undergraduate and master's-level educational programs that produce graduates with the values, knowledge, and skills to help them excel in a diverse, globally-competitive environment.

The McCoy College of Business Administration is dedicated to developing the knowledge and skills that prepare graduate students to take on key management roles in today's complex and dynamic global business environment. The McCoy College challenges graduate students intellectually, develops their powers of critical thinking, and prepares them for leadership roles in their professional and civic lives.

Master of Business Administration

- Major in Business Administration (General Flex Non-thesis Option) (p. 842)
- Major in Business Administration (General Flex Thesis Option) (p. 855)
- Major in Business Administration (Flex Computer Information Systems Concentration) (p. 869)
- Major in Business Administration (Flex Engineering Technology Concentration) (p. 883)
- Major in Business Administration (Flex Health Administration Concentration) (p. 898)
- Major in Business Administration (Flex Human Resources Management Concentration) (p. 912)
- Major in Business Administration (Flex International Business Concentration) (p. 926)
- Major in Business Administration (Flex Supply Chain Management Concentration) (p. 940)
- Major in Business Administration (Full-Time Cohort) (p. 955)

Master of Business Administration (M.B.A) Major in Business Administration (General Flex Non-thesis Option)

Program Overview

The Master of Business Administration (M.B.A.) degree with a major in Business Administration program in the McCoy College emphasizes the knowledge and tools needed for professional success and is designed for those individuals who expect to pursue careers in the management of organizations in either the public or private sector. The curriculum provides broad-based, generalized education with the flexibility to meet individual needs. Students may choose an optional concentration in one of five areas of study in a flexible format or select a full-time cohort program. The entire Flex M.B.A. programs can be completed at either the San Marcos or Round Rock campus while the Full-Time Cohort program is available exclusively at the San Marcos campus.

Students in the Flex M.B.A. program with a **Computer Information Systems Concentration** learn how technology has changed the way business operates and how to harness the power of technology in various business management settings.

The Flex M.B.A. with an **Engineering Technology Concentration** is offered in cooperation with the Department of Engineering Technology, an academic division of the College of Science and Engineering. M.B.A. students pursuing the Engineering Technology Concentration should find enhanced career opportunities with companies oriented significantly toward manufacturing.

Students interested in careers related to international business may choose to seek the Flex M.B.A. degree with an **International Business Concentration**. This program is designed to provide focused study in international business including cultural, historical, and political issues. While this program is available to all students in the M.B.A. program, it is especially well suited for undergraduate students in the international studies undergraduate program.

If a student's interest is the healthcare industry, the Flex M.B.A. with a **Healthcare Administration Concentration** may be for them. Offered jointly with the College of Health Professions, the program combines academic content from both colleges to prepare students for a successful career in healthcare.

For those interested in the field of human resources, a Flex M.B.A. with a **Human Resource Management Concentration** is available. This program provides information on organizational change, staffing, compensation and benefits, and international HR.

The **Full-Time Cohort** M.B.A. is offered exclusively at the San Marcos campus. In addition to the core courses, students must complete an internship and study abroad experience in a specific semester as outlined for each cohort group.

Each of the above programs require completing course work from three sets of courses:

- Courses in the first set constitute Tier 1 core courses. They are designed to give students a strong foundation in business as well as begin intensive professional development. These courses must be completed for any of the M.B.A. options selected.
- The second set of courses are the Tier 2 core courses. The purpose of the Tier 2 core courses is to ensure that all students completing a program of study have a common academic experience in all areas critical to success in a discipline. While all M.B.A. options require a similar set of Tier 2 core courses, there are some exceptions noted on the Requirements tab.
- The third set of courses for the M.B.A. options is the elective courses. In addition to the required Tier 1 and Tier 2 core courses for each M.B.A. option, the degree candidate is allowed to select a group of courses from an approved set of electives. The exact number of elective courses varies between degree options. Course requirements for each M.B.A. option are described on the Requirements tab.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the

International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- responses to specific essay questions
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two letters of recommendation from persons best able to assess the student's ability to succeed in graduate school
- official GMAT or GRE (general test only) with competitive scores. An applicant may select the Conditional Start Option. Under this option, an applicant may be considered for conditional admission if they choose not to supply a GMAT/GRE score. Applicants must meet all other admission requirements. Applicants admitted under the Conditional Start Option must earn a 'B' or better in each of the first nine hours of the program and are not eligible for graduate assistantships or scholarship/fellowships until the condition is met. If the condition is not met, the student is suspended from the program.

TOEFL or IELTS Scores

- Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Business Administration (M.B.A.) degree with a major in Business Administration requires 36 semester credit hours.

B A 5351 should be taken in the first semester, and MGT 5313 should be taken in the last term because it serves as the capstone course that includes the comprehensive examination.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
B A 5100	Business Professional Development Seminar (Taken three times in different terms)	3
B A 5351	Organizational Performance and Competitive Advantage	3
B A 5352	Developing the Financial Perspective of the Firm	3
ACC 5361	Accounting Analysis for Managerial Decision Making	3
ECO 5316	Managerial Economics	3
MGT 5313	Strategic Management	3
MGT 5314	Organizational Behavior and Theory	3
MGT 5321	Supply Chain Management	3
MKT 5321	Marketing Management	3
QMST 5334	Statistical Methods for Business	3
Electives		
Choose 6 hours of advisor-approved electives. [1]		6
Total Hours		36

[1] Electives are available in accounting, business law, computer information systems, economics, finance, management, marketing, quantitative methods, and disciplines outside the field of business. A maximum of three elective hours may be taken outside of business, but the courses must be approved by the graduate advisor **before the student enrolls** in the course.

Comprehensive Examination Requirement

The comprehensive examination consists of a consulting project with companies in the community. The exam is a written paper and oral presentation at the end of the semester, associated with capstone course MGT 5313. If the student fails, they must retake the capstone course, MGT 5313, the following term.

Students who do not successfully complete the requirements for the degree within the timelines specified will be dismissed from the program.

Master's level courses in Business Administration: ACC (p. 844), B A (p.), BLAW (p.), CIS (p.), ECO (p. 849), FIN (p. 849), MGT (p. 850), MKT (p. 852), QMST (p.)

Courses Offered

Students must complete the appropriate background course or its equivalent before enrolling in elective courses.

Accounting (ACC)

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor's judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual's employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Business Administration (B A)

B A 5351. Organizational Performance and Competitive Advantage.
This course is designed to provide an integrative understanding of the firm. A variety of organizational models and perspectives will be incorporated to facilitate understanding of the complexities of the firm, its environments, and its relationships with stakeholders. Includes focus on case analysis issues and communication skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5352. Developing the Financial Perspective of the Firm.
Development of the theoretical basis and presentation of accounting and finance. Topics include understanding the basic elements of financial statements, the use of accounting information in decision making, and the techniques for the acquisition and management of the firm's financial resources. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5353. Understanding and Analyzing Organizational Problems.
An introduction to the concepts of economic theory and optimization, with an emphasis on developing skills in data and economic analysis to solve business problems. Coverage includes prices, costs, market structures, macroeconomic policies, and optimization. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5368A. MBA Full Time Cohort International Experience.
This course will focus on developing an understanding and analysis of issues related to business challenges in another country. Students will gain first-hand experience with the business practices, culture and economy of another country. Corequisite: MGT 5313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

B A 5396. Internship in Business Administration.
This course is based on experiential learning while the student works in business administration. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 5398. Independent Study in Business Administration.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in business administration and work independently on a specialized project. Course may be repeated with approval of associate dean for graduate programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Business Law (BLAW)

BLAW 5310. The Employment Relationship.
A study of trends in the rapidly evolving "law of workplace," with emphasis on how lawmakers attempt to balance the rights and responsibilities of employers and workers. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5333. Legal Issues of Sustainability and Responsibility.
Diverse frameworks and analytical methods underlying our understanding of sustainability are explored, including the legal aspects & impact on business, society, environment and economy. Topics include corporate governance, globalization, urbanization, energy, human population, food, natural resources, water and equity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5364. Commercial Law.
A traditional business law course which examines sales, negotiable instruments, creditor's rights and remedies, secured transactions, bankruptcy law, personal property, bailments, real property and landlord-tenant relationships. Prerequisite: BLAW 2361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5368B. Law and Ethics in the Business Environment.
An examination of the ethical dimensions of management decision-making. Problems are viewed through the lens of a value system determined, in part, by the legal system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368D. Business Dispute Administration.
Course describes civil and religious law systems, both in the U.S. and abroad, alternative dispute resolution programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368E. Environmental Law and Policy.
Course attempts to integrate the study of environmental law w/ concepts from other disciplines necessary to an assessment of the law, primarily economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368F. Business Law for Entrepreneurs.
Course explores steps that an entrepreneur who is contemplating leaving an employer can take to make the departure amicable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368G. Legal Issues in International Business.
This course examines legal issues relevant to international business transactions, emphasizing international trade, licensing of intellectual property, and foreign direct investment. Environmental, dispute resolution, labor, e-commerce, marketing, and ethical issues will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BLAW 5368I. International Business Ethics.
This course examines the legal and ethical challenges inherent in international marketing, international environmental and energy practices, international labor and employment practices, trade negotiations, foreign direct investment, intellectual property licensing, technology development, data collection mining, corporate tax inversion, and global corporate social responsibility. Students will also discuss the individual behavioral, organizational, and cultural factors that influence ethical and unethical business decisions in the global business environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Computer Information Systems (CIS)

CIS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5318. Information Technology in the Digital Economy.
Provides an understanding of the issues involved in the strategic management of the information assets of organizations. Examines the issues and challenges that users face within the Information Technology (IT) management arena as part of a firm's business and IT strategy. Focus is on managerial rather than technical issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5355. Database Management Systems.
Explores the concepts, principles, issues and techniques for managing corporate data resources using database management systems. The course includes techniques for analysis, design and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating database management software. Students will use a relational database management system to develop a management information system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5356. Business Telecommunications.
Explores the technology that is revolutionizing the manner in which business and government conduct their operations and the effects new developments in communication media have on computing systems. This course reflects the current state-of-the-art in data communication networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5357. Computing for Data Analytics.
This course focuses on fundamentals of programming. Students will learn to design and implement applications, and programmatically handle a variety of data management functionalities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5358. Agile Project Management For Business Professionals.
An in-depth study of the project management body of knowledge as applied to Information Technology with emphasis on Agile methodologies and the management of scope, costs, schedules, quality and risks. Includes program management, system methodologies, material procurement, and human, cultural, and international issues and their impact on the organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5360. E-Commerce: Strategies, Technologies, and Applications.
This course is designed to familiarize students with current and emerging e-commerce technologies. Topics include Internet technology for business advantage, reinventing the future of business through e-commerce, business opportunities in e-commerce, and social, political, global, and ethical issues associated with ecommerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5364. Data Warehousing.
Familiarizes students with current and emerging data warehousing technologies that play a strategic role in business organizations. Topics include data warehouse development life cycle, data warehouse navigation, data quality, and performance issues. Prerequisites: CIS 5355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5367. Machine Learning.
This course focuses on deriving actionable knowledge from data using algorithms and industry standard tools. It covers the complete process, key technologies, core machine learning algorithms, and programming used for business intelligence. Prerequisite: CIS 5357 and QMST 5336 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5368. Information Security.
This course covers the analysis, design, development, implementation, and maintenance of information security systems. Topics include legal, ethical, professional, personnel issues; risk management; technology; cryptography; and physical security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5369. Independent Study in Computer Information Systems.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in CIS and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 5370. Enterprise Resource Planning and Business Intelligence.
The use of information technology in integrating enterprises for operational control and business intelligence is examined via Enterprise Resource Planning (ERP) applications in customer relationships management, accounting, finance, purchasing, production control, sales, marketing, and human resource management. Emphasizes managerial issues surrounding the need, selection, and implementation of ERP systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5371. Accounting Information Systems and Controls.
A study of accounting information systems and controls as well as their role in the current technology-intensive business environment. Emphasis is placed on contemporary technology and applications, IT and business systems assessments, IT internal controls, control concepts and procedures, information systems auditing, and transaction cycles. Prerequisite: ACC 3313 or ACC 5361 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5378. Information Security Policies and Compliance.
This course focuses on the technology and managerial issues related to information policies, regulations, and compliance that assure confidentiality, integrity, and availability of data and computer systems. Topics include information security policy, regulations, laws, standards, framework, compliance, and governance. Prerequisite: CIS 5368 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5390C. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CIS 5395. Internship in Computer Information Systems.
This course provides students with opportunities for experiential learning by working on a computer information systems project. It enables integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CIS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Economics (ECO)

ECO 5302. Economic Theory and Policy.
An intensive study of micro-and macroeconomic concepts; the price system as it functions under competition, monopoly, monopolistic competition and oligopoly; national income measurement and determination; business cycles; money and baking; monetary policy; fiscal policy and economic stabilization. May not be counted as an elective MBA course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ECO 5310. International Economics.
Examination of the patterns of trade and finance among nations, integrating the topics of exchange rates, trade barriers, customs unions, and macroeconomics policy into a unified treatment of international economic relations. Prerequisite: B A 5353 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ECO 5316. Managerial Economics.
The application of economic theory and analysis to the formulation of business policy, including demand analysis, production theory, linear programming, and pricing policy. (MBA with Technology Emphasis students complete TECH 5315.) Prerequisite: QMST 5334 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5320. Emerging Market Economies.
The course focuses on the structural characteristics of the emerging market economies, with an emphasis on analyzing the salient economic challenges and opportunities facing contemporary emerging market economies. Prerequisites: B A 5353 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5378. Macroeconomic Theory and Policy.
An analysis of theory and policy questions relating to the rate of economic growth. The theory of national income, employment and the price level from the point of view of dynamics. Students may take either BA 5378 or BA 5316. Prerequisite: BA 5302 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Finance (FIN)

FIN 5307. Financial Analysis.
Development of the theoretical basis and presentation of the techniques for the acquisition and management of the firm's financial resources. Topics include working capital management, capital budgeting, and internal and external financing decisions. May not be counted as an MBA elective course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FIN 5322. Investment Analysis.
This course provides an introduction to the basic concepts of investments and investment management. It is designed to develop a framework within which to view the investment process in a global environment and an understanding of the institutional setting in which investment decisions are made. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5332. Portfolio Theory and Capital Markets.
This course is designed to provide students with an overview of the strategies for creating and managing portfolios. At the end of this course, students should understand the tools for investment management. Topics covered include portfolio construction and analysis, risk analysis, asset class management, derivatives, and portfolio performance analysis. Prerequisite: FIN 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5337. International Finance.
Examination of economic incentives and rationale for multinational firms,exchange rate risk exposure and management, investment decision strategy, and the general economic impact of multinational firm activity. (MULT) Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5338. International Investments and Financial Management.
Examination of economic incentives and rationale for international investment and financing. Topics include exchange rate risk exposure and management, global debt and equity investment and financing, foreign currency derivative markets, and general investment and financing strategy in global capital market. Prerequisite: B A 5352 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5347C. Real Estate Investment.
An application of capital budgeting to real estate investment decisions. Prerequisite: FIN 5387 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FIN 5387. Managerial Finance.
Concentrates on the finance function, analysis and budgeting of funds,management of current assets, short and intermediate-term financing requirements, long-term debt policy and capital structure, capital budgeting, and the concept of cost of capital. Risk and return trade-offs also are studied. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5395. Independent Study in Finance.
An in-depth study of a single topic or related problem solved through finance research. The course may be repeated once if the topic studied is different. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Management (MGT)

MGT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5301. Graduate Assistant Development.
Completion of this course is required as a condition of employment for graduate assistants. The course is seminar based and covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MGT 5310. Organizational Change Management.
Presents an overview of the process of change in an organization and stresses the key issues involved in reengineering and renewing organizations. Problems dealing with stress and conflict during major change will be explored along with practical ideas on building effective teams to make change possible and sustainable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5311. Process Improvement Management in Organizations.
Learn existing and latest developments in process improvement techniques for continuous improvement and the role of quality as a system for establishing an organization's competitive advantage. Process mapping is emphasized and assessment of effectiveness in the interactions of the managerial and technical systems of organizations is also studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5312. Seminar in Management.
Development of philosophy, strategy, and tactics in managing an enterprise. Administrative processes common to all enterprises, such as entrepreneurship, business and society, leadership and group behavior in organizations, business ethics, and international management. (Course may be repeated for credit with different course focus.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5313. Strategic Management.
An integrative approach to policy formulation and administration (decision making) to achieve organization objectives. Should be taken the last semester of student's MBA program. Prerequisite: ACC 5361 and FIN 5387 and MKT 5321 and QMST 5334 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5314. Organizational Behavior and Theory.
Organizational behavior and structure as influenced by environmental variables and system relationships. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5315. New Venture Management.
This course provides an overview of the entrepreneurial process from the initial idea through start-up, growth, and harvest. Students learn how to write a business plan, manage all the elements of an entrepreneurial business, and develop a better understanding of the requirements of the entrepreneurial life path.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5318. Cross-Cultural Management.
The global environment requires sensitivity to and the adaptation of leadership and management skills and practices, and the culture-bound differences in workplace behavior and attitudes. Explores how differences in cultural core values shape behavior and attitudes of workers, managerial colleagues, and negotiating partners. Prerequisites: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5321. Supply Chain Management.
A variety of tools and frameworks provide students and understanding of the basis behind supply chain decision making. Topics include supply management concepts, demand-supply management, pull/push system, capacity and resource allocation, performance measurement, relationship assessment, and outsourcing in an integrated supply chain. Require graduate standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5325. Managing Business Creativity.
This course focuses on the means by which businesses and individuals foster and maintain their creative and innovative skills. Key topics include: idea generation and refinement, idea screening, prototype development, and feasibility analysis. Objectives are met through classroom exercises, case analysis, guest speakers, and individual and team projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5330. Seminar in Human Resource Management.
A study of current developments and practices in human resource management, including employment laws; planning, recruitment and selection; training and development programs; wage and benefits administration; performance management, human relations and productivity; labor relations; safety and health; an current contributions to human resource management theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5333. Problems in Business Administration.
The student is here given the opportunity to work in the field of his special interest, particularly in the subjects of accounting, business law, marketing, statistics, finance, and insurance. The course will be conducted by conferences between the student and instructors concerned. Problems will be assigned as nearly as possible for the needs of the individual student.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5335. New Venture Launch.
The purpose of this class is to ensure students gain a full understanding of what it takes to start and grow a business. Students learn the process of creating a new venture from the inside by planning, organizing and launching an actual business. Prerequisite: MGT 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5336. Compensation and Benefits.
This course addresses the rewards systems in organizations. Strategic and technical considerations in designing, administering and managing compensation and benefits plans in organizations, including job analysis and evaluation, wage levels and structures, legal issues, individual and group incentives, and benefits are considered. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5337. Organizational Staffing.
A study of the methods involved in recruitment and selection of employees with an emplasis on measurement, job analysis, performance appraisal, legal issues, and the role of human resource planning and strategy. This course relies on statistics to teach students to make reliable and valid employment decisions. Prerequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5338. Human Resource Development.
A study of theoretical and applied perspectives on needs assessment, design, development delivery and evaluation of training and development as well as organizational change and development. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5339. International Human Resource Management.
A study of challenges that decision makers consider when managing their human resources across the globe. Drawing on theories and models from cross-cultural and international management areas, this course covers such topics as globalization, culture, emerging international assignments, and expatriate recruitment, selection, training, repatriation, and career management. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5375. International Management-Latin America.
A study of the cultural, economic, regulatory, and political factors impacting international business. Emphasis is placed on theory and research of management phenomena in Latin America and on issues mediating commercial and governmental relations between the United State and Latin American countries. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MGT 5380A. Business Ethics Leadership.
This course examines a variety of ethical issues in business from multiple stakeholder perspectives (top management, employees, community members, etc.). The course is designed to enhance moral awareness and facilitate individual development with respect to making ethical decisions that contribute to effective corporate management and leadership.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MGT 5380B. Human Resource Information Systems.
This course provides an overview of functional areas in an HRIS system with a focus on the acquisition of skills with respect to the software as well as knowledge regarding the implementation process, associated benefits and costs, and the application of HRIS to manage critical HRM processes. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380C. Group Dynamics in Organizations.
This course explores the theoretical framework of group interactions as well as the practical workplace challenges associated with organizing, participating on, and managing teams and groups. It addresses the development and use of teams to improve business organizations and is recommended for graduate students preparing for business careers. Prerequisite: B A 5351 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380D. Labor Relations and Negotiation.
This graduate level course is a study of labor organizations and their impact as well as negotiation and conflict resolution issues. The course will examine the National Labor Relations Act (NLRA), union and employer rights under the NLRA, union organizing, collective bargaining, negotiation, contract administration, mediation and arbitration. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380E. International Leadership.
Course will include lectures, business engagements, cultural excursions, and a service-learning project. To reinforce the theories discussed in class students will interact directly with managers, employees, and international business professionals, learn perspective on cultural and leadership issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5390. Business Research Methods.
Designed to aid graduate students in analyzing reports, evaluating research and in planning research reports. Involves the selection of research problems, sources of data, analysis, presentation, report writing, directed reading, class reports, and a research problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5391. Managing the Communication Process.
The study and application of theory and psychology of managerial communication using written, oral, and technological modes to communicate within the business environment. The course includes the process and product approach to graphics, leadership, problem solving, prioritizing, interviewing, and communicating change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5395. Graduate Business Internship.
Integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in MGT 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Marketing (MKT)

MKT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5321. Marketing Management.
A study of the planning and coordination of marketing functions, marketing policies, and the analysis of marketing administration. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5322. Marketing Research Methods.
An advanced study of the marketing research process to include problem formulation, determination of sources of information and research design, design of data collection forms, design of the sample, collection of the data, analysis and interpretation of the data, preparation of the research report, and oral presentation of the research findings. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5323. Qualitative Research in Marketing.
This course examines qualitative methods as used in marketing and market research. Topics include the design and execution of qualitative research projects using various qualitative methodological approaches. Activities include application of qualitative methods for conducting research. Students will apply learning in a qualitative research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5325. Global Marketing and the Value Chain.
To understand the value chain concept and the linkages between value chains in the global marketplace. This will include evaluating the various value chains: supplier, firm, channel, and buyer in the global context. Topics will include procurement, operations, logistics, negotiation, marketing channels, and customer service.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5330. International Marketing.
An application of marketing concepts to the global business environment. Examines marketing in the light of international economic, social, cultural, business, and environmental factors. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5331. Integrated Marketing Communications.
An analysis of consumer behavior in the marketplace and its application to the preparation and presentation of a complete integrated marketing communications plan for a local, regional, and/or national client. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5335. Services Marketing.
Services dominate the U.S. economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5340. Digital Marketing.
This course examines marketing strategies in the digital environment. It examines the latest technology and analytical tools used in e-marketing and e-commerce, including online advertising, mobile marketing, social media marketing, search marketing, email marketing, and web analytics. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5345. Marketing Analytics.
This course is a study of the scientific approach that connects customer data and competitive information to drive marketing decision-making. The course explores customer data analysis techniques and their theoretical foundations that are applied to real world business problems. Students will learn software, conduct data analysis and communicate the results. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5350. Strategic Marketing Analysis and Planning.
This course examines strategic marketing decision making through the analysis and interpretation of marketing intelligence, metrics, and dashboards. Topics will include data-driven decision making on marketing challenges pertaining to customers, brands, marketing mix decisions, online strategy and social media, market performance, and firm profitability. Prerequisite: MKT 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5395. Independent Study in Marketing.
Individual problems or topics will be designed and completed to emphasize selected areas of study in Marketing. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5397C. Technology and Marketing.
Technology & Marketing covers the impact of new information technologies on marketing and marketing industries undergoing high levels of technological change. Subject areas such as social media, e-commerce, database marketing, business-to –business marketing, and customer contact management are examined and illustrated in industry settings that emphasize innovation through new technologies. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MKT 5397D. Marketing Metrics and Analysis.
To understand the measurement, analysis, and interpretation of marketing metrics that are critical for marketing strategy development and firm performance. Topics will include metrics associated with customers, brands, marketing mix decisions, online strategy and social media, firm profitability, and marketing dashboards. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MKT 5398. Internship in Marketing.
Internship in marketing is an external employer supervised, experiential learning course that enables a student to integrate professional and graduate business coursework. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5399A. Thesis.
This course represents a student's initial thesis enrollments. No thesis credit is awarded until student has completed the thesis in Marketing Research and Analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MKT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Quantitative Methods and Statistics (QMST)

QMST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5332. Optimization.
A study of management science/operations research emphasizing theory and applications of evaluative, predictive, and optimizing models as applied to the management of product and service-oriented operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5334. Statistical Methods for Business.
The course provides the quantitative foundation for business analysis and decision making. Topics include: inferential statistics, regression analysis, and other analytical/modeling techniques with wide applicability in decision-making and problem solving in all functional areas of business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5335. Forecasting and Simulation.
This course introduces the concepts and principles of forecasting and simulation techniques as applies to planning and decision making in organizations. Topical coverage includes time series forecasting, casual forecasting, discrete event simulation, and continues-event simulation techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5336. Analytics.
This course introduces analytics which refers to the process of transforming data into information for making decisions. The topics include the introduction to analytics, visualization, analytics applications, and challenges related to business data. Students will learn how to use software, conduct data analysis and communicate their results.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5342. Probability and Statistical Models.
This course introduces the concept of probability and probability distributions. It includes general and generalized linear models, inflated and mixture models, and hierarchical models. Model validity and choice will also be discussed. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5343. Data Mining.
This course covers data mining concepts and applications of data mining techniques to solve business problems. It emphasizes algorithms such as classification, clustering, association, and text mining. Model selection and assessment are also emphasized. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5369. Independent Study in Quantitative Methods.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in quantitative methods and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5390A. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 5395. Internship in Analytics.
This course is based on experiential learning while the student works in quantitative methods and statistics. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

QMST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Business Administration (M.B.A) Major in Business Administration (General Flex Thesis Option)

Program Overview

The Master of Business Administration (M.B.A.) degree with a major in Business Administration program in the McCoy College emphasizes the knowledge and tools needed for professional success and is designed for those individuals who expect to pursue careers in the management of organizations in either the public or private sector. The curriculum provides broad-based, generalized education with the flexibility to meet individual needs. Students may choose an optional concentration in one of five areas of study in a flexible format or select a full-time cohort program. The entire Flex M.B.A. programs can be completed at either the San Marcos or Round Rock campus while the Full-Time Cohort program is available exclusively at the San Marcos campus.

Students in the Flex M.B.A. program with a **Computer Information Systems Concentration** learn how technology has changed the way business operates and how to harness the power of technology in various business management settings.

The Flex M.B.A. with an **Engineering Technology Concentration** is offered in cooperation with the Department of Engineering Technology, an academic division of the College of Science and Engineering. M.B.A. students pursuing the Engineering Technology Concentration should find enhanced career opportunities with companies oriented significantly toward manufacturing.

Students interested in careers related to international business may choose to seek the Flex M.B.A. degree with an **International Business Concentration**. This program is designed to provide focused study in international business including cultural, historical, and political issues. While this program is available to all students in the M.B.A. program, it is especially well suited for undergraduate students in the international studies undergraduate program.

If a student's interest is the healthcare industry, the Flex M.B.A. with a **Healthcare Administration Concentration** may be for them. Offered jointly with the College of Health Professions, the program combines academic content from both colleges to prepare students for a successful career in healthcare.

For those interested in the field of human resources, a Flex M.B.A. with a **Human Resource Management Concentration** is available. This program provides information on organizational change, staffing, compensation and benefits, and international HR.

The **Full-Time Cohort** M.B.A. is offered exclusively at the San Marcos campus. In addition to the core courses, students must complete an internship and study abroad experience in a specific semester as outlined for each cohort group.

Each of the above programs require completing course work from three sets of courses:

- Courses in the first set constitute Tier 1 core courses. They are designed to give students a strong foundation in business as well as begin intensive professional development. These courses must be completed for any of the M.B.A. options selected.

- The second set of courses are the Tier 2 core courses. The purpose of the Tier 2 core courses is to ensure that all students completing a program of study have a common academic experience in all areas critical to success in a discipline. While all M.B.A. options require a similar set of Tier 2 core courses, there are some exceptions noted on the Requirements tab.
- The third set of courses for the M.B.A. options is the elective courses. In addition to the required Tier 1 and Tier 2 core courses for each M.B.A. option, the degree candidate is allowed to select a group of courses from an approved set of electives. The exact number of elective courses varies between degree options. Course requirements for each M.B.A. option are described on the Requirements tab.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- responses to specific essay questions
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two letters of recommendation from persons best able to assess the student's ability to succeed in graduate school
- official GMAT or GRE (general test only) with competitive scores. An applicant may select the Conditional Start Option. Under this option, an applicant may be considered for conditional admission if they choose not to supply a GMAT/GRE score. Applicants must meet all other admission requirements. Applicants admitted under the Conditional Start Option must earn a 'B' or better in each of the first nine hours of the program and are not eligible for graduate assistantships or scholarship/fellowships until this condition is met. If the condition is not met, the student is suspended from the program.

TOEFL or IELTS Scores

- Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Business Administration (M.B.A.) degree with a major in Business Administration requires 36 semester credit hours, including a thesis.

B A 5100 should be taken in the first term, and MGT 5313 should be taken in the last term because it serves as the capstone course and includes the comprehensive examination.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
B A 5100	Business Professional Development Seminar (Taken three times in different terms)	3
B A 5351	Organizational Performance and Competitive Advantage	3
B A 5352	Developing the Financial Perspective of the Firm	3
ACC 5361	Accounting Analysis for Managerial Decision Making	3
ECO 5316	Managerial Economics	3
MGT 5313	Strategic Management	3
MGT 5314	Organizational Behavior and Theory	3
MGT 5321	Supply Chain Management	3
MKT 5321	Marketing Management	3
QMST 5334	Statistical Methods for Business	3
Thesis		
MGT 5399A	Thesis	3
Choose a minimum of three hours from the following:		3
MGT 5199B	Thesis	
MGT 5299B	Thesis	
MGT 5399B	Thesis	
MGT 5599B	Thesis	
MGT 5999B	Thesis	
Total Hours		36

Comprehensive Examination Requirement

The comprehensive examination consists of a consulting project with companies in the community. The exam is a written paper and oral

presentation at the end of the semester, associated with capstone course MGT 5313. If the student fails, they must retake the capstone course, MGT 5313, the following term.

Students who do not successfully complete the requirements for the degree within the timelines specified will be dismissed from the program.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival

quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Business Administration: ACC (p. 858), B A (p. 860), BLAW (p. 860), CIS (p. 861), ECO (p. 863), FIN (p. 863), MGT (p. 864), MKT (p. 866), QMST (p. 868)

Courses Offered

Students must complete the appropriate background course or its equivalent before enrolling in elective courses.

Accounting (ACC)

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor's judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual's employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Business Administration (B A)

B A 5351. Organizational Performance and Competitive Advantage.
This course is designed to provide an integrative understanding of the firm. A variety of organizational models and perspectives will be incorporated to facilitate understanding of the complexities of the firm, its environments, and its relationships with stakeholders. Includes focus on case analysis issues and communication skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5352. Developing the Financial Perspective of the Firm.
Development of the theoretical basis and presentation of accounting and finance. Topics include understanding the basic elements of financial statements, the use of accounting information in decision making, and the techniques for the acquisition and management of the firm's financial resources. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5353. Understanding and Analyzing Organizational Problems.
An introduction to the concepts of economic theory and optimization, with an emphasis on developing skills in data and economic analysis to solve business problems. Coverage includes prices, costs, market structures, macroeconomic policies, and optimization. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5368A. MBA Full Time Cohort International Experience.
This course will focus on developing an understanding and analysis of issues related to business challenges in another country. Students will gain first-hand experience with the business practices, culture and economy of another country. Corequisite: MGT 5313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

B A 5396. Internship in Business Administration.
This course is based on experiential learning while the student works in business administration. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 5398. Independent Study in Business Administration.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in business administration and work independently on a specialized project. Course may be repeated with approval of associate dean for graduate programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Business Law (BLAW)

BLAW 5310. The Employment Relationship.
A study of trends in the rapidly evolving "law of workplace," with emphasis on how lawmakers attempt to balance the rights and responsibilities of employers and workers. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5333. Legal Issues of Sustainability and Responsibility.
Diverse frameworks and analytical methods underlying our understanding of sustainability are explored, including the legal aspects & impact on business, society, environment and economy. Topics include corporate governance, globalization, urbanization, energy, human population, food, natural resources, water and equity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5364. Commercial Law.
A traditional business law course which examines sales, negotiable instruments, creditor's rights and remedies, secured transactions, bankruptcy law, personal property, bailments, real property and landlord-tenant relationships. Prerequisite: BLAW 2361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5368B. Law and Ethics in the Business Environment.
An examination of the ethical dimensions of management decision-making. Problems are viewed through the lens of a value system determined, in part, by the legal system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368D. Business Dispute Administration.
Course describes civil and religious law systems, both in the U.S. and abroad, alternative dispute resolution programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368E. Environmental Law and Policy.
Course attempts to integrate the study of environmental law w/ concepts from other disciplines necessary to an assessment of the law, primarily economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368F. Business Law for Entrepreneurs.
Course explores steps that an entrepreneur who is contemplating leaving an employer can take to make the departure amicable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368G. Legal Issues in International Business.
This course examines legal issues relevant to international business transactions, emphasizing international trade, licensing of intellectual property, and foreign direct investment. Environmental, dispute resolution, labor, e-commerce, marketing, and ethical issues will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BLAW 5368I. International Business Ethics.
This course examines the legal and ethical challenges inherent in international marketing, international environmental and energy practices, international labor and employment practices, trade negotiations, foreign direct investment, intellectual property licensing, technology development, data collection mining, corporate tax inversion, and global corporate social responsibility. Students will also discuss the individual behavioral, organizational, and cultural factors that influence ethical and unethical business decisions in the global business environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Computer Information Systems (CIS)

CIS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5318. Information Technology in the Digital Economy.
Provides an understanding of the issues involved in the strategic management of the information assets of organizations. Examines the issues and challenges that users face within the Information Technology (IT) management arena as part of a firm's business and IT strategy. Focus is on managerial rather than technical issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5355. Database Management Systems.
Explores the concepts, principles, issues and techniques for managing corporate data resources using database management systems. The course includes techniques for analysis, design and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating database management software. Students will use a relational database management system to develop a management information system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5356. Business Telecommunications.
Explores the technology that is revolutionizing the manner in which business and government conduct their operations and the effects new developments in communication media have on computing systems. This course reflects the current state-of-the-art in data communication networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5357. Computing for Data Analytics.
This course focuses on fundamentals of programming. Students will learn to design and implement applications, and programmatically handle a variety of data management functionalities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5358. Agile Project Management For Business Professionals.
An in-depth study of the project management body of knowledge as applied to Information Technology with emphasis on Agile methodologies and the management of scope, costs, schedules, quality and risks. Includes program management, system methodologies, material procurement, and human, cultural, and international issues and their impact on the organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5360. E-Commerce: Strategies, Technologies, and Applications.
This course is designed to familiarize students with current and emerging e-commerce technologies. Topics include Internet technology for business advantage, reinventing the future of business through e-commerce, business opportunities in e-commerce, and social, political, global, and ethical issues associated with ecommerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5364. Data Warehousing.
Familiarizes students with current and emerging data warehousing technologies that play a strategic role in business organizations. Topics include data warehouse development life cycle, data warehouse navigation, data quality, and performance issues. Prerequisites: CIS 5355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5367. Machine Learning.
This course focuses on deriving actionable knowledge from data using algorithms and industry standard tools. It covers the complete process, key technologies, core machine learning algorithms, and programming used for business intelligence. Prerequisite: CIS 5357 and QMST 5336 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5368. Information Security.
This course covers the analysis, design, development, implementation, and maintenance of information security systems. Topics include legal, ethical, professional, personnel issues; risk management; technology; cryptography; and physical security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5369. Independent Study in Computer Information Systems.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in CIS and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 5370. Enterprise Resource Planning and Business Intelligence.
The use of information technology in integrating enterprises for operational control and business intelligence is examined via Enterprise Resource Planning (ERP) applications in customer relationships management, accounting, finance, purchasing, production control, sales, marketing, and human resource management. Emphasizes managerial issues surrounding the need, selection, and implementation of ERP systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5371. Accounting Information Systems and Controls.
A study of accounting information systems and controls as well as their role in the current technology-intensive business environment. Emphasis is placed on contemporary technology and applications, IT and business systems assessments, IT internal controls, control concepts and procedures, information systems auditing, and transaction cycles. Prerequisite: ACC 3313 or ACC 5361 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5378. Information Security Policies and Compliance.
This course focuses on the technology and managerial issues related to information policies, regulations, and compliance that assure confidentiality, integrity, and availability of data and computer systems. Topics include information security policy, regulations, laws, standards, framework, compliance, and governance. Prerequisite: CIS 5368 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5390C. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CIS 5395. Internship in Computer Information Systems.
This course provides students with opportunities for experiential learning by working on a computer information systems project. It enables integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CIS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Economics (ECO)

ECO 5302. Economic Theory and Policy.
An intensive study of micro-and macroeconomic concepts; the price system as it functions under competition, monopoly, monopolistic competition and oligopoly; national income measurement and determination; business cycles; money and baking; monetary policy; fiscal policy and economic stabilization. May not be counted as an elective MBA course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ECO 5310. International Economics.
Examination of the patterns of trade and finance among nations, integrating the topics of exchange rates, trade barriers, customs unions, and macroeconomics policy into a unified treatment of international economic relations. Prerequisite: B A 5353 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ECO 5316. Managerial Economics.
The application of economic theory and analysis to the formulation of business policy, including demand analysis, production theory, linear programming, and pricing policy. (MBA with Technology Emphasis students complete TECH 5315.) Prerequisite: QMST 5334 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5320. Emerging Market Economies.
The course focuses on the structural characteristics of the emerging market economies, with an emphasis on analyzing the salient economic challenges and opportunities facing contemporary emerging market economies. Prerequisites: B A 5353 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5378. Macroeconomic Theory and Policy.
An analysis of theory and policy questions relating to the rate of economic growth. The theory of national income, employment and the price level from the point of view of dynamics. Students may take either BA 5378 or BA 5316. Prerequisite: BA 5302 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Finance (FIN)

FIN 5307. Financial Analysis.
Development of the theoretical basis and presentation of the techniques for the acquisition and management of the firm's financial resources. Topics include working capital management, capital budgeting, and internal and external financing decisions. May not be counted as an MBA elective course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FIN 5322. Investment Analysis.
This course provides an introduction to the basic concepts of investments and investment management. It is designed to develop a framework within which to view the investment process in a global environment and an understanding of the institutional setting in which investment decisions are made. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5332. Portfolio Theory and Capital Markets.
This course is designed to provide students with an overview of the strategies for creating and managing portfolios. At the end of this course, students should understand the tools for investment management. Topics covered include portfolio construction and analysis, risk analysis, asset class management, derivatives, and portfolio performance analysis. Prerequisite: FIN 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5337. International Finance.
Examination of economic incentives and rationale for multinational firms,exchange rate risk exposure and management, investment decision strategy, and the general economic impact of multinational firm activity. (MULT) Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5338. International Investments and Financial Management.
Examination of economic incentives and rationale for international investment and financing. Topics include exchange rate risk exposure and management, global debt and equity investment and financing, foreign currency derivative markets, and general investment and financing strategy in global capital market. Prerequisite: B A 5352 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5347C. Real Estate Investment.
An application of capital budgeting to real estate investment decisions. Prerequisite: FIN 5387 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FIN 5387. Managerial Finance.
Concentrates on the finance function, analysis and budgeting of funds,management of current assets, short and intermediate-term financing requirements, long-term debt policy and capital structure, capital budgeting, and the concept of cost of capital. Risk and return trade-offs also are studied. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5395. Independent Study in Finance.
An in-depth study of a single topic or related problem solved through finance research. The course may be repeated once if the topic studied is different. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Management (MGT)

MGT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5301. Graduate Assistant Development.
Completion of this course is required as a condition of employment for graduate assistants. The course is seminar based and covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MGT 5310. Organizational Change Management.
Presents an overview of the process of change in an organization and stresses the key issues involved in reengineering and renewing organizations. Problems dealing with stress and conflict during major change will be explored along with practical ideas on building effective teams to make change possible and sustainable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5311. Process Improvement Management in Organizations.
Learn existing and latest developments in process improvement techniques for continuous improvement and the role of quality as a system for establishing an organization's competitive advantage. Process mapping is emphasized and assessment of effectiveness in the interactions of the managerial and technical systems of organizations is also studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5312. Seminar in Management.
Development of philosophy, strategy, and tactics in managing an enterprise. Administrative processes common to all enterprises, such as entrepreneurship, business and society, leadership and group behavior in organizations, business ethics, and international management. (Course may be repeated for credit with different course focus.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5313. Strategic Management.
An integrative approach to policy formulation and administration (decision making) to achieve organization objectives. Should be taken the last semester of student's MBA program. Prerequisite: ACC 5361 and FIN 5387 and MKT 5321 and QMST 5334 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5314. Organizational Behavior and Theory.
Organizational behavior and structure as influenced by environmental variables and system relationships. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5315. New Venture Management.
This course provides an overview of the entrepreneurial process from the initial idea through start-up, growth, and harvest. Students learn how to write a business plan, manage all the elements of an entrepreneurial business, and develop a better understanding of the requirements of the entrepreneurial life path.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5318. Cross-Cultural Management.
The global environment requires sensitivity to and the adaptation of leadership and management skills and practices, and the culture-bound differences in workplace behavior and attitudes. Explores how differences in cultural core values shape behavior and attitudes of workers, managerial colleagues, and negotiating partners. Prerequisites: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5321. Supply Chain Management.
A variety of tools and frameworks provide students and understanding of the basis behind supply chain decision making. Topics include supply management concepts, demand-supply management, pull/push system, capacity and resource allocation, performance measurement, relationship assessment, and outsourcing in an integrated supply chain. Require graduate standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5325. Managing Business Creativity.
This course focuses on the means by which businesses and individuals foster and maintain their creative and innovative skills. Key topics include: idea generation and refinement, idea screening, prototype development, and feasibility analysis. Objectives are met through classroom exercises, case analysis, guest speakers, and individual and team projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5330. Seminar in Human Resource Management.
A study of current developments and practices in human resource management, including employment laws; planning, recruitment and selection; training and development programs; wage and benefits administration; performance management, human relations and productivity; labor relations; safety and health; an current contributions to human resource management theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5333. Problems in Business Administration.
The student is here given the opportunity to work in the field of his special interest, particularly in the subjects of accounting, business law, marketing, statistics, finance, and insurance. The course will be conducted by conferences between the student and instructors concerned. Problems will be assigned as nearly as possible for the needs of the individual student.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5335. New Venture Launch.
The purpose of this class is to ensure students gain a full understanding of what it takes to start and grow a business. Students learn the process of creating a new venture from the inside by planning, organizing and launching an actual business. Prerequisite: MGT 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5336. Compensation and Benefits.
This course addresses the rewards systems in organizations. Strategic and technical considerations in designing, administering and managing compensation and benefits plans in organizations, including job analysis and evaluation, wage levels and structures, legal issues, individual and group incentives, and benefits are considered. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5337. Organizational Staffing.
A study of the methods involved in recruitment and selection of employees with an emplasis on measurement, job analysis, performance appraisal, legal issues, and the role of human resource planning and strategy. This course relies on statistics to teach students to make reliable and valid employment decisions. Prerequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5338. Human Resource Development.
A study of theoretical and applied perspectives on needs assessment, design, development delivery and evaluation of training and development as well as organizational change and development. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5339. International Human Resource Management.
A study of challenges that decision makers consider when managing their human resources across the globe. Drawing on theories and models from cross-cultural and international management areas, this course covers such topics as globalization, culture, emerging international assignments, and expatriate recruitment, selection, training, repatriation, and career management. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5375. International Management-Latin America.
A study of the cultural, economic, regulatory, and political factors impacting international business. Emphasis is placed on theory and research of management phenomena in Latin America and on issues mediating commercial and governmental relations between the United State and Latin American countries. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MGT 5380A. Business Ethics Leadership.
This course examines a variety of ethical issues in business from multiple stakeholder perspectives (top management, employees, community members, etc.). The course is designed to enhance moral awareness and facilitate individual development with respect to making ethical decisions that contribute to effective corporate management and leadership.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MGT 5380B. Human Resource Information Systems.
This course provides an overview of functional areas in an HRIS system with a focus on the acquisition of skills with respect to the software as well as knowledge regarding the implementation process, associated benefits and costs, and the application of HRIS to manage critical HRM processes. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380C. Group Dynamics in Organizations.
This course explores the theoretical framework of group interactions as well as the practical workplace challenges associated with organizing, participating on, and managing teams and groups. It addresses the development and use of teams to improve business organizations and is recommended for graduate students preparing for business careers. Prerequisite: B A 5351 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380D. Labor Relations and Negotiation.
This graduate level course is a study of labor organizations and their impact as well as negotiation and conflict resolution issues. The course will examine the National Labor Relations Act (NLRA), union and employer rights under the NLRA, union organizing, collective bargaining, negotiation, contract administration, mediation and arbitration. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380E. International Leadership.
Course will include lectures, business engagements, cultural excursions, and a service-learning project. To reinforce the theories discussed in class students will interact directly with managers, employees, and international business professionals, learn perspective on cultural and leadership issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5390. Business Research Methods.
Designed to aid graduate students in analyzing reports, evaluating research and in planning research reports. Involves the selection of research problems, sources of data, analysis, presentation, report writing, directed reading, class reports, and a research problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5391. Managing the Communication Process.
The study and application of theory and psychology of managerial communication using written, oral, and technological modes to communicate within the business environment. The course includes the process and product approach to graphics, leadership, problem solving, prioritizing, interviewing, and communicating change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5395. Graduate Business Internship.
Integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in MGT 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Marketing (MKT)

MKT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5321. Marketing Management.
A study of the planning and coordination of marketing functions, marketing policies, and the analysis of marketing administration. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5322. Marketing Research Methods.
An advanced study of the marketing research process to include problem formulation, determination of sources of information and research design, design of data collection forms, design of the sample, collection of the data, analysis and interpretation of the data, preparation of the research report, and oral presentation of the research findings. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5323. Qualitative Research in Marketing.
This course examines qualitative methods as used in marketing and market research. Topics include the design and execution of qualitative research projects using various qualitative methodological approaches. Activities include application of qualitative methods for conducting research. Students will apply learning in a qualitative research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5325. Global Marketing and the Value Chain.
To understand the value chain concept and the linkages between value chains in the global marketplace. This will include evaluating the various value chains: supplier, firm, channel, and buyer in the global context. Topics will include procurement, operations, logistics, negotiation, marketing channels, and customer service.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5330. International Marketing.
An application of marketing concepts to the global business environment. Examines marketing in the light of international economic, social, cultural, business, and environmental factors. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5331. Integrated Marketing Communications.
An analysis of consumer behavior in the marketplace and its application to the preparation and presentation of a complete integrated marketing communications plan for a local, regional, and/or national client. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5335. Services Marketing.
Services dominate the U.S. economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5340. Digital Marketing.
This course examines marketing strategies in the digital environment. It examines the latest technology and analytical tools used in e-marketing and e-commerce, including online advertising, mobile marketing, social media marketing, search marketing, email marketing, and web analytics. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5345. Marketing Analytics.
This course is a study of the scientific approach that connects customer data and competitive information to drive marketing decision-making. The course explores customer data analysis techniques and their theoretical foundations that are applied to real world business problems. Students will learn software, conduct data analysis and communicate the results. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5350. Strategic Marketing Analysis and Planning.
This course examines strategic marketing decision making through the analysis and interpretation of marketing intelligence, metrics, and dashboards. Topics will include data-driven decision making on marketing challenges pertaining to customers, brands, marketing mix decisions, online strategy and social media, market performance, and firm profitability. Prerequisite: MKT 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5395. Independent Study in Marketing.
Individual problems or topics will be designed and completed to emphasize selected areas of study in Marketing. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5397C. Technology and Marketing.
Technology & Marketing covers the impact of new information technologies on marketing and marketing industries undergoing high levels of technological change. Subject areas such as social media, e-commerce, database marketing, business-to –business marketing, and customer contact management are examined and illustrated in industry settings that emphasize innovation through new technologies. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MKT 5397D. Marketing Metrics and Analysis.
To understand the measurement, analysis, and interpretation of marketing metrics that are critical for marketing strategy development and firm performance. Topics will include metrics associated with customers, brands, marketing mix decisions, online strategy and social media, firm profitability, and marketing dashboards. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MKT 5398. Internship in Marketing.
Internship in marketing is an external employer supervised, experiential learning course that enables a student to integrate professional and graduate business coursework. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5399A. Thesis.
This course represents a student's initial thesis enrollments. No thesis credit is awarded until student has completed the thesis in Marketing Research and Analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MKT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Quantitative Methods and Statistics (QMST)

QMST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5332. Optimization.
A study of management science/operations research emphasizing theory and applications of evaluative, predictive, and optimizing models as applied to the management of product and service-oriented operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5334. Statistical Methods for Business.
The course provides the quantitative foundation for business analysis and decision making. Topics include: inferential statistics, regression analysis, and other analytical/modeling techniques with wide applicability in decision-making and problem solving in all functional areas of business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5335. Forecasting and Simulation.
This course introduces the concepts and principles of forecasting and simulation techniques as applies to planning and decision making in organizations. Topical coverage includes time series forecasting, casual forecasting, discrete event simulation, and continues-event simulation techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5336. Analytics.
This course introduces analytics which refers to the process of transforming data into information for making decisions. The topics include the introduction to analytics, visualization, analytics applications, and challenges related to business data. Students will learn how to use software, conduct data analysis and communicate their results.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5342. Probability and Statistical Models.
This course introduces the concept of probability and probability distributions. It includes general and generalized linear models, inflated and mixture models, and hierarchical models. Model validity and choice will also be discussed. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5343. Data Mining.
This course covers data mining concepts and applications of data mining techniques to solve business problems. It emphasizes algorithms such as classification, clustering, association, and text mining. Model selection and assessment are also emphasized. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5369. Independent Study in Quantitative Methods.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in quantitative methods and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5390A. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 5395. Internship in Analytics.
This course is based on experiential learning while the student works in quantitative methods and statistics. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

QMST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Business Administration (M.B.A) Major in Business Administration (Flex Computer Information Systems Concentration)

Program Overview

The Master of Business Administration (M.B.A.) degree with a major in Business Administration program in the McCoy College emphasizes the knowledge and tools needed for professional success and is designed for those individuals who expect to pursue careers in the management of organizations in either the public or private sector. The curriculum provides broad-based, generalized education with the flexibility to meet individual needs. Students may choose an optional concentration in one of five areas of study in a flexible format or select a full-time cohort program. The entire Flex M.B.A. programs can be completed at either the San Marcos or Round Rock campus while the Full-Time Cohort program is available exclusively at the San Marcos campus.

Students in the Flex M.B.A. program with a **Computer Information Systems Concentration** learn how technology has changed the way business operates and how to harness the power of technology in various business management settings.

The Flex M.B.A. with an **Engineering Technology Concentration** is offered in cooperation with the Department of Engineering Technology, an academic division of the College of Science and Engineering. M.B.A. students pursuing the Engineering Technology Concentration should find enhanced career opportunities with companies oriented significantly toward manufacturing.

Students interested in careers related to international business may choose to seek the Flex M.B.A. degree with an **International Business Concentration**. This program is designed to provide focused study in international business including cultural, historical, and political issues. While this program is available to all students in the M.B.A. program, it is especially well suited for undergraduate students in the international studies undergraduate program.

If a student's interest is the healthcare industry, the Flex M.B.A. with a **Healthcare Administration Concentration** may be for them. Offered jointly with the College of Health Professions, the program combines academic content from both colleges to prepare students for a successful career in healthcare.

For those interested in the field of human resources, a Flex M.B.A. with a **Human Resource Management Concentration** is available. This program provides information on organizational change, staffing, compensation and benefits, and international HR.

The **Full-Time Cohort** M.B.A. is offered exclusively at the San Marcos campus. In addition to the core courses, students must complete an internship and study abroad experience in a specific semester as outlined for each cohort group.

Each of the above programs require completing course work from three sets of courses:

- Courses in the first set constitute Tier 1 core courses. They are designed to give students a strong foundation in business as well as begin intensive professional development. These courses must be completed for any of the M.B.A. options selected.

- The second set of courses are the Tier 2 core courses. The purpose of the Tier 2 core courses is to ensure that all students completing a program of study have a common academic experience in all areas critical to success in a discipline. While all M.B.A. options require a similar set of Tier 2 core courses, there are some exceptions noted on the Requirements tab.
- The third set of courses for the M.B.A. options is the elective courses. In addition to the required Tier 1 and Tier 2 core courses for each M.B.A. option, the degree candidate is allowed to select a group of courses from an approved set of electives. The exact number of elective courses varies between degree options. Course requirements for each M.B.A. option are described on the Requirements tab.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- responses to specific essay questions
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two letters of recommendation from persons best able to assess the student's ability to succeed in graduate school
- official GMAT or GRE (general test only) with competitive scores. An applicant may select the Conditional Start Option. Under this option, an applicant may be considered for conditional admission if they choose not to supply a GMAT/GRE score. Applicants must meet all other admission requirements. Applicants admitted under the Conditional Start Option must earn a 'B' or better in each of the first nine hours of the program and are not eligible for graduate assistantships or scholarship/fellowships until this condition is met. If the condition is not met, the student is suspended from the program.

TOEFL or IELTS Scores

- Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Business Administration (M.B.A.) degree with a major in Business Administration concentration in Computer Information Systems requires 39 semester credit hours.

B A 5351 should be taken in the first semester and MGT 5313 should be taken in the last term because it serves as the capstone course and includes the comprehensive examination.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
B A 5100	Business Professional Development Seminar (Taken three times in different terms)	3
B A 5351	Organizational Performance and Competitive Advantage	3
B A 5352	Developing the Financial Perspective of the Firm	3
ACC 5361	Accounting Analysis for Managerial Decision Making	3
ECO 5316	Managerial Economics	3
MGT 5313	Strategic Management	3
MGT 5314	Organizational Behavior and Theory	3
MGT 5321	Supply Chain Management	3
MKT 5321	Marketing Management	3
QMST 5334	Statistical Methods for Business	3
Electives		9
Choose 9 hours from the following:		
CIS 5318	Information Technology in the Digital Economy	
CIS 5355	Database Management Systems	
CIS 5356	Business Telecommunications	
CIS 5358	Agile Project Management For Business Professionals	
CIS 5360	E-Commerce: Strategies, Technologies, and Applications	
CIS 5364	Data Warehousing	
CIS 5368	Information Security	
CIS 5370	Enterprise Resource Planning and Business Intelligence	

CIS 5390	Topics in Computer Information Systems
Total Hours	39

Comprehensive Examination Requirement

The comprehensive examination consists of a consulting project with companies in the community. The exam is a written paper and oral presentation at the end of the semester, associated with capstone course MGT 5313. If the student fails, they must retake the capstone course, MGT 5313, the following term.

Students who do not successfully complete the requirements for the degree within the timelines specified will be dismissed from the program.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Business Administration: ACC (p. 872), B A (p. 874), BLAW (p. 875), CIS (p. 875), ECO (p. 877), FIN (p. 877), MGT (p. 878), MKT (p. 881), QMST (p. 882)

Courses Offered

Students must complete the appropriate background course or its equivalent before enrolling in elective courses.

Accounting (ACC)

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor's judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual's employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Business Administration (B A)

B A 5351. Organizational Performance and Competitive Advantage.
This course is designed to provide an integrative understanding of the firm. A variety of organizational models and perspectives will be incorporated to facilitate understanding of the complexities of the firm, its environments, and its relationships with stakeholders. Includes focus on case analysis issues and communication skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5352. Developing the Financial Perspective of the Firm.
Development of the theoretical basis and presentation of accounting and finance. Topics include understanding the basic elements of financial statements, the use of accounting information in decision making, and the techniques for the acquisition and management of the firm's financial resources. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5353. Understanding and Analyzing Organizational Problems.
An introduction to the concepts of economic theory and optimization, with an emphasis on developing skills in data and economic analysis to solve business problems. Coverage includes prices, costs, market structures, macroeconomic policies, and optimization. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5368A. MBA Full Time Cohort International Experience.
This course will focus on developing an understanding and analysis of issues related to business challenges in another country. Students will gain first-hand experience with the business practices, culture and economy of another country. Corequisite: MGT 5313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

B A 5396. Internship in Business Administration.
This course is based on experiential learning while the student works in business administration. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 5398. Independent Study in Business Administration.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in business administration and work independently on a specialized project. Course may be repeated with approval of associate dean for graduate programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Business Law (BLAW)

BLAW 5310. The Employment Relationship.
A study of trends in the rapidly evolving "law of workplace," with emphasis on how lawmakers attempt to balance the rights and responsibilities of employers and workers. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5333. Legal Issues of Sustainability and Responsibility.
Diverse frameworks and analytical methods underlying our understanding of sustainability are explored, including the legal aspects & impact on business, society, environment and economy. Topics include corporate governance, globalization, urbanization, energy, human population, food, natural resources, water and equity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5364. Commercial Law.
A traditional business law course which examines sales, negotiable instruments, creditor's rights and remedies, secured transactions, bankruptcy law, personal property, bailments, real property and landlord-tenant relationships. Prerequisite: BLAW 2361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5368B. Law and Ethics in the Business Environment.
An examination of the ethical dimensions of management decision-making. Problems are viewed through the lens of a value system determined, in part, by the legal system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368D. Business Dispute Administration.
Course describes civil and religious law systems, both in the U.S. and abroad, alternative dispute resolution programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368E. Environmental Law and Policy.
Course attempts to integrate the study of environmental law w/ concepts from other disciplines necessary to an assessment of the law, primarily economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368F. Business Law for Entrepreneurs.
Course explores steps that an entrepreneur who is contemplating leaving an employer can take to make the departure amicable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368G. Legal Issues in International Business.
This course examines legal issues relevant to international business transactions, emphasizing international trade, licensing of intellectual property, and foreign direct investment. Environmental, dispute resolution, labor, e-commerce, marketing, and ethical issues will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BLAW 5368I. International Business Ethics.
This course examines the legal and ethical challenges inherent in international marketing, international environmental and energy practices, international labor and employment practices, trade negotiations, foreign direct investment, intellectual property licensing, technology development, data collection mining, corporate tax inversion, and global corporate social responsibility. Students will also discuss the individual behavioral, organizational, and cultural factors that influence ethical and unethical business decisions in the global business environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Computer Information Systems (CIS)

CIS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5318. Information Technology in the Digital Economy.
Provides an understanding of the issues involved in the strategic management of the information assets of organizations. Examines the issues and challenges that users face within the Information Technology (IT) management arena as part of a firm's business and IT strategy. Focus is on managerial rather than technical issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5355. Database Management Systems.
Explores the concepts, principles, issues and techniques for managing corporate data resources using database management systems. The course includes techniques for analysis, design and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating database management software. Students will use a relational database management system to develop a management information system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5356. Business Telecommunications.
Explores the technology that is revolutionizing the manner in which business and government conduct their operations and the effects new developments in communication media have on computing systems. This course reflects the current state-of-the-art in data communication networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5357. Computing for Data Analytics.
This course focuses on fundamentals of programming. Students will learn to design and implement applications, and programmatically handle a variety of data management functionalities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5358. Agile Project Management For Business Professionals.
An in-depth study of the project management body of knowledge as applied to Information Technology with emphasis on Agile methodologies and the management of scope, costs, schedules, quality and risks. Includes program management, system methodologies, material procurement, and human, cultural, and international issues and their impact on the organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5360. E-Commerce: Strategies, Technologies, and Applications.
This course is designed to familiarize students with current and emerging e-commerce technologies. Topics include Internet technology for business advantage, reinventing the future of business through e-commerce, business opportunities in e-commerce, and social, political, global, and ethical issues associated with ecommerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5364. Data Warehousing.
Familiarizes students with current and emerging data warehousing technologies that play a strategic role in business organizations. Topics include data warehouse development life cycle, data warehouse navigation, data quality, and performance issues. Prerequisites: CIS 5355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5367. Machine Learning.
This course focuses on deriving actionable knowledge from data using algorithms and industry standard tools. It covers the complete process, key technologies, core machine learning algorithms, and programming used for business intelligence. Prerequisite: CIS 5357 and QMST 5336 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5368. Information Security.
This course covers the analysis, design, development, implementation, and maintenance of information security systems. Topics include legal, ethical, professional, personnel issues; risk management; technology; cryptography; and physical security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5369. Independent Study in Computer Information Systems.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in CIS and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 5370. Enterprise Resource Planning and Business Intelligence.
The use of information technology in integrating enterprises for operational control and business intelligence is examined via Enterprise Resource Planning (ERP) applications in customer relationships management, accounting, finance, purchasing, production control, sales, marketing, and human resource management. Emphasizes managerial issues surrounding the need, selection, and implementation of ERP systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5371. Accounting Information Systems and Controls.
A study of accounting information systems and controls as well as their role in the current technology-intensive business environment. Emphasis is placed on contemporary technology and applications, IT and business systems assessments, IT internal controls, control concepts and procedures, information systems auditing, and transaction cycles. Prerequisite: ACC 3313 or ACC 5361 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5378. Information Security Policies and Compliance.
This course focuses on the technology and managerial issues related to information policies, regulations, and compliance that assure confidentiality, integrity, and availability of data and computer systems. Topics include information security policy, regulations, laws, standards, framework, compliance, and governance. Prerequisite: CIS 5368 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5390C. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CIS 5395. Internship in Computer Information Systems.
This course provides students with opportunities for experiential learning by working on a computer information systems project. It enables integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CIS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Economics (ECO)

ECO 5302. Economic Theory and Policy.
An intensive study of micro-and macroeconomic concepts; the price system as it functions under competition, monopoly, monopolistic competition and oligopoly; national income measurement and determination; business cycles; money and baking; monetary policy; fiscal policy and economic stabilization. May not be counted as an elective MBA course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ECO 5310. International Economics.
Examination of the patterns of trade and finance among nations, integrating the topics of exchange rates, trade barriers, customs unions, and macroeconomics policy into a unified treatment of international economic relations. Prerequisite: B A 5353 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ECO 5316. Managerial Economics.
The application of economic theory and analysis to the formulation of business policy, including demand analysis, production theory, linear programming, and pricing policy. (MBA with Technology Emphasis students complete TECH 5315.) Prerequisite: QMST 5334 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5320. Emerging Market Economies.
The course focuses on the structural characteristics of the emerging market economies, with an emphasis on analyzing the salient economic challenges and opportunities facing contemporary emerging market economies. Prerequisites: B A 5353 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5378. Macroeconomic Theory and Policy.
An analysis of theory and policy questions relating to the rate of economic growth. The theory of national income, employment and the price level from the point of view of dynamics. Students may take either BA 5378 or BA 5316. Prerequisite: BA 5302 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Finance (FIN)

FIN 5307. Financial Analysis.
Development of the theoretical basis and presentation of the techniques for the acquisition and management of the firm's financial resources. Topics include working capital management, capital budgeting, and internal and external financing decisions. May not be counted as an MBA elective course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FIN 5322. Investment Analysis.
This course provides an introduction to the basic concepts of investments and investment management. It is designed to develop a framework within which to view the investment process in a global environment and an understanding of the institutional setting in which investment decisions are made. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5332. Portfolio Theory and Capital Markets.
This course is designed to provide students with an overview of the strategies for creating and managing portfolios. At the end of this course, students should understand the tools for investment management. Topics covered include portfolio construction and analysis, risk analysis, asset class management, derivatives, and portfolio performance analysis. Prerequisite: FIN 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5337. International Finance.
Examination of economic incentives and rationale for multinational firms,exchange rate risk exposure and management, investment decision strategy, and the general economic impact of multinational firm activity. (MULT) Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5338. International Investments and Financial Management.
Examination of economic incentives and rationale for international investment and financing. Topics include exchange rate risk exposure and management, global debt and equity investment and financing, foreign currency derivative markets, and general investment and financing strategy in global capital market. Prerequisite: B A 5352 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5347C. Real Estate Investment.
An application of capital budgeting to real estate investment decisions. Prerequisite: FIN 5387 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FIN 5387. Managerial Finance.
Concentrates on the finance function, analysis and budgeting of funds,management of current assets, short and intermediate-term financing requirements, long-term debt policy and capital structure, capital budgeting, and the concept of cost of capital. Risk and return trade-offs also are studied. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5395. Independent Study in Finance.
An in-depth study of a single topic or related problem solved through finance research. The course may be repeated once if the topic studied is different. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Management (MGT)

MGT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5301. Graduate Assistant Development.
Completion of this course is required as a condition of employment for graduate assistants. The course is seminar based and covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MGT 5310. Organizational Change Management.
Presents an overview of the process of change in an organization and stresses the key issues involved in reengineering and renewing organizations. Problems dealing with stress and conflict during major change will be explored along with practical ideas on building effective teams to make change possible and sustainable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5311. Process Improvement Management in Organizations.
Learn existing and latest developments in process improvement techniques for continuous improvement and the role of quality as a system for establishing an organization's competitive advantage. Process mapping is emphasized and assessment of effectiveness in the interactions of the managerial and technical systems of organizations is also studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5312. Seminar in Management.
Development of philosophy, strategy, and tactics in managing an enterprise. Administrative processes common to all enterprises, such as entrepreneurship, business and society, leadership and group behavior in organizations, business ethics, and international management. (Course may be repeated for credit with different course focus.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5313. Strategic Management.
An integrative approach to policy formulation and administration (decision making) to achieve organization objectives. Should be taken the last semester of student's MBA program. Prerequisite: ACC 5361 and FIN 5387 and MKT 5321 and QMST 5334 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5314. Organizational Behavior and Theory.
Organizational behavior and structure as influenced by environmental variables and system relationships. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5315. New Venture Management.
This course provides an overview of the entrepreneurial process from the initial idea through start-up, growth, and harvest. Students learn how to write a business plan, manage all the elements of an entrepreneurial business, and develop a better understanding of the requirements of the entrepreneurial life path.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5318. Cross-Cultural Management.
The global environment requires sensitivity to and the adaptation of leadership and management skills and practices, and the culture-bound differences in workplace behavior and attitudes. Explores how differences in cultural core values shape behavior and attitudes of workers, managerial colleagues, and negotiating partners. Prerequisites: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5321. Supply Chain Management.
A variety of tools and frameworks provide students and understanding of the basis behind supply chain decision making. Topics include supply management concepts, demand-supply management, pull/push system, capacity and resource allocation, performance measurement, relationship assessment, and outsourcing in an integrated supply chain. Require graduate standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5325. Managing Business Creativity.
This course focuses on the means by which businesses and individuals foster and maintain their creative and innovative skills. Key topics include: idea generation and refinement, idea screening, prototype development, and feasibility analysis. Objectives are met through classroom exercises, case analysis, guest speakers, and individual and team projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5330. Seminar in Human Resource Management.
A study of current developments and practices in human resource management, including employment laws; planning, recruitment and selection; training and development programs; wage and benefits administration; performance management, human relations and productivity; labor relations; safety and health; an current contributions to human resource management theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5333. Problems in Business Administration.
The student is here given the opportunity to work in the field of his special interest, particularly in the subjects of accounting, business law, marketing, statistics, finance, and insurance. The course will be conducted by conferences between the student and instructors concerned. Problems will be assigned as nearly as possible for the needs of the individual student.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5335. New Venture Launch.
The purpose of this class is to ensure students gain a full understanding of what it takes to start and grow a business. Students learn the process of creating a new venture from the inside by planning, organizing and launching an actual business. Prerequisite: MGT 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5336. Compensation and Benefits.
This course addresses the rewards systems in organizations. Strategic and technical considerations in designing, administering and managing compensation and benefits plans in organizations, including job analysis and evaluation, wage levels and structures, legal issues, individual and group incentives, and benefits are considered. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5337. Organizational Staffing.
A study of the methods involved in recruitment and selection of employees with an emplasis on measurement, job analysis, performance appraisal, legal issues, and the role of human resource planning and strategy. This course relies on statistics to teach students to make reliable and valid employment decisions. Prerequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5338. Human Resource Development.
A study of theoretical and applied perspectives on needs assessment, design, development delivery and evaluation of training and development as well as organizational change and development. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5339. International Human Resource Management.
A study of challenges that decision makers consider when managing their human resources across the globe. Drawing on theories and models from cross-cultural and international management areas, this course covers such topics as globalization, culture, emerging international assignments, and expatriate recruitment, selection, training, repatriation, and career management. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5375. International Management-Latin America.
A study of the cultural, economic, regulatory, and political factors impacting international business. Emphasis is placed on theory and research of management phenomena in Latin America and on issues mediating commercial and governmental relations between the United State and Latin American countries. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MGT 5380A. Business Ethics Leadership.
This course examines a variety of ethical issues in business from multiple stakeholder perspectives (top management, employees, community members, etc.). The course is designed to enhance moral awareness and facilitate individual development with respect to making ethical decisions that contribute to effective corporate management and leadership.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MGT 5380B. Human Resource Information Systems.
This course provides an overview of functional areas in an HRIS system with a focus on the acquisition of skills with respect to the software as well as knowledge regarding the implementation process, associated benefits and costs, and the application of HRIS to manage critical HRM processes. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380C. Group Dynamics in Organizations.
This course explores the theoretical framework of group interactions as well as the practical workplace challenges associated with organizing, participating on, and managing teams and groups. It addresses the development and use of teams to improve business organizations and is recommended for graduate students preparing for business careers. Prerequisite: B A 5351 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380D. Labor Relations and Negotiation.
This graduate level course is a study of labor organizations and their impact as well as negotiation and conflict resolution issues. The course will examine the National Labor Relations Act (NLRA), union and employer rights under the NLRA, union organizing, collective bargaining, negotiation, contract administration, mediation and arbitration. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380E. International Leadership.
Course will include lectures, business engagements, cultural excursions, and a service-learning project. To reinforce the theories discussed in class students will interact directly with managers, employees, and international business professionals, learn perspective on cultural and leadership issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5390. Business Research Methods.
Designed to aid graduate students in analyzing reports, evaluating research and in planning research reports. Involves the selection of research problems, sources of data, analysis, presentation, report writing, directed reading, class reports, and a research problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5391. Managing the Communication Process.
The study and application of theory and psychology of managerial communication using written, oral, and technological modes to communicate within the business environment. The course includes the process and product approach to graphics, leadership, problem solving, prioritizing, interviewing, and communicating change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5395. Graduate Business Internship.
Integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in MGT 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Marketing (MKT)

MKT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5321. Marketing Management.
A study of the planning and coordination of marketing functions, marketing policies, and the analysis of marketing administration. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5322. Marketing Research Methods.
An advanced study of the marketing research process to include problem formulation, determination of sources of information and research design, design of data collection forms, design of the sample, collection of the data, analysis and interpretation of the data, preparation of the research report, and oral presentation of the research findings. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5323. Qualitative Research in Marketing.
This course examines qualitative methods as used in marketing and market research. Topics include the design and execution of qualitative research projects using various qualitative methodological approaches. Activities include application of qualitative methods for conducting research. Students will apply learning in a qualitative research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5325. Global Marketing and the Value Chain.
To understand the value chain concept and the linkages between value chains in the global marketplace. This will include evaluating the various value chains: supplier, firm, channel, and buyer in the global context. Topics will include procurement, operations, logistics, negotiation, marketing channels, and customer service.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5330. International Marketing.
An application of marketing concepts to the global business environment. Examines marketing in the light of international economic, social, cultural, business, and environmental factors. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5331. Integrated Marketing Communications.
An analysis of consumer behavior in the marketplace and its application to the preparation and presentation of a complete integrated marketing communications plan for a local, regional, and/or national client. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5335. Services Marketing.
Services dominate the U.S. economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5340. Digital Marketing.
This course examines marketing strategies in the digital environment. It examines the latest technology and analytical tools used in e-marketing and e-commerce, including online advertising, mobile marketing, social media marketing, search marketing, email marketing, and web analytics. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5345. Marketing Analytics.
This course is a study of the scientific approach that connects customer data and competitive information to drive marketing decision-making. The course explores customer data analysis techniques and their theoretical foundations that are applied to real world business problems. Students will learn software, conduct data analysis and communicate the results. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5350. Strategic Marketing Analysis and Planning.
This course examines strategic marketing decision making through the analysis and interpretation of marketing intelligence, metrics, and dashboards. Topics will include data-driven decision making on marketing challenges pertaining to customers, brands, marketing mix decisions, online strategy and social media, market performance, and firm profitability. Prerequisite: MKT 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5395. Independent Study in Marketing.
Individual problems or topics will be designed and completed to emphasize selected areas of study in Marketing. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5397C. Technology and Marketing.
Technology & Marketing covers the impact of new information technologies on marketing and marketing industries undergoing high levels of technological change. Subject areas such as social media, e-commerce, database marketing, business-to –business marketing, and customer contact management are examined and illustrated in industry settings that emphasize innovation through new technologies. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MKT 5397D. Marketing Metrics and Analysis.
To understand the measurement, analysis, and interpretation of marketing metrics that are critical for marketing strategy development and firm performance. Topics will include metrics associated with customers, brands, marketing mix decisions, online strategy and social media, firm profitability, and marketing dashboards. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MKT 5398. Internship in Marketing.
Internship in marketing is an external employer supervised, experiential learning course that enables a student to integrate professional and graduate business coursework. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5399A. Thesis.
This course represents a student's initial thesis enrollments. No thesis credit is awarded until student has completed the thesis in Marketing Research and Analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MKT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Quantitative Methods and Statistics (QMST)

QMST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5332. Optimization.
A study of management science/operations research emphasizing theory and applications of evaluative, predictive, and optimizing models as applied to the management of product and service-oriented operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5334. Statistical Methods for Business.
The course provides the quantitative foundation for business analysis and decision making. Topics include: inferential statistics, regression analysis, and other analytical/modeling techniques with wide applicability in decision-making and problem solving in all functional areas of business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5335. Forecasting and Simulation.
This course introduces the concepts and principles of forecasting and simulation techniques as applies to planning and decision making in organizations. Topical coverage includes time series forecasting, casual forecasting, discrete event simulation, and continues-event simulation techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5336. Analytics.
This course introduces analytics which refers to the process of transforming data into information for making decisions. The topics include the introduction to analytics, visualization, analytics applications, and challenges related to business data. Students will learn how to use software, conduct data analysis and communicate their results.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5342. Probability and Statistical Models.
This course introduces the concept of probability and probability distributions. It includes general and generalized linear models, inflated and mixture models, and hierarchical models. Model validity and choice will also be discussed. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5343. Data Mining.
This course covers data mining concepts and applications of data mining techniques to solve business problems. It emphasizes algorithms such as classification, clustering, association, and text mining. Model selection and assessment are also emphasized. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5369. Independent Study in Quantitative Methods.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in quantitative methods and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5390A. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 5395. Internship in Analytics.
This course is based on experiential learning while the student works in quantitative methods and statistics. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

QMST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Business Administration (M.B.A) Major in Business Administration (Flex Engineering Technology Concentration)

Program Overview

The Master of Business Administration (M.B.A.) degree with a major in Business Administration program in the McCoy College emphasizes the knowledge and tools needed for professional success and is designed for those individuals who expect to pursue careers in the management of organizations in either the public or private sector. The curriculum provides broad-based, generalized education with the flexibility to meet individual needs. Students may choose an optional concentration in one of five areas of study in a flexible format or select a full-time cohort program. The entire Flex M.B.A. programs can be completed at either the

San Marcos or Round Rock campus while the Full-Time Cohort program is available exclusively at the San Marcos campus.

Students in the Flex M.B.A. program with a **Computer Information Systems Concentration** learn how technology has changed the way business operates and how to harness the power of technology in various business management settings.

The Flex M.B.A. with an **Engineering Technology Concentration** is offered in cooperation with the Department of Engineering Technology, an academic division of the College of Science and Engineering. M.B.A. students pursuing the Engineering Technology Concentration should find enhanced career opportunities with companies oriented significantly toward manufacturing.

Students interested in careers related to international business may choose to seek the Flex M.B.A. degree with an **International Business Concentration**. This program is designed to provide focused study in international business including cultural, historical, and political issues. While this program is available to all students in the M.B.A. program, it is especially well suited for undergraduate students in the international studies undergraduate program.

If a student's interest is the healthcare industry, the Flex M.B.A. with a **Healthcare Administration Concentration** may be for them. Offered jointly with the College of Health Professions, the program combines academic content from both colleges to prepare students for a successful career in healthcare.

For those interested in the field of human resources, a Flex M.B.A. with a **Human Resource Management Concentration** is available. This program provides information on organizational change, staffing, compensation and benefits, and international HR.

The **Full-Time Cohort** M.B.A. is offered exclusively at the San Marcos campus. In addition to the core courses, students must complete an internship and study abroad experience in a specific semester as outlined for each cohort group.

Each of the above programs require completing course work from three sets of courses:

- Courses in the first set constitute Tier 1 core courses. They are designed to give students a strong foundation in business as well as begin intensive professional development. These courses must be completed for any of the M.B.A. options selected.
- The second set of courses are the Tier 2 core courses. The purpose of the Tier 2 core courses is to ensure that all students completing a program of study have a common academic experience in all areas critical to success in a discipline. While all M.B.A. options require a similar set of Tier 2 core courses, there are some exceptions noted on the Requirements tab.
- The third set of courses for the M.B.A. options is the elective courses. In addition to the required Tier 1 and Tier 2 core courses for each M.B.A. option, the degree candidate is allowed to select a group of courses from an approved set of electives. The exact number of elective courses varies between degree options. Course requirements for each M.B.A. option are described on the Requirements tab.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- responses to specific essay questions
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two letters of recommendation from persons best able to assess the student's ability to succeed in graduate school
- official GMAT or GRE (general test only) with competitive scores. An applicant may select the Conditional Start Option. Under this option, an applicant may be considered for conditional admission if they choose not to supply a GMAT/GRE score. Applicants must meet all other admission requirements. Applicants admitted under the Conditional Start Option must earn a 'B' or better in each of the first nine hours of the program and are not eligible for graduate assistantships or scholarship/fellowships until this condition is met. If the condition is not met, the student is suspended from the program.

TOEFL or IELTS Scores

- Non-native English speakers who do not qualify for an English proficiency waiver.

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Business Administration (M.B.A.) degree with a major in Business Administration concentration in Engineering Technology requires 39 semester credit hours.

B A 5351 should be taken in the first semester and MGT 5313 should be taken in the last term because it serves as the capstone course and includes the comprehensive examination.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C

or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
B A 5100	Business Professional Development Seminar (Taken three times in different terms)	3
B A 5351	Organizational Performance and Competitive Advantage	3
B A 5352	Developing the Financial Perspective of the Firm	3
ACC 5361	Accounting Analysis for Managerial Decision Making	3
ECO 5316	Managerial Economics	3
MGT 5313	Strategic Management	3
MGT 5314	Organizational Behavior and Theory	3
MGT 5321	Supply Chain Management	3
MKT 5321	Marketing Management	3
QMST 5334	Statistical Methods for Business	3
Electives		
Choose 9 hours of advisor-approved technology electives.		9
TECH 5315	Engineering Economic Analysis	
TECH 5364	Robust Product and Process Design	
TECH 5382	Sustainability in Industrial Management	
TECH 5385	Readings in Technology	
TECH 5387	Planning Advanced Technology Facilities	
May choose other advisor-approved technology courses.		
Total Hours		39

Comprehensive Examination Requirement

The comprehensive examination consists of a consulting project with companies in the community. The exam is a written paper and oral presentation at the end of the semester, associated with capstone course MGT 5313. If the student fails, they must retake the capstone course, MGT 5313, the following term.

Students who do not successfully complete the requirements for the degree within the timelines specified will be dismissed from the program.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until

the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Business Administration: ACC (p. 886), BA (p. 888), BLAW (p. 889), CIS (p. 890), ECO (p. 891), FIN (p. 892), MGT (p. 892), MKT (p. 895), QMST (p. 896)

Courses Offered

Students must complete the appropriate background course or its equivalent before enrolling in elective courses.

Accounting (ACC)

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor's judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual's employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Business Administration (B A)

B A 5351. Organizational Performance and Competitive Advantage.
This course is designed to provide an integrative understanding of the firm. A variety of organizational models and perspectives will be incorporated to facilitate understanding of the complexities of the firm, its environments, and its relationships with stakeholders. Includes focus on case analysis issues and communication skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5352. Developing the Financial Perspective of the Firm.
Development of the theoretical basis and presentation of accounting and finance. Topics include understanding the basic elements of financial statements, the use of accounting information in decision making, and the techniques for the acquisition and management of the firm's financial resources. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5353. Understanding and Analyzing Organizational Problems.
An introduction to the concepts of economic theory and optimization, with an emphasis on developing skills in data and economic analysis to solve business problems. Coverage includes prices, costs, market structures, macroeconomic policies, and optimization. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5368A. MBA Full Time Cohort International Experience.
This course will focus on developing an understanding and analysis of issues related to business challenges in another country. Students will gain first-hand experience with the business practices, culture and economy of another country. Corequisite: MGT 5313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

B A 5396. Internship in Business Administration.
This course is based on experiential learning while the student works in business administration. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 5398. Independent Study in Business Administration.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in business administration and work independently on a specialized project. Course may be repeated with approval of associate dean for graduate programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Business Law (BLAW)

BLAW 5310. The Employment Relationship.
A study of trends in the rapidly evolving "law of workplace," with emphasis on how lawmakers attempt to balance the rights and responsibilities of employers and workers. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5333. Legal Issues of Sustainability and Responsibility.
Diverse frameworks and analytical methods underlying our understanding of sustainability are explored, including the legal aspects & impact on business, society, environment and economy. Topics include corporate governance, globalization, urbanization, energy, human population, food, natural resources, water and equity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5364. Commercial Law.
A traditional business law course which examines sales, negotiable instruments, creditor's rights and remedies, secured transactions, bankruptcy law, personal property, bailments, real property and landlord-tenant relationships. Prerequisite: BLAW 2361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5368B. Law and Ethics in the Business Environment.
An examination of the ethical dimensions of management decision-making. Problems are viewed through the lens of a value system determined, in part, by the legal system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368D. Business Dispute Administration.
Course describes civil and religious law systems, both in the U.S. and abroad, alternative dispute resolution programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368E. Environmental Law and Policy.
Course attempts to integrate the study of environmental law w/ concepts from other disciplines necessary to an assessment of the law, primarily economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368F. Business Law for Entrepreneurs.
Course explores steps that an entrepreneur who is contemplating leaving an employer can take to make the departure amicable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368G. Legal Issues in International Business.
This course examines legal issues relevant to international business transactions, emphasizing international trade, licensing of intellectual property, and foreign direct investment. Environmental, dispute resolution, labor, e-commerce, marketing, and ethical issues will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BLAW 5368I. International Business Ethics.
This course examines the legal and ethical challenges inherent in international marketing, international environmental and energy practices, international labor and employment practices, trade negotiations, foreign direct investment, intellectual property licensing, technology development, data collection mining, corporate tax inversion, and global corporate social responsibility. Students will also discuss the individual behavioral, organizational, and cultural factors that influence ethical and unethical business decisions in the global business environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Computer Information Systems (CIS)

CIS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5318. Information Technology in the Digital Economy.
Provides an understanding of the issues involved in the strategic management of the information assets of organizations. Examines the issues and challenges that users face within the Information Technology (IT) management arena as part of a firm's business and IT strategy. Focus is on managerial rather than technical issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5355. Database Management Systems.
Explores the concepts, principles, issues and techniques for managing corporate data resources using database management systems. The course includes techniques for analysis, design and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating database management software. Students will use a relational database management system to develop a management information system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5356. Business Telecommunications.
Explores the technology that is revolutionizing the manner in which business and government conduct their operations and the effects new developments in communication media have on computing systems. This course reflects the current state-of-the-art in data communication networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5357. Computing for Data Analytics.
This course focuses on fundamentals of programming. Students will learn to design and implement applications, and programmatically handle a variety of data management functionalities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5358. Agile Project Management For Business Professionals.
An in-depth study of the project management body of knowledge as applied to Information Technology with emphasis on Agile methodologies and the management of scope, costs, schedules, quality and risks. Includes program management, system methodologies, material procurement, and human, cultural, and international issues and their impact on the organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5360. E-Commerce: Strategies, Technologies, and Applications.
This course is designed to familiarize students with current and emerging e-commerce technologies. Topics include Internet technology for business advantage, reinventing the future of business through e-commerce, business opportunities in e-commerce, and social, political, global, and ethical issues associated with ecommerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5364. Data Warehousing.
Familiarizes students with current and emerging data warehousing technologies that play a strategic role in business organizations. Topics include data warehouse development life cycle, data warehouse navigation, data quality, and performance issues. Prerequisites: CIS 5355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5367. Machine Learning.
This course focuses on deriving actionable knowledge from data using algorithms and industry standard tools. It covers the complete process, key technologies, core machine learning algorithms, and programming used for business intelligence. Prerequisite: CIS 5357 and QMST 5336 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5368. Information Security.
This course covers the analysis, design, development, implementation, and maintenance of information security systems. Topics include legal, ethical, professional, personnel issues; risk management; technology; cryptography; and physical security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5369. Independent Study in Computer Information Systems.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in CIS and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 5370. Enterprise Resource Planning and Business Intelligence.
The use of information technology in integrating enterprises for operational control and business intelligence is examined via Enterprise Resource Planning (ERP) applications in customer relationships management, accounting, finance, purchasing, production control, sales, marketing, and human resource management. Emphasizes managerial issues surrounding the need, selection, and implementation of ERP systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5371. Accounting Information Systems and Controls.
A study of accounting information systems and controls as well as their role in the current technology-intensive business environment. Emphasis is placed on contemporary technology and applications, IT and business systems assessments, IT internal controls, control concepts and procedures, information systems auditing, and transaction cycles. Prerequisite: ACC 3313 or ACC 5361 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5378. Information Security Policies and Compliance.
This course focuses on the technology and managerial issues related to information policies, regulations, and compliance that assure confidentiality, integrity, and availability of data and computer systems. Topics include information security policy, regulations, laws, standards, framework, compliance, and governance. Prerequisite: CIS 5368 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5390C. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CIS 5395. Internship in Computer Information Systems.
This course provides students with opportunities for experiential learning by working on a computer information systems project. It enables integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CIS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Economics (ECO)

ECO 5302. Economic Theory and Policy.
An intensive study of micro-and macroeconomic concepts; the price system as it functions under competition, monopoly, monopolistic competition and oligopoly; national income measurement and determination; business cycles; money and baking; monetary policy; fiscal policy and economic stabilization. May not be counted as an elective MBA course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ECO 5310. International Economics.
Examination of the patterns of trade and finance among nations, integrating the topics of exchange rates, trade barriers, customs unions, and macroeconomics policy into a unified treatment of international economic relations. Prerequisite: B A 5353 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ECO 5316. Managerial Economics.
The application of economic theory and analysis to the formulation of business policy, including demand analysis, production theory, linear programming, and pricing policy. (MBA with Technology Emphasis students complete TECH 5315.) Prerequisite: QMST 5334 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5320. Emerging Market Economies.
The course focuses on the structural characteristics of the emerging market economies, with an emphasis on analyzing the salient economic challenges and opportunities facing contemporary emerging market economies. Prerequisites: B A 5353 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5378. Macroeconomic Theory and Policy.
An analysis of theory and policy questions relating to the rate of economic growth. The theory of national income, employment and the price level from the point of view of dynamics. Students may take either BA 5378 or BA 5316. Prerequisite: BA 5302 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Finance (FIN)

FIN 5307. Financial Analysis.
Development of the theoretical basis and presentation of the techniques for the acquisition and management of the firm's financial resources. Topics include working capital management, capital budgeting, and internal and external financing decisions. May not be counted as an MBA elective course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FIN 5322. Investment Analysis.
This course provides an introduction to the basic concepts of investments and investment management. It is designed to develop a framework within which to view the investment process in a global environment and an understanding of the institutional setting in which investment decisions are made. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5332. Portfolio Theory and Capital Markets.
This course is designed to provide students with an overview of the strategies for creating and managing portfolios. At the end of this course, students should understand the tools for investment management. Topics covered include portfolio construction and analysis, risk analysis, asset class management, derivatives, and portfolio performance analysis. Prerequisite: FIN 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5337. International Finance.
Examination of economic incentives and rationale for multinational firms,exchange rate risk exposure and management, investment decision strategy, and the general economic impact of multinational firm activity. (MULT) Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5338. International Investments and Financial Management.
Examination of economic incentives and rationale for international investment and financing. Topics include exchange rate risk exposure and management, global debt and equity investment and financing, foreign currency derivative markets, and general investment and financing strategy in global capital market. Prerequisite: B A 5352 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5347C. Real Estate Investment.
An application of capital budgeting to real estate investment decisions. Prerequisite: FIN 5387 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FIN 5387. Managerial Finance.
Concentrates on the finance function, analysis and budgeting of funds,management of current assets, short and intermediate-term financing requirements, long-term debt policy and capital structure, capital budgeting, and the concept of cost of capital. Risk and return trade-offs also are studied. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5395. Independent Study in Finance.
An in-depth study of a single topic or related problem solved through finance research. The course may be repeated once if the topic studied is different. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Management (MGT)

MGT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5301. Graduate Assistant Development.
Completion of this course is required as a condition of employment for graduate assistants. The course is seminar based and covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MGT 5310. Organizational Change Management.
Presents an overview of the process of change in an organization and stresses the key issues involved in reengineering and renewing organizations. Problems dealing with stress and conflict during major change will be explored along with practical ideas on building effective teams to make change possible and sustainable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5311. Process Improvement Management in Organizations.
Learn existing and latest developments in process improvement techniques for continuous improvement and the role of quality as a system for establishing an organization's competitive advantage. Process mapping is emphasized and assessment of effectiveness in the interactions of the managerial and technical systems of organizations is also studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5312. Seminar in Management.
Development of philosophy, strategy, and tactics in managing an enterprise. Administrative processes common to all enterprises, such as entrepreneurship, business and society, leadership and group behavior in organizations, business ethics, and international management. (Course may be repeated for credit with different course focus.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5313. Strategic Management.
An integrative approach to policy formulation and administration (decision making) to achieve organization objectives. Should be taken the last semester of student's MBA program. Prerequisite: ACC 5361 and FIN 5387 and MKT 5321 and QMST 5334 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5314. Organizational Behavior and Theory.
Organizational behavior and structure as influenced by environmental variables and system relationships. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5315. New Venture Management.
This course provides an overview of the entrepreneurial process from the initial idea through start-up, growth, and harvest. Students learn how to write a business plan, manage all the elements of an entrepreneurial business, and develop a better understanding of the requirements of the entrepreneurial life path.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5318. Cross-Cultural Management.
The global environment requires sensitivity to and the adaptation of leadership and management skills and practices, and the culture-bound differences in workplace behavior and attitudes. Explores how differences in cultural core values shape behavior and attitudes of workers, managerial colleagues, and negotiating partners. Prerequisites: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5321. Supply Chain Management.
A variety of tools and frameworks provide students and understanding of the basis behind supply chain decision making. Topics include supply management concepts, demand-supply management, pull/push system, capacity and resource allocation, performance measurement, relationship assessment, and outsourcing in an integrated supply chain. Require graduate standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5325. Managing Business Creativity.
This course focuses on the means by which businesses and individuals foster and maintain their creative and innovative skills. Key topics include: idea generation and refinement, idea screening, prototype development, and feasibility analysis. Objectives are met through classroom exercises, case analysis, guest speakers, and individual and team projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5330. Seminar in Human Resource Management.
A study of current developments and practices in human resource management, including employment laws; planning, recruitment and selection; training and development programs; wage and benefits administration; performance management, human relations and productivity; labor relations; safety and health; an current contributions to human resource management theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5333. Problems in Business Administration.
The student is here given the opportunity to work in the field of his special interest, particularly in the subjects of accounting, business law, marketing, statistics, finance, and insurance. The course will be conducted by conferences between the student and instructors concerned. Problems will be assigned as nearly as possible for the needs of the individual student.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5335. New Venture Launch.
The purpose of this class is to ensure students gain a full understanding of what it takes to start and grow a business. Students learn the process of creating a new venture from the inside by planning, organizing and launching an actual business. Prerequisite: MGT 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5336. Compensation and Benefits.
This course addresses the rewards systems in organizations. Strategic and technical considerations in designing, administering and managing compensation and benefits plans in organizations, including job analysis and evaluation, wage levels and structures, legal issues, individual and group incentives, and benefits are considered. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5337. Organizational Staffing.
A study of the methods involved in recruitment and selection of employees with an emplasis on measurement, job analysis, performance appraisal, legal issues, and the role of human resource planning and strategy. This course relies on statistics to teach students to make reliable and valid employment decisions. Prerequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5338. Human Resource Development.
A study of theoretical and applied perspectives on needs assessment, design, development delivery and evaluation of training and development as well as organizational change and development. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5339. International Human Resource Management.
A study of challenges that decision makers consider when managing their human resources across the globe. Drawing on theories and models from cross-cultural and international management areas, this course covers such topics as globalization, culture, emerging international assignments, and expatriate recruitment, selection, training, repatriation, and career management. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5375. International Management-Latin America.
A study of the cultural, economic, regulatory, and political factors impacting international business. Emphasis is placed on theory and research of management phenomena in Latin America and on issues mediating commercial and governmental relations between the United State and Latin American countries. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MGT 5380A. Business Ethics Leadership.
This course examines a variety of ethical issues in business from multiple stakeholder perspectives (top management, employees, community members, etc.). The course is designed to enhance moral awareness and facilitate individual development with respect to making ethical decisions that contribute to effective corporate management and leadership.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MGT 5380B. Human Resource Information Systems.
This course provides an overview of functional areas in an HRIS system with a focus on the acquisition of skills with respect to the software as well as knowledge regarding the implementation process, associated benefits and costs, and the application of HRIS to manage critical HRM processes. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380C. Group Dynamics in Organizations.
This course explores the theoretical framework of group interactions as well as the practical workplace challenges associated with organizing, participating on, and managing teams and groups. It addresses the development and use of teams to improve business organizations and is recommended for graduate students preparing for business careers. Prerequisite: B A 5351 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380D. Labor Relations and Negotiation.
This graduate level course is a study of labor organizations and their impact as well as negotiation and conflict resolution issues. The course will examine the National Labor Relations Act (NLRA), union and employer rights under the NLRA, union organizing, collective bargaining, negotiation, contract administration, mediation and arbitration. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380E. International Leadership.
Course will include lectures, business engagements, cultural excursions, and a service-learning project. To reinforce the theories discussed in class students will interact directly with managers, employees, and international business professionals, learn perspective on cultural and leadership issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5390. Business Research Methods.
Designed to aid graduate students in analyzing reports, evaluating research and in planning research reports. Involves the selection of research problems, sources of data, analysis, presentation, report writing, directed reading, class reports, and a research problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5391. Managing the Communication Process.
The study and application of theory and psychology of managerial communication using written, oral, and technological modes to communicate within the business environment. The course includes the process and product approach to graphics, leadership, problem solving, prioritizing, interviewing, and communicating change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5395. Graduate Business Internship.
Integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in MGT 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Marketing (MKT)

MKT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5321. Marketing Management.
A study of the planning and coordination of marketing functions, marketing policies, and the analysis of marketing administration. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5322. Marketing Research Methods.
An advanced study of the marketing research process to include problem formulation, determination of sources of information and research design, design of data collection forms, design of the sample, collection of the data, analysis and interpretation of the data, preparation of the research report, and oral presentation of the research findings. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5323. Qualitative Research in Marketing.
This course examines qualitative methods as used in marketing and market research. Topics include the design and execution of qualitative research projects using various qualitative methodological approaches. Activities include application of qualitative methods for conducting research. Students will apply learning in a qualitative research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5325. Global Marketing and the Value Chain.
To understand the value chain concept and the linkages between value chains in the global marketplace. This will include evaluating the various value chains: supplier, firm, channel, and buyer in the global context. Topics will include procurement, operations, logistics, negotiation, marketing channels, and customer service.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5330. International Marketing.
An application of marketing concepts to the global business environment. Examines marketing in the light of international economic, social, cultural, business, and environmental factors. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5331. Integrated Marketing Communications.
An analysis of consumer behavior in the marketplace and its application to the preparation and presentation of a complete integrated marketing communications plan for a local, regional, and/or national client. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5335. Services Marketing.
Services dominate the U.S. economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5340. Digital Marketing.
This course examines marketing strategies in the digital environment. It examines the latest technology and analytical tools used in e-marketing and e-commerce, including online advertising, mobile marketing, social media marketing, search marketing, email marketing, and web analytics. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5345. Marketing Analytics.
This course is a study of the scientific approach that connects customer data and competitive information to drive marketing decision-making. The course explores customer data analysis techniques and their theoretical foundations that are applied to real world business problems. Students will learn software, conduct data analysis and communicate the results. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5350. Strategic Marketing Analysis and Planning.
This course examines strategic marketing decision making through the analysis and interpretation of marketing intelligence, metrics, and dashboards. Topics will include data-driven decision making on marketing challenges pertaining to customers, brands, marketing mix decisions, online strategy and social media, market performance, and firm profitability. Prerequisite: MKT 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5395. Independent Study in Marketing.
Individual problems or topics will be designed and completed to emphasize selected areas of study in Marketing. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5397C. Technology and Marketing.
Technology & Marketing covers the impact of new information technologies on marketing and marketing industries undergoing high levels of technological change. Subject areas such as social media, e-commerce, database marketing, business-to –business marketing, and customer contact management are examined and illustrated in industry settings that emphasize innovation through new technologies. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MKT 5397D. Marketing Metrics and Analysis.
To understand the measurement, analysis, and interpretation of marketing metrics that are critical for marketing strategy development and firm performance. Topics will include metrics associated with customers, brands, marketing mix decisions, online strategy and social media, firm profitability, and marketing dashboards. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MKT 5398. Internship in Marketing.
Internship in marketing is an external employer supervised, experiential learning course that enables a student to integrate professional and graduate business coursework. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5399A. Thesis.
This course represents a student's initial thesis enrollments. No thesis credit is awarded until student has completed the thesis in Marketing Research and Analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MKT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Quantitative Methods and Statistics (QMST)

QMST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5332. Optimization.
A study of management science/operations research emphasizing theory and applications of evaluative, predictive, and optimizing models as applied to the management of product and service-oriented operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5334. Statistical Methods for Business.
The course provides the quantitative foundation for business analysis and decision making. Topics include: inferential statistics, regression analysis, and other analytical/modeling techniques with wide applicability in decision-making and problem solving in all functional areas of business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5335. Forecasting and Simulation.
This course introduces the concepts and principles of forecasting and simulation techniques as applies to planning and decision making in organizations. Topical coverage includes time series forecasting, casual forecasting, discrete event simulation, and continues-event simulation techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5336. Analytics.
This course introduces analytics which refers to the process of transforming data into information for making decisions. The topics include the introduction to analytics, visualization, analytics applications, and challenges related to business data. Students will learn how to use software, conduct data analysis and communicate their results.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5342. Probability and Statistical Models.
This course introduces the concept of probability and probability distributions. It includes general and generalized linear models, inflated and mixture models, and hierarchical models. Model validity and choice will also be discussed. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5343. Data Mining.
This course covers data mining concepts and applications of data mining techniques to solve business problems. It emphasizes algorithms such as classification, clustering, association, and text mining. Model selection and assessment are also emphasized. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5369. Independent Study in Quantitative Methods.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in quantitative methods and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5390A. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 5395. Internship in Analytics.
This course is based on experiential learning while the student works in quantitative methods and statistics. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

QMST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Business Administration (M.B.A) Major in Business Administration (Flex Healthcare Administration Concentration)

Program Overview

The Master of Business Administration (M.B.A.) degree with a major in Business Administration program in the McCoy College emphasizes the knowledge and tools needed for professional success and is designed for those individuals who expect to pursue careers in the management of organizations in either the public or private sector. The curriculum provides broad-based, generalized education with the flexibility to meet individual needs. Students may choose an optional concentration in one of five areas of study in a flexible format or select a full-time cohort program. The entire Flex M.B.A. programs can be completed at either the San Marcos or Round Rock campus while the Full-Time Cohort program is available exclusively at the San Marcos campus.

Students in the Flex M.B.A. program with a **Computer Information Systems Concentration** learn how technology has changed the way business operates and how to harness the power of technology in various business management settings.

The Flex M.B.A. with an **Engineering Technology Concentration** is offered in cooperation with the Department of Engineering Technology, an academic division of the College of Science and Engineering. M.B.A. students pursuing the Engineering Technology Concentration should find enhanced career opportunities with companies oriented significantly toward manufacturing.

Students interested in careers related to international business may choose to seek the Flex M.B.A. degree with an **International Business Concentration**. This program is designed to provide focused study in international business including cultural, historical, and political issues. While this program is available to all students in the M.B.A. program, it is especially well suited for undergraduate students in the international studies undergraduate program.

If a student's interest is the healthcare industry, the Flex M.B.A. with a **Healthcare Administration Concentration** may be for them. Offered jointly with the College of Health Professions, the program combines academic content from both colleges to prepare students for a successful career in healthcare.

For those interested in the field of human resources, a Flex M.B.A. with a **Human Resource Management Concentration** is available. This program provides information on organizational change, staffing, compensation and benefits, and international HR.

The **Full-Time Cohort** M.B.A. is offered exclusively at the San Marcos campus. In addition to the core courses, students must complete an internship and study abroad experience in a specific semester as outlined for each cohort group.

Each of the above programs require completing course work from three sets of courses:

- Courses in the first set constitute Tier 1 core courses. They are designed to give students a strong foundation in business as well as begin intensive professional development. These courses must be completed for any of the M.B.A. options selected.
- The second set of courses are the Tier 2 core courses. The purpose of the Tier 2 core courses is to ensure that all students completing a program of study have a common academic experience in all areas critical to success in a discipline. While all M.B.A. options require a similar set of Tier 2 core courses, there are some exceptions noted on the Requirements tab.
- The third set of courses for the M.B.A. options is the elective courses. In addition to the required Tier 1 and Tier 2 core courses for each M.B.A. option, the degree candidate is allowed to select a group of courses from an approved set of electives. The exact number of elective courses varies between degree options. Course requirements for each M.B.A. option are described on the Requirements tab.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- responses to specific essay questions
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two letters of recommendation from persons best able to assess the student's ability to succeed in graduate school
- official GMAT or GRE (general test only) with competitive scores. An applicant may select the Conditional Start Option. Under this option, an applicant may be considered for conditional admission if they choose not to supply a GMAT/GRE score. Applicants must meet all other admission requirements. Applicants admitted under the Conditional Start Option must earn a 'B' or better in each of the first nine hours of the program and are not eligible for graduate assistantships or scholarship/fellowships until this condition is met. If the condition is not met, the student is suspended from the program.

TOEFL or IELTS Scores

- Non-native English speakers who do not qualify for an English proficiency waiver.
- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading

- 19 speaking
- 18 writing

- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Business Administration (M.B.A.) degree with a major in Business Administration concentration in Healthcare Administration requires 39 semester credit hours.

B A 5351 should be taken in the first semester and MGT 5313 should be taken in the last term because it serves as the capstone course and includes the comprehensive examination.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
B A 5100	Business Professional Development Seminar (Taken three times in different terms)	3
B A 5351	Organizational Performance and Competitive Advantage	3
B A 5352	Developing the Financial Perspective of the Firm	3
ACC 5361	Accounting Analysis for Managerial Decision Making	3
ECO 5316	Managerial Economics	3
MGT 5313	Strategic Management	3
MGT 5314	Organizational Behavior and Theory	3
MGT 5321	Supply Chain Management	3
MKT 5321	Marketing Management	3
QMST 5334	Statistical Methods for Business	3
Electives		
Choose 9 hours from the following:		9
HA 5300	Healthcare Organization and Delivery	
HA 5321	Healthcare Law	
HA 5325	Health Care Quality Improvement Concepts and Tools	
HA 5334	Operational Decision Making for Healthcare Managers	
HA 5335	Public Health for Healthcare Administrators	
HA 5355	Human Resource Management in Healthcare Facilities	
HA 5356	Policy Development in Healthcare Arena	
Total Hours		39

Comprehensive Examination Requirement

The comprehensive examination consists of a consulting project with companies in the community. The exam is a written paper and oral presentation at the end of the semester, associated with capstone course MGT 5313. If the student fails, they must retake the capstone course, MGT 5313, the following term.

Students who do not successfully complete the requirements for the degree within the timelines specified will be dismissed from the program.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect

the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Business Administration: ACC (p. 900), BA (p. 903), BLAW (p. 903), CIS (p. 904), ECO (p. 906), FIN (p. 906), MGT (p. 907), MKT (p. 909), QMST (p. 911)

Courses Offered

Students must complete the appropriate background course or its equivalent before enrolling in elective courses.

Accounting (ACC)

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor's judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual's employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Business Administration (B A)

B A 5351. Organizational Performance and Competitive Advantage.
This course is designed to provide an integrative understanding of the firm. A variety of organizational models and perspectives will be incorporated to facilitate understanding of the complexities of the firm, its environments, and its relationships with stakeholders. Includes focus on case analysis issues and communication skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5352. Developing the Financial Perspective of the Firm.
Development of the theoretical basis and presentation of accounting and finance. Topics include understanding the basic elements of financial statements, the use of accounting information in decision making, and the techniques for the acquisition and management of the firm's financial resources. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5353. Understanding and Analyzing Organizational Problems.
An introduction to the concepts of economic theory and optimization, with an emphasis on developing skills in data and economic analysis to solve business problems. Coverage includes prices, costs, market structures, macroeconomic policies, and optimization. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5368A. MBA Full Time Cohort International Experience.
This course will focus on developing an understanding and analysis of issues related to business challenges in another country. Students will gain first-hand experience with the business practices, culture and economy of another country. Corequisite: MGT 5313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

B A 5396. Internship in Business Administration.
This course is based on experiential learning while the student works in business administration. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 5398. Independent Study in Business Administration.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in business administration and work independently on a specialized project. Course may be repeated with approval of associate dean for graduate programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Business Law (BLAW)

BLAW 5310. The Employment Relationship.
A study of trends in the rapidly evolving "law of workplace," with emphasis on how lawmakers attempt to balance the rights and responsibilities of employers and workers. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5333. Legal Issues of Sustainability and Responsibility.
Diverse frameworks and analytical methods underlying our understanding of sustainability are explored, including the legal aspects & impact on business, society, environment and economy. Topics include corporate governance, globalization, urbanization, energy, human population, food, natural resources, water and equity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5364. Commercial Law.
A traditional business law course which examines sales, negotiable instruments, creditor's rights and remedies, secured transactions, bankruptcy law, personal property, bailments, real property and landlord-tenant relationships. Prerequisite: BLAW 2361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5368B. Law and Ethics in the Business Environment.
An examination of the ethical dimensions of management decision-making. Problems are viewed through the lens of a value system determined, in part, by the legal system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368D. Business Dispute Administration.
Course describes civil and religious law systems, both in the U.S. and abroad, alternative dispute resolution programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368E. Environmental Law and Policy.
Course attempts to integrate the study of environmental law w/ concepts from other disciplines necessary to an assessment of the law, primarily economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368F. Business Law for Entrepreneurs.
Course explores steps that an entrepreneur who is contemplating leaving an employer can take to make the departure amicable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368G. Legal Issues in International Business.
This course examines legal issues relevant to international business transactions, emphasizing international trade, licensing of intellectual property, and foreign direct investment. Environmental, dispute resolution, labor, e-commerce, marketing, and ethical issues will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BLAW 5368I. International Business Ethics.
This course examines the legal and ethical challenges inherent in international marketing, international environmental and energy practices, international labor and employment practices, trade negotiations, foreign direct investment, intellectual property licensing, technology development, data collection mining, corporate tax inversion, and global corporate social responsibility. Students will also discuss the individual behavioral, organizational, and cultural factors that influence ethical and unethical business decisions in the global business environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Computer Information Systems (CIS)

CIS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5318. Information Technology in the Digital Economy.
Provides an understanding of the issues involved in the strategic management of the information assets of organizations. Examines the issues and challenges that users face within the Information Technology (IT) management arena as part of a firm's business and IT strategy. Focus is on managerial rather than technical issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5355. Database Management Systems.
Explores the concepts, principles, issues and techniques for managing corporate data resources using database management systems. The course includes techniques for analysis, design and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating database management software. Students will use a relational database management system to develop a management information system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5356. Business Telecommunications.
Explores the technology that is revolutionizing the manner in which business and government conduct their operations and the effects new developments in communication media have on computing systems. This course reflects the current state-of-the-art in data communication networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5357. Computing for Data Analytics.
This course focuses on fundamentals of programming. Students will learn to design and implement applications, and programmatically handle a variety of data management functionalities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5358. Agile Project Management For Business Professionals.
An in-depth study of the project management body of knowledge as applied to Information Technology with emphasis on Agile methodologies and the management of scope, costs, schedules, quality and risks. Includes program management, system methodologies, material procurement, and human, cultural, and international issues and their impact on the organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5360. E-Commerce: Strategies, Technologies, and Applications.
This course is designed to familiarize students with current and emerging e-commerce technologies. Topics include Internet technology for business advantage, reinventing the future of business through e-commerce, business opportunities in e-commerce, and social, political, global, and ethical issues associated with ecommerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5364. Data Warehousing.
Familiarizes students with current and emerging data warehousing technologies that play a strategic role in business organizations. Topics include data warehouse development life cycle, data warehouse navigation, data quality, and performance issues. Prerequisites: CIS 5355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5367. Machine Learning.
This course focuses on deriving actionable knowledge from data using algorithms and industry standard tools. It covers the complete process, key technologies, core machine learning algorithms, and programming used for business intelligence. Prerequisite: CIS 5357 and QMST 5336 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5368. Information Security.
This course covers the analysis, design, development, implementation, and maintenance of information security systems. Topics include legal, ethical, professional, personnel issues; risk management; technology; cryptography; and physical security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5369. Independent Study in Computer Information Systems.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in CIS and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 5370. Enterprise Resource Planning and Business Intelligence.
The use of information technology in integrating enterprises for operational control and business intelligence is examined via Enterprise Resource Planning (ERP) applications in customer relationships management, accounting, finance, purchasing, production control, sales, marketing, and human resource management. Emphasizes managerial issues surrounding the need, selection, and implementation of ERP systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5371. Accounting Information Systems and Controls.
A study of accounting information systems and controls as well as their role in the current technology-intensive business environment. Emphasis is placed on contemporary technology and applications, IT and business systems assessments, IT internal controls, control concepts and procedures, information systems auditing, and transaction cycles. Prerequisite: ACC 3313 or ACC 5361 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5378. Information Security Policies and Compliance.
This course focuses on the technology and managerial issues related to information policies, regulations, and compliance that assure confidentiality, integrity, and availability of data and computer systems. Topics include information security policy, regulations, laws, standards, framework, compliance, and governance. Prerequisite: CIS 5368 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5390C. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CIS 5395. Internship in Computer Information Systems.
This course provides students with opportunities for experiential learning by working on a computer information systems project. It enables integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CIS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Economics (ECO)

ECO 5302. Economic Theory and Policy.
An intensive study of micro-and macroeconomic concepts; the price system as it functions under competition, monopoly, monopolistic competition and oligopoly; national income measurement and determination; business cycles; money and baking; monetary policy; fiscal policy and economic stabilization. May not be counted as an elective MBA course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ECO 5310. International Economics.
Examination of the patterns of trade and finance among nations, integrating the topics of exchange rates, trade barriers, customs unions, and macroeconomics policy into a unified treatment of international economic relations. Prerequisite: B A 5353 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ECO 5316. Managerial Economics.
The application of economic theory and analysis to the formulation of business policy, including demand analysis, production theory, linear programming, and pricing policy. (MBA with Technology Emphasis students complete TECH 5315.) Prerequisite: QMST 5334 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5320. Emerging Market Economies.
The course focuses on the structural characteristics of the emerging market economies, with an emphasis on analyzing the salient economic challenges and opportunities facing contemporary emerging market economies. Prerequisites: B A 5353 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5378. Macroeconomic Theory and Policy.
An analysis of theory and policy questions relating to the rate of economic growth. The theory of national income, employment and the price level from the point of view of dynamics. Students may take either BA 5378 or BA 5316. Prerequisite: BA 5302 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Finance (FIN)

FIN 5307. Financial Analysis.
Development of the theoretical basis and presentation of the techniques for the acquisition and management of the firm's financial resources. Topics include working capital management, capital budgeting, and internal and external financing decisions. May not be counted as an MBA elective course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FIN 5322. Investment Analysis.
This course provides an introduction to the basic concepts of investments and investment management. It is designed to develop a framework within which to view the investment process in a global environment and an understanding of the institutional setting in which investment decisions are made. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5332. Portfolio Theory and Capital Markets.
This course is designed to provide students with an overview of the strategies for creating and managing portfolios. At the end of this course, students should understand the tools for investment management. Topics covered include portfolio construction and analysis, risk analysis, asset class management, derivatives, and portfolio performance analysis. Prerequisite: FIN 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5337. International Finance.
Examination of economic incentives and rationale for multinational firms,exchange rate risk exposure and management, investment decision strategy, and the general economic impact of multinational firm activity. (MULT) Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5338. International Investments and Financial Management.
Examination of economic incentives and rationale for international investment and financing. Topics include exchange rate risk exposure and management, global debt and equity investment and financing, foreign currency derivative markets, and general investment and financing strategy in global capital market. Prerequisite: B A 5352 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5347C. Real Estate Investment.
An application of capital budgeting to real estate investment decisions. Prerequisite: FIN 5387 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FIN 5387. Managerial Finance.
Concentrates on the finance function, analysis and budgeting of funds,management of current assets, short and intermediate-term financing requirements, long-term debt policy and capital structure, capital budgeting, and the concept of cost of capital. Risk and return trade-offs also are studied. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5395. Independent Study in Finance.
An in-depth study of a single topic or related problem solved through finance research. The course may be repeated once if the topic studied is different. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Management (MGT)

MGT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5301. Graduate Assistant Development.
Completion of this course is required as a condition of employment for graduate assistants. The course is seminar based and covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MGT 5310. Organizational Change Management.
Presents an overview of the process of change in an organization and stresses the key issues involved in reengineering and renewing organizations. Problems dealing with stress and conflict during major change will be explored along with practical ideas on building effective teams to make change possible and sustainable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5311. Process Improvement Management in Organizations.
Learn existing and latest developments in process improvement techniques for continuous improvement and the role of quality as a system for establishing an organization's competitive advantage. Process mapping is emphasized and assessment of effectiveness in the interactions of the managerial and technical systems of organizations is also studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5312. Seminar in Management.
Development of philosophy, strategy, and tactics in managing an enterprise. Administrative processes common to all enterprises, such as entrepreneurship, business and society, leadership and group behavior in organizations, business ethics, and international management. (Course may be repeated for credit with different course focus.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5313. Strategic Management.
An integrative approach to policy formulation and administration (decision making) to achieve organization objectives. Should be taken the last semester of student's MBA program. Prerequisite: ACC 5361 and FIN 5387 and MKT 5321 and QMST 5334 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5314. Organizational Behavior and Theory.
Organizational behavior and structure as influenced by environmental variables and system relationships. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5315. New Venture Management.
This course provides an overview of the entrepreneurial process from the initial idea through start-up, growth, and harvest. Students learn how to write a business plan, manage all the elements of an entrepreneurial business, and develop a better understanding of the requirements of the entrepreneurial life path.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5318. Cross-Cultural Management.
The global environment requires sensitivity to and the adaptation of leadership and management skills and practices, and the culture-bound differences in workplace behavior and attitudes. Explores how differences in cultural core values shape behavior and attitudes of workers, managerial colleagues, and negotiating partners. Prerequisites: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5321. Supply Chain Management.
A variety of tools and frameworks provide students and understanding of the basis behind supply chain decision making. Topics include supply management concepts, demand-supply management, pull/push system, capacity and resource allocation, performance measurement, relationship assessment, and outsourcing in an integrated supply chain. Require graduate standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5325. Managing Business Creativity.
This course focuses on the means by which businesses and individuals foster and maintain their creative and innovative skills. Key topics include: idea generation and refinement, idea screening, prototype development, and feasibility analysis. Objectives are met through classroom exercises, case analysis, guest speakers, and individual and team projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5330. Seminar in Human Resource Management.
A study of current developments and practices in human resource management, including employment laws; planning, recruitment and selection; training and development programs; wage and benefits administration; performance management, human relations and productivity; labor relations; safety and health; an current contributions to human resource management theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5333. Problems in Business Administration.
The student is here given the opportunity to work in the field of his special interest, particularly in the subjects of accounting, business law, marketing, statistics, finance, and insurance. The course will be conducted by conferences between the student and instructors concerned. Problems will be assigned as nearly as possible for the needs of the individual student.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5335. New Venture Launch.
The purpose of this class is to ensure students gain a full understanding of what it takes to start and grow a business. Students learn the process of creating a new venture from the inside by planning, organizing and launching an actual business. Prerequisite: MGT 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5336. Compensation and Benefits.
This course addresses the rewards systems in organizations. Strategic and technical considerations in designing, administering and managing compensation and benefits plans in organizations, including job analysis and evaluation, wage levels and structures, legal issues, individual and group incentives, and benefits are considered. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5337. Organizational Staffing.
A study of the methods involved in recruitment and selection of employees with an emplasis on measurement, job analysis, performance appraisal, legal issues, and the role of human resource planning and strategy. This course relies on statistics to teach students to make reliable and valid employment decisions. Prerequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5338. Human Resource Development.
A study of theoretical and applied perspectives on needs assessment, design, development delivery and evaluation of training and development as well as organizational change and development. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5339. International Human Resource Management.
A study of challenges that decision makers consider when managing their human resources across the globe. Drawing on theories and models from cross-cultural and international management areas, this course covers such topics as globalization, culture, emerging international assignments, and expatriate recruitment, selection, training, repatriation, and career management. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5375. International Management-Latin America.
A study of the cultural, economic, regulatory, and political factors impacting international business. Emphasis is placed on theory and research of management phenomena in Latin America and on issues mediating commercial and governmental relations between the United State and Latin American countries. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MGT 5380A. Business Ethics Leadership.
This course examines a variety of ethical issues in business from multiple stakeholder perspectives (top management, employees, community members, etc.). The course is designed to enhance moral awareness and facilitate individual development with respect to making ethical decisions that contribute to effective corporate management and leadership.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MGT 5380B. Human Resource Information Systems.
This course provides an overview of functional areas in an HRIS system with a focus on the acquisition of skills with respect to the software as well as knowledge regarding the implementation process, associated benefits and costs, and the application of HRIS to manage critical HRM processes. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380C. Group Dynamics in Organizations.
This course explores the theoretical framework of group interactions as well as the practical workplace challenges associated with organizing, participating on, and managing teams and groups. It addresses the development and use of teams to improve business organizations and is recommended for graduate students preparing for business careers. Prerequisite: B A 5351 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380D. Labor Relations and Negotiation.
This graduate level course is a study of labor organizations and their impact as well as negotiation and conflict resolution issues. The course will examine the National Labor Relations Act (NLRA), union and employer rights under the NLRA, union organizing, collective bargaining, negotiation, contract administration, mediation and arbitration. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380E. International Leadership.
Course will include lectures, business engagements, cultural excursions, and a service-learning project. To reinforce the theories discussed in class students will interact directly with managers, employees, and international business professionals, learn perspective on cultural and leadership issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5390. Business Research Methods.
Designed to aid graduate students in analyzing reports, evaluating research and in planning research reports. Involves the selection of research problems, sources of data, analysis, presentation, report writing, directed reading, class reports, and a research problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5391. Managing the Communication Process.
The study and application of theory and psychology of managerial communication using written, oral, and technological modes to communicate within the business environment. The course includes the process and product approach to graphics, leadership, problem solving, prioritizing, interviewing, and communicating change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5395. Graduate Business Internship.
Integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in MGT 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Marketing (MKT)

MKT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5321. Marketing Management.
A study of the planning and coordination of marketing functions, marketing policies, and the analysis of marketing administration. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5322. Marketing Research Methods.
An advanced study of the marketing research process to include problem formulation, determination of sources of information and research design, design of data collection forms, design of the sample, collection of the data, analysis and interpretation of the data, preparation of the research report, and oral presentation of the research findings. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5323. Qualitative Research in Marketing.
This course examines qualitative methods as used in marketing and market research. Topics include the design and execution of qualitative research projects using various qualitative methodological approaches. Activities include application of qualitative methods for conducting research. Students will apply learning in a qualitative research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5325. Global Marketing and the Value Chain.
To understand the value chain concept and the linkages between value chains in the global marketplace. This will include evaluating the various value chains: supplier, firm, channel, and buyer in the global context. Topics will include procurement, operations, logistics, negotiation, marketing channels, and customer service.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5330. International Marketing.
An application of marketing concepts to the global business environment. Examines marketing in the light of international economic, social, cultural, business, and environmental factors. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5331. Integrated Marketing Communications.
An analysis of consumer behavior in the marketplace and its application to the preparation and presentation of a complete integrated marketing communications plan for a local, regional, and/or national client. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5335. Services Marketing.
Services dominate the U.S. economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5340. Digital Marketing.
This course examines marketing strategies in the digital environment. It examines the latest technology and analytical tools used in e-marketing and e-commerce, including online advertising, mobile marketing, social media marketing, search marketing, email marketing, and web analytics. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5345. Marketing Analytics.
This course is a study of the scientific approach that connects customer data and competitive information to drive marketing decision-making. The course explores customer data analysis techniques and their theoretical foundations that are applied to real world business problems. Students will learn software, conduct data analysis and communicate the results. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5350. Strategic Marketing Analysis and Planning.
This course examines strategic marketing decision making through the analysis and interpretation of marketing intelligence, metrics, and dashboards. Topics will include data-driven decision making on marketing challenges pertaining to customers, brands, marketing mix decisions, online strategy and social media, market performance, and firm profitability. Prerequisite: MKT 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5395. Independent Study in Marketing.
Individual problems or topics will be designed and completed to emphasize selected areas of study in Marketing. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5397C. Technology and Marketing.
Technology & Marketing covers the impact of new information technologies on marketing and marketing industries undergoing high levels of technological change. Subject areas such as social media, e-commerce, database marketing, business-to –business marketing, and customer contact management are examined and illustrated in industry settings that emphasize innovation through new technologies. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MKT 5397D. Marketing Metrics and Analysis.
To understand the measurement, analysis, and interpretation of marketing metrics that are critical for marketing strategy development and firm performance. Topics will include metrics associated with customers, brands, marketing mix decisions, online strategy and social media, firm profitability, and marketing dashboards. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MKT 5398. Internship in Marketing.
Internship in marketing is an external employer supervised, experiential learning course that enables a student to integrate professional and graduate business coursework. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5399A. Thesis.
This course represents a student's initial thesis enrollments. No thesis credit is awarded until student has completed the thesis in Marketing Research and Analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MKT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Quantitative Methods and Statistics (QMST)

QMST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5332. Optimization.
A study of management science/operations research emphasizing theory and applications of evaluative, predictive, and optimizing models as applied to the management of product and service-oriented operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5334. Statistical Methods for Business.
The course provides the quantitative foundation for business analysis and decision making. Topics include: inferential statistics, regression analysis, and other analytical/modeling techniques with wide applicability in decision-making and problem solving in all functional areas of business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5335. Forecasting and Simulation.
This course introduces the concepts and principles of forecasting and simulation techniques as applies to planning and decision making in organizations. Topical coverage includes time series forecasting, casual forecasting, discrete event simulation, and continues-event simulation techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5336. Analytics.
This course introduces analytics which refers to the process of transforming data into information for making decisions. The topics include the introduction to analytics, visualization, analytics applications, and challenges related to business data. Students will learn how to use software, conduct data analysis and communicate their results.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5342. Probability and Statistical Models.
This course introduces the concept of probability and probability distributions. It includes general and generalized linear models, inflated and mixture models, and hierarchical models. Model validity and choice will also be discussed. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5343. Data Mining.
This course covers data mining concepts and applications of data mining techniques to solve business problems. It emphasizes algorithms such as classification, clustering, association, and text mining. Model selection and assessment are also emphasized. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5369. Independent Study in Quantitative Methods.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in quantitative methods and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5390A. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 5395. Internship in Analytics.
This course is based on experiential learning while the student works in quantitative methods and statistics. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

QMST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Business Administration (M.B.A) Major in Business Administration (Flex Human Resource Management Concentration)

Program Overview

The Master of Business Administration (M.B.A.) degree with a major in Business Administration program in the McCoy College emphasizes the knowledge and tools needed for professional success and is designed for those individuals who expect to pursue careers in the management of organizations in either the public or private sector. The curriculum provides broad-based, generalized education with the flexibility to meet individual needs. Students may choose an optional concentration in one of five areas of study in a flexible format or select a full-time cohort program. The entire Flex M.B.A. programs can be completed at either the San Marcos or Round Rock campus while the Full-Time Cohort program is available exclusively at the San Marcos campus.

Students in the Flex M.B.A. program with a **Computer Information Systems Concentration** learn how technology has changed the way business operates and how to harness the power of technology in various business management settings.

The Flex M.B.A. with an **Engineering Technology Concentration** is offered in cooperation with the Department of Engineering Technology, an academic division of the College of Science and Engineering. M.B.A. students pursuing the Engineering Technology Concentration should find enhanced career opportunities with companies oriented significantly toward manufacturing.

Students interested in careers related to international business may choose to seek the Flex M.B.A. degree with an **International Business Concentration**. This program is designed to provide focused study in international business including cultural, historical, and political issues. While this program is available to all students in the M.B.A. program, it is especially well suited for undergraduate students in the international studies undergraduate program.

If a student's interest is the healthcare industry, the Flex M.B.A. with a **Healthcare Administration Concentration** may be for them. Offered jointly with the College of Health Professions, the program combines academic content from both colleges to prepare students for a successful career in healthcare.

For those interested in the field of human resources, a Flex M.B.A. with a **Human Resource Management Concentration** is available. This program provides information on organizational change, staffing, compensation and benefits, and international HR.

The **Full-Time Cohort** M.B.A. is offered exclusively at the San Marcos campus. In addition to the core courses, students must complete an internship and study abroad experience in a specific semester as outlined for each cohort group.

Each of the above programs require completing course work from three sets of courses:

- Courses in the first set constitute Tier 1 core courses. They are designed to give students a strong foundation in business as well as begin intensive professional development. These courses must be completed for any of the M.B.A. options selected.
- The second set of courses are the Tier 2 core courses. The purpose of the Tier 2 core courses is to ensure that all students completing a program of study have a common academic experience in all areas critical to success in a discipline. While all M.B.A. options require a similar set of Tier 2 core courses, there are some exceptions noted on the Requirements tab.
- The third set of courses for the M.B.A. options is the elective courses. In addition to the required Tier 1 and Tier 2 core courses for each M.B.A. option, the degree candidate is allowed to select a group of courses from an approved set of electives. The exact number of elective courses varies between degree options. Course requirements for each M.B.A. option are described on the Requirements tab.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes

to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- responses to specific essay questions
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two letters of recommendation from persons best able to assess the student's ability to succeed in graduate school
- official GMAT or GRE (general test only) with competitive scores. An applicant may select the Conditional Start Option. Under this option, an applicant may be considered for conditional admission if they choose not to supply a GMAT/GRE score. Applicants must meet all other admission requirements. Applicants admitted under the Conditional Start Option must earn a 'B' or better in each of the first nine hours of the program and are not eligible for graduate assistantships or scholarship/fellowships until this condition is met. If the condition is not met, the student is suspended from the program.

TOEFL or IELTS Scores

- Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Business Administration (M.B.A.) degree with a major in Business Administration concentration in Human Resource Management requires 39 semester credit hours.

B A 5351 should be taken in the first semester and MGT 5313 should be taken in the last term because it serves as the capstone course and includes the comprehensive examination.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
B A 5100	Business Professional Development Seminar (Taken three times in different terms)	3
B A 5351	Organizational Performance and Competitive Advantage	3
B A 5352	Developing the Financial Perspective of the Firm	3
ACC 5361	Accounting Analysis for Managerial Decision Making	3
ECO 5316	Managerial Economics	3
MGT 5313	Strategic Management	3
MGT 5314	Organizational Behavior and Theory	3
MGT 5321	Supply Chain Management	3
MKT 5321	Marketing Management	3
QMST 5334	Statistical Methods for Business	3
Electives		
MGT 5330	Seminar in Human Resource Management	3
Choose 6 hours from the following:		6
MGT 5336	Compensation and Benefits	
MGT 5337	Organizational Staffing	
MGT 5338	Human Resource Development	
MGT 5339	International Human Resource Management	
BLAW 5310	The Employment Relationship	
MGT 5310	Organizational Change Management	
Total Hours		39

Comprehensive Examination Requirement

The comprehensive examination consists of a consulting project with companies in the community. The exam is a written paper and oral presentation at the end of the semester, associated with capstone course MGT 5313. If the student fails, they must retake the capstone course, MGT 5313, the following term.

Students who do not successfully complete the requirements for the degree within the timelines specified will be dismissed from the program.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Business Administration: ACC (p. 915), BA (p. 917), BLAW (p. 917), CIS (p. 918), ECO (p. 920), FIN (p. 920), MGT (p. 921), MKT (p. 923), QMST (p. 925)

Courses Offered

Students must complete the appropriate background course or its equivalent before enrolling in elective courses.

Accounting (ACC)

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor's judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual's employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Business Administration (B A)

B A 5351. Organizational Performance and Competitive Advantage.
This course is designed to provide an integrative understanding of the firm. A variety of organizational models and perspectives will be incorporated to facilitate understanding of the complexities of the firm, its environments, and its relationships with stakeholders. Includes focus on case analysis issues and communication skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5352. Developing the Financial Perspective of the Firm.
Development of the theoretical basis and presentation of accounting and finance. Topics include understanding the basic elements of financial statements, the use of accounting information in decision making, and the techniques for the acquisition and management of the firm's financial resources. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5353. Understanding and Analyzing Organizational Problems.
An introduction to the concepts of economic theory and optimization, with an emphasis on developing skills in data and economic analysis to solve business problems. Coverage includes prices, costs, market structures, macroeconomic policies, and optimization. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5368A. MBA Full Time Cohort International Experience.
This course will focus on developing an understanding and analysis of issues related to business challenges in another country. Students will gain first-hand experience with the business practices, culture and economy of another country. Corequisite: MGT 5313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

B A 5396. Internship in Business Administration.
This course is based on experiential learning while the student works in business administration. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 5398. Independent Study in Business Administration.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in business administration and work independently on a specialized project. Course may be repeated with approval of associate dean for graduate programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Business Law (BLAW)

BLAW 5310. The Employment Relationship.
A study of trends in the rapidly evolving "law of workplace," with emphasis on how lawmakers attempt to balance the rights and responsibilities of employers and workers. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5333. Legal Issues of Sustainability and Responsibility.
Diverse frameworks and analytical methods underlying our understanding of sustainability are explored, including the legal aspects & impact on business, society, environment and economy. Topics include corporate governance, globalization, urbanization, energy, human population, food, natural resources, water and equity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5364. Commercial Law.
A traditional business law course which examines sales, negotiable instruments, creditor's rights and remedies, secured transactions, bankruptcy law, personal property, bailments, real property and landlord-tenant relationships. Prerequisite: BLAW 2361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5368B. Law and Ethics in the Business Environment.
An examination of the ethical dimensions of management decision-making. Problems are viewed through the lens of a value system determined, in part, by the legal system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368D. Business Dispute Administration.
Course describes civil and religious law systems, both in the U.S. and abroad, alternative dispute resolution programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368E. Environmental Law and Policy.
Course attempts to integrate the study of environmental law w/ concepts from other disciplines necessary to an assessment of the law, primarily economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368F. Business Law for Entrepreneurs.
Course explores steps that an entrepreneur who is contemplating leaving an employer can take to make the departure amicable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368G. Legal Issues in International Business.
This course examines legal issues relevant to international business transactions, emphasizing international trade, licensing of intellectual property, and foreign direct investment. Environmental, dispute resolution, labor, e-commerce, marketing, and ethical issues will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BLAW 5368I. International Business Ethics.
This course examines the legal and ethical challenges inherent in international marketing, international environmental and energy practices, international labor and employment practices, trade negotiations, foreign direct investment, intellectual property licensing, technology development, data collection mining, corporate tax inversion, and global corporate social responsibility. Students will also discuss the individual behavioral, organizational, and cultural factors that influence ethical and unethical business decisions in the global business environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Computer Information Systems (CIS)

CIS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5318. Information Technology in the Digital Economy.
Provides an understanding of the issues involved in the strategic management of the information assets of organizations. Examines the issues and challenges that users face within the Information Technology (IT) management arena as part of a firm's business and IT strategy. Focus is on managerial rather than technical issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5355. Database Management Systems.
Explores the concepts, principles, issues and techniques for managing corporate data resources using database management systems. The course includes techniques for analysis, design and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating database management software. Students will use a relational database management system to develop a management information system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5356. Business Telecommunications.
Explores the technology that is revolutionizing the manner in which business and government conduct their operations and the effects new developments in communication media have on computing systems. This course reflects the current state-of-the-art in data communication networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5357. Computing for Data Analytics.
This course focuses on fundamentals of programming. Students will learn to design and implement applications, and programmatically handle a variety of data management functionalities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5358. Agile Project Management For Business Professionals.
An in-depth study of the project management body of knowledge as applied to Information Technology with emphasis on Agile methodologies and the management of scope, costs, schedules, quality and risks. Includes program management, system methodologies, material procurement, and human, cultural, and international issues and their impact on the organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5360. E-Commerce: Strategies, Technologies, and Applications.
This course is designed to familiarize students with current and emerging e-commerce technologies. Topics include Internet technology for business advantage, reinventing the future of business through e-commerce, business opportunities in e-commerce, and social, political, global, and ethical issues associated with ecommerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5364. Data Warehousing.
Familiarizes students with current and emerging data warehousing technologies that play a strategic role in business organizations. Topics include data warehouse development life cycle, data warehouse navigation, data quality, and performance issues. Prerequisites: CIS 5355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5367. Machine Learning.
This course focuses on deriving actionable knowledge from data using algorithms and industry standard tools. It covers the complete process, key technologies, core machine learning algorithms, and programming used for business intelligence. Prerequisite: CIS 5357 and QMST 5336 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5368. Information Security.
This course covers the analysis, design, development, implementation, and maintenance of information security systems. Topics include legal, ethical, professional, personnel issues; risk management; technology; cryptography; and physical security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5369. Independent Study in Computer Information Systems.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in CIS and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 5370. Enterprise Resource Planning and Business Intelligence.
The use of information technology in integrating enterprises for operational control and business intelligence is examined via Enterprise Resource Planning (ERP) applications in customer relationships management, accounting, finance, purchasing, production control, sales, marketing, and human resource management. Emphasizes managerial issues surrounding the need, selection, and implementation of ERP systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5371. Accounting Information Systems and Controls.
A study of accounting information systems and controls as well as their role in the current technology-intensive business environment. Emphasis is placed on contemporary technology and applications, IT and business systems assessments, IT internal controls, control concepts and procedures, information systems auditing, and transaction cycles. Prerequisite: ACC 3313 or ACC 5361 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5378. Information Security Policies and Compliance.
This course focuses on the technology and managerial issues related to information policies, regulations, and compliance that assure confidentiality, integrity, and availability of data and computer systems. Topics include information security policy, regulations, laws, standards, framework, compliance, and governance. Prerequisite: CIS 5368 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5390C. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CIS 5395. Internship in Computer Information Systems.
This course provides students with opportunities for experiential learning by working on a computer information systems project. It enables integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CIS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Economics (ECO)

ECO 5302. Economic Theory and Policy.
An intensive study of micro-and macroeconomic concepts; the price system as it functions under competition, monopoly, monopolistic competition and oligopoly; national income measurement and determination; business cycles; money and baking; monetary policy; fiscal policy and economic stabilization. May not be counted as an elective MBA course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ECO 5310. International Economics.
Examination of the patterns of trade and finance among nations, integrating the topics of exchange rates, trade barriers, customs unions, and macroeconomics policy into a unified treatment of international economic relations. Prerequisite: B A 5353 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ECO 5316. Managerial Economics.
The application of economic theory and analysis to the formulation of business policy, including demand analysis, production theory, linear programming, and pricing policy. (MBA with Technology Emphasis students complete TECH 5315.) Prerequisite: QMST 5334 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5320. Emerging Market Economies.
The course focuses on the structural characteristics of the emerging market economies, with an emphasis on analyzing the salient economic challenges and opportunities facing contemporary emerging market economies. Prerequisites: B A 5353 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5378. Macroeconomic Theory and Policy.
An analysis of theory and policy questions relating to the rate of economic growth. The theory of national income, employment and the price level from the point of view of dynamics. Students may take either BA 5378 or BA 5316. Prerequisite: BA 5302 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Finance (FIN)

FIN 5307. Financial Analysis.
Development of the theoretical basis and presentation of the techniques for the acquisition and management of the firm's financial resources. Topics include working capital management, capital budgeting, and internal and external financing decisions. May not be counted as an MBA elective course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FIN 5322. Investment Analysis.
This course provides an introduction to the basic concepts of investments and investment management. It is designed to develop a framework within which to view the investment process in a global environment and an understanding of the institutional setting in which investment decisions are made. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5332. Portfolio Theory and Capital Markets.
This course is designed to provide students with an overview of the strategies for creating and managing portfolios. At the end of this course, students should understand the tools for investment management. Topics covered include portfolio construction and analysis, risk analysis, asset class management, derivatives, and portfolio performance analysis. Prerequisite: FIN 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5337. International Finance.
Examination of economic incentives and rationale for multinational firms,exchange rate risk exposure and management, investment decision strategy, and the general economic impact of multinational firm activity. (MULT) Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5338. International Investments and Financial Management.
Examination of economic incentives and rationale for international investment and financing. Topics include exchange rate risk exposure and management, global debt and equity investment and financing, foreign currency derivative markets, and general investment and financing strategy in global capital market. Prerequisite: B A 5352 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5347C. Real Estate Investment.
An application of capital budgeting to real estate investment decisions. Prerequisite: FIN 5387 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FIN 5387. Managerial Finance.
Concentrates on the finance function, analysis and budgeting of funds,management of current assets, short and intermediate-term financing requirements, long-term debt policy and capital structure, capital budgeting, and the concept of cost of capital. Risk and return trade-offs also are studied. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5395. Independent Study in Finance.
An in-depth study of a single topic or related problem solved through finance research. The course may be repeated once if the topic studied is different. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Management (MGT)

MGT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5301. Graduate Assistant Development.
Completion of this course is required as a condition of employment for graduate assistants. The course is seminar based and covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MGT 5310. Organizational Change Management.
Presents an overview of the process of change in an organization and stresses the key issues involved in reengineering and renewing organizations. Problems dealing with stress and conflict during major change will be explored along with practical ideas on building effective teams to make change possible and sustainable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5311. Process Improvement Management in Organizations.
Learn existing and latest developments in process improvement techniques for continuous improvement and the role of quality as a system for establishing an organization's competitive advantage. Process mapping is emphasized and assessment of effectiveness in the interactions of the managerial and technical systems of organizations is also studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5312. Seminar in Management.
Development of philosophy, strategy, and tactics in managing an enterprise. Administrative processes common to all enterprises, such as entrepreneurship, business and society, leadership and group behavior in organizations, business ethics, and international management. (Course may be repeated for credit with different course focus.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5313. Strategic Management.
An integrative approach to policy formulation and administration (decision making) to achieve organization objectives. Should be taken the last semester of student's MBA program. Prerequisite: ACC 5361 and FIN 5387 and MKT 5321 and QMST 5334 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5314. Organizational Behavior and Theory.
Organizational behavior and structure as influenced by environmental variables and system relationships. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5315. New Venture Management.
This course provides an overview of the entrepreneurial process from the initial idea through start-up, growth, and harvest. Students learn how to write a business plan, manage all the elements of an entrepreneurial business, and develop a better understanding of the requirements of the entrepreneurial life path.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5318. Cross-Cultural Management.
The global environment requires sensitivity to and the adaptation of leadership and management skills and practices, and the culture-bound differences in workplace behavior and attitudes. Explores how differences in cultural core values shape behavior and attitudes of workers, managerial colleagues, and negotiating partners. Prerequisites: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5321. Supply Chain Management.
A variety of tools and frameworks provide students and understanding of the basis behind supply chain decision making. Topics include supply management concepts, demand-supply management, pull/push system, capacity and resource allocation, performance measurement, relationship assessment, and outsourcing in an integrated supply chain. Require graduate standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5325. Managing Business Creativity.
This course focuses on the means by which businesses and individuals foster and maintain their creative and innovative skills. Key topics include: idea generation and refinement, idea screening, prototype development, and feasibility analysis. Objectives are met through classroom exercises, case analysis, guest speakers, and individual and team projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5330. Seminar in Human Resource Management.
A study of current developments and practices in human resource management, including employment laws; planning, recruitment and selection; training and development programs; wage and benefits administration; performance management, human relations and productivity; labor relations; safety and health; an current contributions to human resource management theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5333. Problems in Business Administration.
The student is here given the opportunity to work in the field of his special interest, particularly in the subjects of accounting, business law, marketing, statistics, finance, and insurance. The course will be conducted by conferences between the student and instructors concerned. Problems will be assigned as nearly as possible for the needs of the individual student.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5335. New Venture Launch.
The purpose of this class is to ensure students gain a full understanding of what it takes to start and grow a business. Students learn the process of creating a new venture from the inside by planning, organizing and launching an actual business. Prerequisite: MGT 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5336. Compensation and Benefits.
This course addresses the rewards systems in organizations. Strategic and technical considerations in designing, administering and managing compensation and benefits plans in organizations, including job analysis and evaluation, wage levels and structures, legal issues, individual and group incentives, and benefits are considered. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5337. Organizational Staffing.
A study of the methods involved in recruitment and selection of employees with an emplasis on measurement, job analysis, performance appraisal, legal issues, and the role of human resource planning and strategy. This course relies on statistics to teach students to make reliable and valid employment decisions. Prerequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5338. Human Resource Development.
A study of theoretical and applied perspectives on needs assessment, design, development delivery and evaluation of training and development as well as organizational change and development. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5339. International Human Resource Management.
A study of challenges that decision makers consider when managing their human resources across the globe. Drawing on theories and models from cross-cultural and international management areas, this course covers such topics as globalization, culture, emerging international assignments, and expatriate recruitment, selection, training, repatriation, and career management. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5375. International Management-Latin America.
A study of the cultural, economic, regulatory, and political factors impacting international business. Emphasis is placed on theory and research of management phenomena in Latin America and on issues mediating commercial and governmental relations between the United State and Latin American countries. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MGT 5380A. Business Ethics Leadership.
This course examines a variety of ethical issues in business from multiple stakeholder perspectives (top management, employees, community members, etc.). The course is designed to enhance moral awareness and facilitate individual development with respect to making ethical decisions that contribute to effective corporate management and leadership.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MGT 5380B. Human Resource Information Systems.
This course provides an overview of functional areas in an HRIS system with a focus on the acquisition of skills with respect to the software as well as knowledge regarding the implementation process, associated benefits and costs, and the application of HRIS to manage critical HRM processes. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380C. Group Dynamics in Organizations.
This course explores the theoretical framework of group interactions as well as the practical workplace challenges associated with organizing, participating on, and managing teams and groups. It addresses the development and use of teams to improve business organizations and is recommended for graduate students preparing for business careers. Prerequisite: B A 5351 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380D. Labor Relations and Negotiation.
This graduate level course is a study of labor organizations and their impact as well as negotiation and conflict resolution issues. The course will examine the National Labor Relations Act (NLRA), union and employer rights under the NLRA, union organizing, collective bargaining, negotiation, contract administration, mediation and arbitration. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380E. International Leadership.
Course will include lectures, business engagements, cultural excursions, and a service-learning project. To reinforce the theories discussed in class students will interact directly with managers, employees, and international business professionals, learn perspective on cultural and leadership issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5390. Business Research Methods.
Designed to aid graduate students in analyzing reports, evaluating research and in planning research reports. Involves the selection of research problems, sources of data, analysis, presentation, report writing, directed reading, class reports, and a research problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5391. Managing the Communication Process.
The study and application of theory and psychology of managerial communication using written, oral, and technological modes to communicate within the business environment. The course includes the process and product approach to graphics, leadership, problem solving, prioritizing, interviewing, and communicating change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5395. Graduate Business Internship.
Integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in MGT 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Marketing (MKT)

MKT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5321. Marketing Management.
A study of the planning and coordination of marketing functions, marketing policies, and the analysis of marketing administration. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5322. Marketing Research Methods.
An advanced study of the marketing research process to include problem formulation, determination of sources of information and research design, design of data collection forms, design of the sample, collection of the data, analysis and interpretation of the data, preparation of the research report, and oral presentation of the research findings. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5323. Qualitative Research in Marketing.
This course examines qualitative methods as used in marketing and market research. Topics include the design and execution of qualitative research projects using various qualitative methodological approaches. Activities include application of qualitative methods for conducting research. Students will apply learning in a qualitative research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5325. Global Marketing and the Value Chain.
To understand the value chain concept and the linkages between value chains in the global marketplace. This will include evaluating the various value chains: supplier, firm, channel, and buyer in the global context. Topics will include procurement, operations, logistics, negotiation, marketing channels, and customer service.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5330. International Marketing.
An application of marketing concepts to the global business environment. Examines marketing in the light of international economic, social, cultural, business, and environmental factors. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5331. Integrated Marketing Communications.
An analysis of consumer behavior in the marketplace and its application to the preparation and presentation of a complete integrated marketing communications plan for a local, regional, and/or national client. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5335. Services Marketing.
Services dominate the U.S. economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5340. Digital Marketing.
This course examines marketing strategies in the digital environment. It examines the latest technology and analytical tools used in e-marketing and e-commerce, including online advertising, mobile marketing, social media marketing, search marketing, email marketing, and web analytics. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5345. Marketing Analytics.
This course is a study of the scientific approach that connects customer data and competitive information to drive marketing decision-making. The course explores customer data analysis techniques and their theoretical foundations that are applied to real world business problems. Students will learn software, conduct data analysis and communicate the results. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5350. Strategic Marketing Analysis and Planning.
This course examines strategic marketing decision making through the analysis and interpretation of marketing intelligence, metrics, and dashboards. Topics will include data-driven decision making on marketing challenges pertaining to customers, brands, marketing mix decisions, online strategy and social media, market performance, and firm profitability. Prerequisite: MKT 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5395. Independent Study in Marketing.
Individual problems or topics will be designed and completed to emphasize selected areas of study in Marketing. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5397C. Technology and Marketing.
Technology & Marketing covers the impact of new information technologies on marketing and marketing industries undergoing high levels of technological change. Subject areas such as social media, e-commerce, database marketing, business-to –business marketing, and customer contact management are examined and illustrated in industry settings that emphasize innovation through new technologies. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MKT 5397D. Marketing Metrics and Analysis.
To understand the measurement, analysis, and interpretation of marketing metrics that are critical for marketing strategy development and firm performance. Topics will include metrics associated with customers, brands, marketing mix decisions, online strategy and social media, firm profitability, and marketing dashboards. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MKT 5398. Internship in Marketing.
Internship in marketing is an external employer supervised, experiential learning course that enables a student to integrate professional and graduate business coursework. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5399A. Thesis.
This course represents a student's initial thesis enrollments. No thesis credit is awarded until student has completed the thesis in Marketing Research and Analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MKT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Quantitative Methods and Statistics (QMST)

QMST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5332. Optimization.
A study of management science/operations research emphasizing theory and applications of evaluative, predictive, and optimizing models as applied to the management of product and service-oriented operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5334. Statistical Methods for Business.
The course provides the quantitative foundation for business analysis and decision making. Topics include: inferential statistics, regression analysis, and other analytical/modeling techniques with wide applicability in decision-making and problem solving in all functional areas of business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5335. Forecasting and Simulation.
This course introduces the concepts and principles of forecasting and simulation techniques as applies to planning and decision making in organizations. Topical coverage includes time series forecasting, casual forecasting, discrete event simulation, and continues-event simulation techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5336. Analytics.
This course introduces analytics which refers to the process of transforming data into information for making decisions. The topics include the introduction to analytics, visualization, analytics applications, and challenges related to business data. Students will learn how to use software, conduct data analysis and communicate their results.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5342. Probability and Statistical Models.
This course introduces the concept of probability and probability distributions. It includes general and generalized linear models, inflated and mixture models, and hierarchical models. Model validity and choice will also be discussed. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5343. Data Mining.
This course covers data mining concepts and applications of data mining techniques to solve business problems. It emphasizes algorithms such as classification, clustering, association, and text mining. Model selection and assessment are also emphasized. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5369. Independent Study in Quantitative Methods.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in quantitative methods and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5390A. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 5395. Internship in Analytics.
This course is based on experiential learning while the student works in quantitative methods and statistics. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

QMST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Business Administration (M.B.A) Major in Business Administration (Flex International Business Concentration)

Program Overview

The Master of Business Administration (M.B.A.) degree with a major in Business Administration program in the McCoy College emphasizes the knowledge and tools needed for professional success and is designed for those individuals who expect to pursue careers in the management of organizations in either the public or private sector. The curriculum provides broad-based, generalized education with the flexibility to meet individual needs. Students may choose an optional concentration in one of five areas of study in a flexible format or select a full-time cohort program. The entire Flex M.B.A. programs can be completed at either the San Marcos or Round Rock campus while the Full-Time Cohort program is available exclusively at the San Marcos campus.

Students in the Flex M.B.A. program with a **Computer Information Systems Concentration** learn how technology has changed the way business operates and how to harness the power of technology in various business management settings.

The Flex M.B.A. with an **Engineering Technology Concentration** is offered in cooperation with the Department of Engineering Technology, an academic division of the College of Science and Engineering. M.B.A. students pursuing the Engineering Technology Concentration should find enhanced career opportunities with companies oriented significantly toward manufacturing.

Students interested in careers related to international business may choose to seek the Flex M.B.A. degree with an **International Business Concentration**. This program is designed to provide focused study in international business including cultural, historical, and political issues. While this program is available to all students in the M.B.A. program, it is especially well suited for undergraduate students in the international studies undergraduate program.

If a student's interest is the healthcare industry, the Flex M.B.A. with a **Healthcare Administration Concentration** may be for them. Offered jointly with the College of Health Professions, the program combines academic content from both colleges to prepare students for a successful career in healthcare.

For those interested in the field of human resources, a Flex M.B.A. with a **Human Resource Management Concentration** is available. This program provides information on organizational change, staffing, compensation and benefits, and international HR.

The **Full-Time Cohort** M.B.A. is offered exclusively at the San Marcos campus. In addition to the core courses, students must complete an internship and study abroad experience in a specific semester as outlined for each cohort group.

Each of the above programs require completing course work from three sets of courses:

- Courses in the first set constitute Tier 1 core courses. They are designed to give students a strong foundation in business as well as begin intensive professional development. These courses must be completed for any of the M.B.A. options selected.

- The second set of courses are the Tier 2 core courses. The purpose of the Tier 2 core courses is to ensure that all students completing a program of study have a common academic experience in all areas critical to success in a discipline. While all M.B.A. options require a similar set of Tier 2 core courses, there are some exceptions noted on the Requirements tab.
- The third set of courses for the M.B.A. options is the elective courses. In addition to the required Tier 1 and Tier 2 core courses for each M.B.A. option, the degree candidate is allowed to select a group of courses from an approved set of electives. The exact number of elective courses varies between degree options. Course requirements for each M.B.A. option are described on the Requirements tab.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- responses to specific essay questions
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two letters of recommendation from persons best able to assess the student's ability to succeed in graduate school
- official GMAT or GRE (general test only) with competitive scores. An applicant may select the Conditional Start Option. Under this option, an applicant may be considered for conditional admission if they choose not to supply a GMAT/GRE score. Applicants must meet all other admission requirements. Applicants admitted under the Conditional Start Option must earn a 'B' or better in each of the first nine hours of the program and are not eligible for graduate assistantships or scholarship/fellowships until this condition is met. If the condition is not met, the student is suspended from the program.

TOEFL or IELTS Scores

- Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Business Administration (M.B.A.) degree with a major in Business Administration concentration in International Business requires 39 semester credit hours.

B A 5351 should be taken in the first semester and MGT 5313 should be taken in the last term because it serves as the capstone course and includes the comprehensive examination.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
B A 5100	Business Professional Development Seminar (Taken three times in different terms)	3
B A 5351	Organizational Performance and Competitive Advantage	3
B A 5352	Developing the Financial Perspective of the Firm	3
ACC 5361	Accounting Analysis for Managerial Decision Making	3
ECO 5316	Managerial Economics	3
MGT 5313	Strategic Management	3
MGT 5314	Organizational Behavior and Theory	3
MGT 5321	Supply Chain Management	3
MKT 5321	Marketing Management	3
QMST 5334	Statistical Methods for Business	3
Electives		
Choose 9 hours from the following:		9
BLAW 5368G	Legal Issues in International Business	
ECO 5310	International Economics	
ECO 5320	Emerging Market Economies	
FIN 5337	International Finance	
FIN 5338	International Investments and Financial Management	
MGT 5318	Cross-Cultural Management	
MGT 5339	International Human Resource Management	
MKT 5325	Global Marketing and the Value Chain	

MKT 5330	International Marketing	
Total Hours		39

Comprehensive Examination Requirements

The comprehensive examination consists of a consulting project with companies in the community. The exam is a written paper and oral presentation at the end of the semester, associated with capstone course MGT 5313. If the student fails, they must retake the capstone course, MGT 5313, the following term.

Students who do not successfully complete the requirements for the degree within the timelines specified will be dismissed from the program.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf

- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Business Administration: ACC (p. 929), B A (p. 931), BLAW (p. 932), CIS (p. 932), ECO (p. 934), FIN (p. 934), MGT (p. 935), MKT (p. 938), QMST (p. 939)

Courses Offered

Students must complete the appropriate background course or its equivalent before enrolling in elective courses.

Accounting (ACC)

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor's judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual's employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Business Administration (B A)

B A 5351. Organizational Performance and Competitive Advantage.
This course is designed to provide an integrative understanding of the firm. A variety of organizational models and perspectives will be incorporated to facilitate understanding of the complexities of the firm, its environments, and its relationships with stakeholders. Includes focus on case analysis issues and communication skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5352. Developing the Financial Perspective of the Firm.
Development of the theoretical basis and presentation of accounting and finance. Topics include understanding the basic elements of financial statements, the use of accounting information in decision making, and the techniques for the acquisition and management of the firm's financial resources. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5353. Understanding and Analyzing Organizational Problems.
An introduction to the concepts of economic theory and optimization, with an emphasis on developing skills in data and economic analysis to solve business problems. Coverage includes prices, costs, market structures, macroeconomic policies, and optimization. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5368A. MBA Full Time Cohort International Experience.
This course will focus on developing an understanding and analysis of issues related to business challenges in another country. Students will gain first-hand experience with the business practices, culture and economy of another country. Corequisite: MGT 5313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

B A 5396. Internship in Business Administration.
This course is based on experiential learning while the student works in business administration. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 5398. Independent Study in Business Administration.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in business administration and work independently on a specialized project. Course may be repeated with approval of associate dean for graduate programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Business Law (BLAW)

BLAW 5310. The Employment Relationship.
A study of trends in the rapidly evolving "law of workplace," with emphasis on how lawmakers attempt to balance the rights and responsibilities of employers and workers. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5333. Legal Issues of Sustainability and Responsibility.
Diverse frameworks and analytical methods underlying our understanding of sustainability are explored, including the legal aspects & impact on business, society, environment and economy. Topics include corporate governance, globalization, urbanization, energy, human population, food, natural resources, water and equity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5364. Commercial Law.
A traditional business law course which examines sales, negotiable instruments, creditor's rights and remedies, secured transactions, bankruptcy law, personal property, bailments, real property and landlord-tenant relationships. Prerequisite: BLAW 2361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5368B. Law and Ethics in the Business Environment.
An examination of the ethical dimensions of management decision-making. Problems are viewed through the lens of a value system determined, in part, by the legal system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368D. Business Dispute Administration.
Course describes civil and religious law systems, both in the U.S. and abroad, alternative dispute resolution programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368E. Environmental Law and Policy.
Course attempts to integrate the study of environmental law w/ concepts from other disciplines necessary to an assessment of the law, primarily economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368F. Business Law for Entrepreneurs.
Course explores steps that an entrepreneur who is contemplating leaving an employer can take to make the departure amicable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368G. Legal Issues in International Business.
This course examines legal issues relevant to international business transactions, emphasizing international trade, licensing of intellectual property, and foreign direct investment. Environmental, dispute resolution, labor, e-commerce, marketing, and ethical issues will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BLAW 5368I. International Business Ethics.
This course examines the legal and ethical challenges inherent in international marketing, international environmental and energy practices, international labor and employment practices, trade negotiations, foreign direct investment, intellectual property licensing, technology development, data collection mining, corporate tax inversion, and global corporate social responsibility. Students will also discuss the individual behavioral, organizational, and cultural factors that influence ethical and unethical business decisions in the global business environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Computer Information Systems (CIS)

CIS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5318. Information Technology in the Digital Economy.
Provides an understanding of the issues involved in the strategic management of the information assets of organizations. Examines the issues and challenges that users face within the Information Technology (IT) management arena as part of a firm's business and IT strategy. Focus is on managerial rather than technical issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5355. Database Management Systems.
Explores the concepts, principles, issues and techniques for managing corporate data resources using database management systems. The course includes techniques for analysis, design and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating database management software. Students will use a relational database management system to develop a management information system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5356. Business Telecommunications.
Explores the technology that is revolutionizing the manner in which business and government conduct their operations and the effects new developments in communication media have on computing systems. This course reflects the current state-of-the-art in data communication networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5357. Computing for Data Analytics.
This course focuses on fundamentals of programming. Students will learn to design and implement applications, and programmatically handle a variety of data management functionalities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5358. Agile Project Management For Business Professionals.
An in-depth study of the project management body of knowledge as applied to Information Technology with emphasis on Agile methodologies and the management of scope, costs, schedules, quality and risks. Includes program management, system methodologies, material procurement, and human, cultural, and international issues and their impact on the organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5360. E-Commerce: Strategies, Technologies, and Applications.
This course is designed to familiarize students with current and emerging e-commerce technologies. Topics include Internet technology for business advantage, reinventing the future of business through e-commerce, business opportunities in e-commerce, and social, political, global, and ethical issues associated with ecommerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5364. Data Warehousing.
Familiarizes students with current and emerging data warehousing technologies that play a strategic role in business organizations. Topics include data warehouse development life cycle, data warehouse navigation, data quality, and performance issues. Prerequisites: CIS 5355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5367. Machine Learning.
This course focuses on deriving actionable knowledge from data using algorithms and industry standard tools. It covers the complete process, key technologies, core machine learning algorithms, and programming used for business intelligence. Prerequisite: CIS 5357 and QMST 5336 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5368. Information Security.
This course covers the analysis, design, development, implementation, and maintenance of information security systems. Topics include legal, ethical, professional, personnel issues; risk management; technology; cryptography; and physical security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5369. Independent Study in Computer Information Systems.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in CIS and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 5370. Enterprise Resource Planning and Business Intelligence.
The use of information technology in integrating enterprises for operational control and business intelligence is examined via Enterprise Resource Planning (ERP) applications in customer relationships management, accounting, finance, purchasing, production control, sales, marketing, and human resource management. Emphasizes managerial issues surrounding the need, selection, and implementation of ERP systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5371. Accounting Information Systems and Controls.
A study of accounting information systems and controls as well as their role in the current technology-intensive business environment. Emphasis is placed on contemporary technology and applications, IT and business systems assessments, IT internal controls, control concepts and procedures, information systems auditing, and transaction cycles. Prerequisite: ACC 3313 or ACC 5361 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5378. Information Security Policies and Compliance.
This course focuses on the technology and managerial issues related to information policies, regulations, and compliance that assure confidentiality, integrity, and availability of data and computer systems. Topics include information security policy, regulations, laws, standards, framework, compliance, and governance. Prerequisite: CIS 5368 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5390C. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CIS 5395. Internship in Computer Information Systems.
This course provides students with opportunities for experiential learning by working on a computer information systems project. It enables integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CIS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Economics (ECO)

ECO 5302. Economic Theory and Policy.
An intensive study of micro-and macroeconomic concepts; the price system as it functions under competition, monopoly, monopolistic competition and oligopoly; national income measurement and determination; business cycles; money and baking; monetary policy; fiscal policy and economic stabilization. May not be counted as an elective MBA course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ECO 5310. International Economics.
Examination of the patterns of trade and finance among nations, integrating the topics of exchange rates, trade barriers, customs unions, and macroeconomics policy into a unified treatment of international economic relations. Prerequisite: B A 5353 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ECO 5316. Managerial Economics.
The application of economic theory and analysis to the formulation of business policy, including demand analysis, production theory, linear programming, and pricing policy. (MBA with Technology Emphasis students complete TECH 5315.) Prerequisite: QMST 5334 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5320. Emerging Market Economies.
The course focuses on the structural characteristics of the emerging market economies, with an emphasis on analyzing the salient economic challenges and opportunities facing contemporary emerging market economies. Prerequisites: B A 5353 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5378. Macroeconomic Theory and Policy.
An analysis of theory and policy questions relating to the rate of economic growth. The theory of national income, employment and the price level from the point of view of dynamics. Students may take either BA 5378 or BA 5316. Prerequisite: BA 5302 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Finance (FIN)

FIN 5307. Financial Analysis.
Development of the theoretical basis and presentation of the techniques for the acquisition and management of the firm's financial resources. Topics include working capital management, capital budgeting, and internal and external financing decisions. May not be counted as an MBA elective course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FIN 5322. Investment Analysis.
This course provides an introduction to the basic concepts of investments and investment management. It is designed to develop a framework within which to view the investment process in a global environment and an understanding of the institutional setting in which investment decisions are made. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5332. Portfolio Theory and Capital Markets.
This course is designed to provide students with an overview of the strategies for creating and managing portfolios. At the end of this course, students should understand the tools for investment management. Topics covered include portfolio construction and analysis, risk analysis, asset class management, derivatives, and portfolio performance analysis. Prerequisite: FIN 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5337. International Finance.
Examination of economic incentives and rationale for multinational firms,exchange rate risk exposure and management, investment decision strategy, and the general economic impact of multinational firm activity. (MULT) Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5338. International Investments and Financial Management.
Examination of economic incentives and rationale for international investment and financing. Topics include exchange rate risk exposure and management, global debt and equity investment and financing, foreign currency derivative markets, and general investment and financing strategy in global capital market. Prerequisite: B A 5352 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5347C. Real Estate Investment.
An application of capital budgeting to real estate investment decisions. Prerequisite: FIN 5387 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FIN 5387. Managerial Finance.
Concentrates on the finance function, analysis and budgeting of funds,management of current assets, short and intermediate-term financing requirements, long-term debt policy and capital structure, capital budgeting, and the concept of cost of capital. Risk and return trade-offs also are studied. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5395. Independent Study in Finance.
An in-depth study of a single topic or related problem solved through finance research. The course may be repeated once if the topic studied is different. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Management (MGT)

MGT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5301. Graduate Assistant Development.
Completion of this course is required as a condition of employment for graduate assistants. The course is seminar based and covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MGT 5310. Organizational Change Management.
Presents an overview of the process of change in an organization and stresses the key issues involved in reengineering and renewing organizations. Problems dealing with stress and conflict during major change will be explored along with practical ideas on building effective teams to make change possible and sustainable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5311. Process Improvement Management in Organizations.
Learn existing and latest developments in process improvement techniques for continuous improvement and the role of quality as a system for establishing an organization's competitive advantage. Process mapping is emphasized and assessment of effectiveness in the interactions of the managerial and technical systems of organizations is also studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5312. Seminar in Management.
Development of philosophy, strategy, and tactics in managing an enterprise. Administrative processes common to all enterprises, such as entrepreneurship, business and society, leadership and group behavior in organizations, business ethics, and international management. (Course may be repeated for credit with different course focus.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5313. Strategic Management.
An integrative approach to policy formulation and administration (decision making) to achieve organization objectives. Should be taken the last semester of student's MBA program. Prerequisite: ACC 5361 and FIN 5387 and MKT 5321 and QMST 5334 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5314. Organizational Behavior and Theory.
Organizational behavior and structure as influenced by environmental variables and system relationships. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5315. New Venture Management.
This course provides an overview of the entrepreneurial process from the initial idea through start-up, growth, and harvest. Students learn how to write a business plan, manage all the elements of an entrepreneurial business, and develop a better understanding of the requirements of the entrepreneurial life path.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5318. Cross-Cultural Management.
The global environment requires sensitivity to and the adaptation of leadership and management skills and practices, and the culture-bound differences in workplace behavior and attitudes. Explores how differences in cultural core values shape behavior and attitudes of workers, managerial colleagues, and negotiating partners. Prerequisites: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5321. Supply Chain Management.
A variety of tools and frameworks provide students and understanding of the basis behind supply chain decision making. Topics include supply management concepts, demand-supply management, pull/push system, capacity and resource allocation, performance measurement, relationship assessment, and outsourcing in an integrated supply chain. Require graduate standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5325. Managing Business Creativity.
This course focuses on the means by which businesses and individuals foster and maintain their creative and innovative skills. Key topics include: idea generation and refinement, idea screening, prototype development, and feasibility analysis. Objectives are met through classroom exercises, case analysis, guest speakers, and individual and team projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5330. Seminar in Human Resource Management.
A study of current developments and practices in human resource management, including employment laws; planning, recruitment and selection; training and development programs; wage and benefits administration; performance management, human relations and productivity; labor relations; safety and health; an current contributions to human resource management theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5333. Problems in Business Administration.
The student is here given the opportunity to work in the field of his special interest, particularly in the subjects of accounting, business law, marketing, statistics, finance, and insurance. The course will be conducted by conferences between the student and instructors concerned. Problems will be assigned as nearly as possible for the needs of the individual student.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5335. New Venture Launch.
The purpose of this class is to ensure students gain a full understanding of what it takes to start and grow a business. Students learn the process of creating a new venture from the inside by planning, organizing and launching an actual business. Prerequisite: MGT 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5336. Compensation and Benefits.
This course addresses the rewards systems in organizations. Strategic and technical considerations in designing, administering and managing compensation and benefits plans in organizations, including job analysis and evaluation, wage levels and structures, legal issues, individual and group incentives, and benefits are considered. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5337. Organizational Staffing.
A study of the methods involved in recruitment and selection of employees with an emplasis on measurement, job analysis, performance appraisal, legal issues, and the role of human resource planning and strategy. This course relies on statistics to teach students to make reliable and valid employment decisions. Prerequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5338. Human Resource Development.
A study of theoretical and applied perspectives on needs assessment, design, development delivery and evaluation of training and development as well as organizational change and development. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5339. International Human Resource Management.
A study of challenges that decision makers consider when managing their human resources across the globe. Drawing on theories and models from cross-cultural and international management areas, this course covers such topics as globalization, culture, emerging international assignments, and expatriate recruitment, selection, training, repatriation, and career management. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5375. International Management-Latin America.
A study of the cultural, economic, regulatory, and political factors impacting international business. Emphasis is placed on theory and research of management phenomena in Latin America and on issues mediating commercial and governmental relations between the United State and Latin American countries. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MGT 5380A. Business Ethics Leadership.
This course examines a variety of ethical issues in business from multiple stakeholder perspectives (top management, employees, community members, etc.). The course is designed to enhance moral awareness and facilitate individual development with respect to making ethical decisions that contribute to effective corporate management and leadership.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MGT 5380B. Human Resource Information Systems.
This course provides an overview of functional areas in an HRIS system with a focus on the acquisition of skills with respect to the software as well as knowledge regarding the implementation process, associated benefits and costs, and the application of HRIS to manage critical HRM processes. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380C. Group Dynamics in Organizations.
This course explores the theoretical framework of group interactions as well as the practical workplace challenges associated with organizing, participating on, and managing teams and groups. It addresses the development and use of teams to improve business organizations and is recommended for graduate students preparing for business careers. Prerequisite: B A 5351 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380D. Labor Relations and Negotiation.
This graduate level course is a study of labor organizations and their impact as well as negotiation and conflict resolution issues. The course will examine the National Labor Relations Act (NLRA), union and employer rights under the NLRA, union organizing, collective bargaining, negotiation, contract administration, mediation and arbitration. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380E. International Leadership.
Course will include lectures, business engagements, cultural excursions, and a service-learning project. To reinforce the theories discussed in class students will interact directly with managers, employees, and international business professionals, learn perspective on cultural and leadership issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5390. Business Research Methods.
Designed to aid graduate students in analyzing reports, evaluating research and in planning research reports. Involves the selection of research problems, sources of data, analysis, presentation, report writing, directed reading, class reports, and a research problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5391. Managing the Communication Process.
The study and application of theory and psychology of managerial communication using written, oral, and technological modes to communicate within the business environment. The course includes the process and product approach to graphics, leadership, problem solving, prioritizing, interviewing, and communicating change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5395. Graduate Business Internship.
Integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in MGT 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Marketing (MKT)

MKT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5321. Marketing Management.
A study of the planning and coordination of marketing functions, marketing policies, and the analysis of marketing administration. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5322. Marketing Research Methods.
An advanced study of the marketing research process to include problem formulation, determination of sources of information and research design, design of data collection forms, design of the sample, collection of the data, analysis and interpretation of the data, preparation of the research report, and oral presentation of the research findings. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5323. Qualitative Research in Marketing.
This course examines qualitative methods as used in marketing and market research. Topics include the design and execution of qualitative research projects using various qualitative methodological approaches. Activities include application of qualitative methods for conducting research. Students will apply learning in a qualitative research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5325. Global Marketing and the Value Chain.
To understand the value chain concept and the linkages between value chains in the global marketplace. This will include evaluating the various value chains: supplier, firm, channel, and buyer in the global context. Topics will include procurement, operations, logistics, negotiation, marketing channels, and customer service.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5330. International Marketing.
An application of marketing concepts to the global business environment. Examines marketing in the light of international economic, social, cultural, business, and environmental factors. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5331. Integrated Marketing Communications.
An analysis of consumer behavior in the marketplace and its application to the preparation and presentation of a complete integrated marketing communications plan for a local, regional, and/or national client. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5335. Services Marketing.
Services dominate the U.S. economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5340. Digital Marketing.
This course examines marketing strategies in the digital environment. It examines the latest technology and analytical tools used in e-marketing and e-commerce, including online advertising, mobile marketing, social media marketing, search marketing, email marketing, and web analytics. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5345. Marketing Analytics.
This course is a study of the scientific approach that connects customer data and competitive information to drive marketing decision-making. The course explores customer data analysis techniques and their theoretical foundations that are applied to real world business problems. Students will learn software, conduct data analysis and communicate the results. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5350. Strategic Marketing Analysis and Planning.
This course examines strategic marketing decision making through the analysis and interpretation of marketing intelligence, metrics, and dashboards. Topics will include data-driven decision making on marketing challenges pertaining to customers, brands, marketing mix decisions, online strategy and social media, market performance, and firm profitability. Prerequisite: MKT 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5395. Independent Study in Marketing.
Individual problems or topics will be designed and completed to emphasize selected areas of study in Marketing. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5397C. Technology and Marketing.
Technology & Marketing covers the impact of new information technologies on marketing and marketing industries undergoing high levels of technological change. Subject areas such as social media, e-commerce, database marketing, business-to –business marketing, and customer contact management are examined and illustrated in industry settings that emphasize innovation through new technologies. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MKT 5397D. Marketing Metrics and Analysis.
To understand the measurement, analysis, and interpretation of marketing metrics that are critical for marketing strategy development and firm performance. Topics will include metrics associated with customers, brands, marketing mix decisions, online strategy and social media, firm profitability, and marketing dashboards. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MKT 5398. Internship in Marketing.
Internship in marketing is an external employer supervised, experiential learning course that enables a student to integrate professional and graduate business coursework. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5399A. Thesis.
This course represents a student's initial thesis enrollments. No thesis credit is awarded until student has completed the thesis in Marketing Research and Analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MKT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Quantitative Methods and Statistics (QMST)

QMST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5332. Optimization.
A study of management science/operations research emphasizing theory and applications of evaluative, predictive, and optimizing models as applied to the management of product and service-oriented operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5334. Statistical Methods for Business.
The course provides the quantitative foundation for business analysis and decision making. Topics include: inferential statistics, regression analysis, and other analytical/modeling techniques with wide applicability in decision-making and problem solving in all functional areas of business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5335. Forecasting and Simulation.
This course introduces the concepts and principles of forecasting and simulation techniques as applies to planning and decision making in organizations. Topical coverage includes time series forecasting, casual forecasting, discrete event simulation, and continues-event simulation techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5336. Analytics.
This course introduces analytics which refers to the process of transforming data into information for making decisions. The topics include the introduction to analytics, visualization, analytics applications, and challenges related to business data. Students will learn how to use software, conduct data analysis and communicate their results.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5342. Probability and Statistical Models.
This course introduces the concept of probability and probability distributions. It includes general and generalized linear models, inflated and mixture models, and hierarchical models. Model validity and choice will also be discussed. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5343. Data Mining.
This course covers data mining concepts and applications of data mining techniques to solve business problems. It emphasizes algorithms such as classification, clustering, association, and text mining. Model selection and assessment are also emphasized. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5369. Independent Study in Quantitative Methods.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in quantitative methods and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5390A. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 5395. Internship in Analytics.
This course is based on experiential learning while the student works in quantitative methods and statistics. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

QMST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Business Administration (M.B.A) Major in Business Administration (Flex Supply Chain Management Concentration)

Program Overview

The Master of Business Administration (M.B.A.) degree with a major in Business Administration program in the McCoy College emphasizes the knowledge and tools needed for professional success and is designed for those individuals who expect to pursue careers in the management of organizations in either the public or private sector. The curriculum provides broad-based, generalized education with the flexibility to meet individual needs. Students may choose an optional concentration in one of five areas of study in a flexible format or select a full-time cohort program. The entire Flex M.B.A. programs can be completed at either the

San Marcos or Round Rock campus while the Full-Time Cohort program is available exclusively at the San Marcos campus.

Students in the Flex M.B.A. program with a **Computer Information Systems Concentration** learn how technology has changed the way business operates and how to harness the power of technology in various business management settings.

The Flex M.B.A. with an **Engineering Technology Concentration** is offered in cooperation with the Department of Engineering Technology, an academic division of the College of Science and Engineering. M.B.A. students pursuing the Engineering Technology Concentration should find enhanced career opportunities with companies oriented significantly toward manufacturing.

Students interested in careers related to international business may choose to seek the Flex M.B.A. degree with an **International Business Concentration**. This program is designed to provide focused study in international business including cultural, historical, and political issues. While this program is available to all students in the M.B.A. program, it is especially well suited for undergraduate students in the international studies undergraduate program.

If a student's interest is the healthcare industry, the Flex M.B.A. with a **Healthcare Administration Concentration** may be for them. Offered jointly with the College of Health Professions, the program combines academic content from both colleges to prepare students for a successful career in healthcare.

For those interested in the field of human resources, a Flex M.B.A. with a **Human Resource Management Concentration** is available. This program provides information on organizational change, staffing, compensation and benefits, and international HR.

Students in the Flex M.B.A. program with a **Supply Chain Management Concentration** will obtain the knowledge and skills required to effectively manage the supply chain process in today's global marketplace.

The **Full-Time Cohort** M.B.A. is offered exclusively at the San Marcos campus. In addition to the core courses, students must complete an internship and study abroad experience in a specific semester as outlined for each cohort group.

Each of the above programs require completing course work from three sets of courses:

- Courses in the first set constitute Tier 1 core courses. They are designed to give students a strong foundation in business as well as begin intensive professional development. These courses must be completed for any of the M.B.A. options selected.
- The second set of courses are the Tier 2 core courses. The purpose of the Tier 2 core courses is to ensure that all students completing a program of study have a common academic experience in all areas critical to success in a discipline. While all M.B.A. options require a similar set of Tier 2 core courses, there are some exceptions noted on the Requirements tab.
- The third set of courses for the M.B.A. options is the elective courses. In addition to the required Tier 1 and Tier 2 core courses for each M.B.A. option, the degree candidate is allowed to select a group of courses from an approved set of electives. The exact number of elective courses varies between degree options. Course requirements for each M.B.A. option are described on the Requirements tab.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- responses to specific essay questions
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two letters of recommendation from persons best able to assess the student's ability to succeed in graduate school
- official GMAT or GRE (general test only) with competitive scores. An applicant may select the Conditional Start Option. Under this option, an applicant may be considered for conditional admission if they choose not to supply a GMAT/GRE score. Applicants must meet all other admission requirements. Applicants admitted under the Conditional Start Option must earn a 'B' or better in each of the first nine hours of the program and are not eligible for graduate assistantships or scholarship/fellowships until this condition is met. If the condition is not met, the student is suspended from the program.

TOEFL or IELTS Scores

- Non-native English speakers who do not qualify for an English proficiency waiver.

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Business Administration (M.B.A.) degree with a major in Business Administration concentration in Flex Supply Chain Management requires 39 semester credit hours.

B A 5351 should be taken in the first semester and MGT 5313 should be taken in the last term because it serves as the capstone course and includes the comprehensive examination.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
B A 5100	Business Professional Development Seminar (Taken three times in different terms)	3
B A 5351	Organizational Performance and Competitive Advantage	3
B A 5352	Developing the Financial Perspective of the Firm	3
ACC 5361	Accounting Analysis for Managerial Decision Making	3
ECO 5316	Managerial Economics	3
MGT 5313	Strategic Management	3
MGT 5314	Organizational Behavior and Theory	3
MGT 5321	Supply Chain Management	3
MKT 5321	Marketing Management	3
QMST 5334	Statistical Methods for Business	3
Electives		
Choose 9 hours from the following:		9
CIS 5358	Agile Project Management For Business Professionals	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
MGT 5311	Process Improvement Management in Organizations	
MGT 5318	Cross-Cultural Management	
MGT 5380D	Labor Relations and Negotiation	
MKT 5330	International Marketing	
Total Hours		39

Comprehensive Examination Requirement

The comprehensive examination consists of a consulting project with companies in the community. The exam is a written paper and oral presentation at the end of the semester, associated with capstone course MGT 5313. If the student fails, they must retake the capstone course, MGT 5313, the following term.

Students who do not successfully complete the requirements for the degree within the timelines specified will be dismissed from the program.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Business Administration: ACC (p. 943), B A (p. 945), BLAW (p. 946), CIS (p. 947), ECO (p. 948), FIN (p. 949), MGT (p. 949), MKT (p. 952), QMST (p. 953)

Courses Offered

Students must complete the appropriate background course or its equivalent before enrolling in elective courses.

Accounting (ACC)

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor's judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual's employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Business Administration (B A)

B A 5351. Organizational Performance and Competitive Advantage.
This course is designed to provide an integrative understanding of the firm. A variety of organizational models and perspectives will be incorporated to facilitate understanding of the complexities of the firm, its environments, and its relationships with stakeholders. Includes focus on case analysis issues and communication skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5352. Developing the Financial Perspective of the Firm.
Development of the theoretical basis and presentation of accounting and finance. Topics include understanding the basic elements of financial statements, the use of accounting information in decision making, and the techniques for the acquisition and management of the firm's financial resources. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5353. Understanding and Analyzing Organizational Problems.
An introduction to the concepts of economic theory and optimization, with an emphasis on developing skills in data and economic analysis to solve business problems. Coverage includes prices, costs, market structures, macroeconomic policies, and optimization. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5368A. MBA Full Time Cohort International Experience.
This course will focus on developing an understanding and analysis of issues related to business challenges in another country. Students will gain first-hand experience with the business practices, culture and economy of another country. Corequisite: MGT 5313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

B A 5396. Internship in Business Administration.
This course is based on experiential learning while the student works in business administration. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 5398. Independent Study in Business Administration.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in business administration and work independently on a specialized project. Course may be repeated with approval of associate dean for graduate programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Business Law (BLAW)

BLAW 5310. The Employment Relationship.
A study of trends in the rapidly evolving "law of workplace," with emphasis on how lawmakers attempt to balance the rights and responsibilities of employers and workers. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5333. Legal Issues of Sustainability and Responsibility.
Diverse frameworks and analytical methods underlying our understanding of sustainability are explored, including the legal aspects & impact on business, society, environment and economy. Topics include corporate governance, globalization, urbanization, energy, human population, food, natural resources, water and equity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5364. Commercial Law.
A traditional business law course which examines sales, negotiable instruments, creditor's rights and remedies, secured transactions, bankruptcy law, personal property, bailments, real property and landlord-tenant relationships. Prerequisite: BLAW 2361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5368B. Law and Ethics in the Business Environment.
An examination of the ethical dimensions of management decision-making. Problems are viewed through the lens of a value system determined, in part, by the legal system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368D. Business Dispute Administration.
Course describes civil and religious law systems, both in the U.S. and abroad, alternative dispute resolution programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368E. Environmental Law and Policy.
Course attempts to integrate the study of environmental law w/ concepts from other disciplines necessary to an assessment of the law, primarily economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368F. Business Law for Entrepreneurs.
Course explores steps that an entrepreneur who is contemplating leaving an employer can take to make the departure amicable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368G. Legal Issues in International Business.
This course examines legal issues relevant to international business transactions, emphasizing international trade, licensing of intellectual property, and foreign direct investment. Environmental, dispute resolution, labor, e-commerce, marketing, and ethical issues will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BLAW 5368I. International Business Ethics.
This course examines the legal and ethical challenges inherent in international marketing, international environmental and energy practices, international labor and employment practices, trade negotiations, foreign direct investment, intellectual property licensing, technology development, data collection mining, corporate tax inversion, and global corporate social responsibility. Students will also discuss the individual behavioral, organizational, and cultural factors that influence ethical and unethical business decisions in the global business environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Computer Information Systems (CIS)

CIS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5318. Information Technology in the Digital Economy.
Provides an understanding of the issues involved in the strategic management of the information assets of organizations. Examines the issues and challenges that users face within the Information Technology (IT) management arena as part of a firm's business and IT strategy. Focus is on managerial rather than technical issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5355. Database Management Systems.
Explores the concepts, principles, issues and techniques for managing corporate data resources using database management systems. The course includes techniques for analysis, design and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating database management software. Students will use a relational database management system to develop a management information system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5356. Business Telecommunications.
Explores the technology that is revolutionizing the manner in which business and government conduct their operations and the effects new developments in communication media have on computing systems. This course reflects the current state-of-the-art in data communication networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5357. Computing for Data Analytics.
This course focuses on fundamentals of programming. Students will learn to design and implement applications, and programmatically handle a variety of data management functionalities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5358. Agile Project Management For Business Professionals.
An in-depth study of the project management body of knowledge as applied to Information Technology with emphasis on Agile methodologies and the management of scope, costs, schedules, quality and risks. Includes program management, system methodologies, material procurement, and human, cultural, and international issues and their impact on the organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5360. E-Commerce: Strategies, Technologies, and Applications.
This course is designed to familiarize students with current and emerging e-commerce technologies. Topics include Internet technology for business advantage, reinventing the future of business through e-commerce, business opportunities in e-commerce, and social, political, global, and ethical issues associated with ecommerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5364. Data Warehousing.
Familiarizes students with current and emerging data warehousing technologies that play a strategic role in business organizations. Topics include data warehouse development life cycle, data warehouse navigation, data quality, and performance issues. Prerequisites: CIS 5355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5367. Machine Learning.
This course focuses on deriving actionable knowledge from data using algorithms and industry standard tools. It covers the complete process, key technologies, core machine learning algorithms, and programming used for business intelligence. Prerequisite: CIS 5357 and QMST 5336 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5368. Information Security.
This course covers the analysis, design, development, implementation, and maintenance of information security systems. Topics include legal, ethical, professional, personnel issues; risk management; technology; cryptography; and physical security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5369. Independent Study in Computer Information Systems.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in CIS and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 5370. Enterprise Resource Planning and Business Intelligence.
The use of information technology in integrating enterprises for operational control and business intelligence is examined via Enterprise Resource Planning (ERP) applications in customer relationships management, accounting, finance, purchasing, production control, sales, marketing, and human resource management. Emphasizes managerial issues surrounding the need, selection, and implementation of ERP systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5371. Accounting Information Systems and Controls.
A study of accounting information systems and controls as well as their role in the current technology-intensive business environment. Emphasis is placed on contemporary technology and applications, IT and business systems assessments, IT internal controls, control concepts and procedures, information systems auditing, and transaction cycles. Prerequisite: ACC 3313 or ACC 5361 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5378. Information Security Policies and Compliance.
This course focuses on the technology and managerial issues related to information policies, regulations, and compliance that assure confidentiality, integrity, and availability of data and computer systems. Topics include information security policy, regulations, laws, standards, framework, compliance, and governance. Prerequisite: CIS 5368 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5390C. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CIS 5395. Internship in Computer Information Systems.
This course provides students with opportunities for experiential learning by working on a computer information systems project. It enables integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CIS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Economics (ECO)

ECO 5302. Economic Theory and Policy.
An intensive study of micro-and macroeconomic concepts; the price system as it functions under competition, monopoly, monopolistic competition and oligopoly; national income measurement and determination; business cycles; money and baking; monetary policy; fiscal policy and economic stabilization. May not be counted as an elective MBA course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ECO 5310. International Economics.
Examination of the patterns of trade and finance among nations, integrating the topics of exchange rates, trade barriers, customs unions, and macroeconomics policy into a unified treatment of international economic relations. Prerequisite: B A 5353 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ECO 5316. Managerial Economics.
The application of economic theory and analysis to the formulation of business policy, including demand analysis, production theory, linear programming, and pricing policy. (MBA with Technology Emphasis students complete TECH 5315.) Prerequisite: QMST 5334 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5320. Emerging Market Economies.
The course focuses on the structural characteristics of the emerging market economies, with an emphasis on analyzing the salient economic challenges and opportunities facing contemporary emerging market economies. Prerequisites: B A 5353 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5378. Macroeconomic Theory and Policy.
An analysis of theory and policy questions relating to the rate of economic growth. The theory of national income, employment and the price level from the point of view of dynamics. Students may take either BA 5378 or BA 5316. Prerequisite: BA 5302 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Finance (FIN)

FIN 5307. Financial Analysis.
Development of the theoretical basis and presentation of the techniques for the acquisition and management of the firm's financial resources. Topics include working capital management, capital budgeting, and internal and external financing decisions. May not be counted as an MBA elective course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FIN 5322. Investment Analysis.
This course provides an introduction to the basic concepts of investments and investment management. It is designed to develop a framework within which to view the investment process in a global environment and an understanding of the institutional setting in which investment decisions are made. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5332. Portfolio Theory and Capital Markets.
This course is designed to provide students with an overview of the strategies for creating and managing portfolios. At the end of this course, students should understand the tools for investment management. Topics covered include portfolio construction and analysis, risk analysis, asset class management, derivatives, and portfolio performance analysis. Prerequisite: FIN 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5337. International Finance.
Examination of economic incentives and rationale for multinational firms,exchange rate risk exposure and management, investment decision strategy, and the general economic impact of multinational firm activity. (MULT) Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5338. International Investments and Financial Management.
Examination of economic incentives and rationale for international investment and financing. Topics include exchange rate risk exposure and management, global debt and equity investment and financing, foreign currency derivative markets, and general investment and financing strategy in global capital market. Prerequisite: B A 5352 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5347C. Real Estate Investment.
An application of capital budgeting to real estate investment decisions. Prerequisite: FIN 5387 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FIN 5387. Managerial Finance.
Concentrates on the finance function, analysis and budgeting of funds,management of current assets, short and intermediate-term financing requirements, long-term debt policy and capital structure, capital budgeting, and the concept of cost of capital. Risk and return trade-offs also are studied. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5395. Independent Study in Finance.
An in-depth study of a single topic or related problem solved through finance research. The course may be repeated once if the topic studied is different. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Management (MGT)

MGT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5301. Graduate Assistant Development.
Completion of this course is required as a condition of employment for graduate assistants. The course is seminar based and covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MGT 5310. Organizational Change Management.
Presents an overview of the process of change in an organization and stresses the key issues involved in reengineering and renewing organizations. Problems dealing with stress and conflict during major change will be explored along with practical ideas on building effective teams to make change possible and sustainable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5311. Process Improvement Management in Organizations.
Learn existing and latest developments in process improvement techniques for continuous improvement and the role of quality as a system for establishing an organization's competitive advantage. Process mapping is emphasized and assessment of effectiveness in the interactions of the managerial and technical systems of organizations is also studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5312. Seminar in Management.
Development of philosophy, strategy, and tactics in managing an enterprise. Administrative processes common to all enterprises, such as entrepreneurship, business and society, leadership and group behavior in organizations, business ethics, and international management. (Course may be repeated for credit with different course focus.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5313. Strategic Management.
An integrative approach to policy formulation and administration (decision making) to achieve organization objectives. Should be taken the last semester of student's MBA program. Prerequisite: ACC 5361 and FIN 5387 and MKT 5321 and QMST 5334 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5314. Organizational Behavior and Theory.
Organizational behavior and structure as influenced by environmental variables and system relationships. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5315. New Venture Management.
This course provides an overview of the entrepreneurial process from the initial idea through start-up, growth, and harvest. Students learn how to write a business plan, manage all the elements of an entrepreneurial business, and develop a better understanding of the requirements of the entrepreneurial life path.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5318. Cross-Cultural Management.
The global environment requires sensitivity to and the adaptation of leadership and management skills and practices, and the culture-bound differences in workplace behavior and attitudes. Explores how differences in cultural core values shape behavior and attitudes of workers, managerial colleagues, and negotiating partners. Prerequisites: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5321. Supply Chain Management.
A variety of tools and frameworks provide students and understanding of the basis behind supply chain decision making. Topics include supply management concepts, demand-supply management, pull/push system, capacity and resource allocation, performance measurement, relationship assessment, and outsourcing in an integrated supply chain. Require graduate standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5325. Managing Business Creativity.
This course focuses on the means by which businesses and individuals foster and maintain their creative and innovative skills. Key topics include: idea generation and refinement, idea screening, prototype development, and feasibility analysis. Objectives are met through classroom exercises, case analysis, guest speakers, and individual and team projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5330. Seminar in Human Resource Management.
A study of current developments and practices in human resource management, including employment laws; planning, recruitment and selection; training and development programs; wage and benefits administration; performance management, human relations and productivity; labor relations; safety and health; an current contributions to human resource management theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5333. Problems in Business Administration.
The student is here given the opportunity to work in the field of his special interest, particularly in the subjects of accounting, business law, marketing, statistics, finance, and insurance. The course will be conducted by conferences between the student and instructors concerned. Problems will be assigned as nearly as possible for the needs of the individual student.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5335. New Venture Launch.
The purpose of this class is to ensure students gain a full understanding of what it takes to start and grow a business. Students learn the process of creating a new venture from the inside by planning, organizing and launching an actual business. Prerequisite: MGT 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5336. Compensation and Benefits.
This course addresses the rewards systems in organizations. Strategic and technical considerations in designing, administering and managing compensation and benefits plans in organizations, including job analysis and evaluation, wage levels and structures, legal issues, individual and group incentives, and benefits are considered. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5337. Organizational Staffing.
A study of the methods involved in recruitment and selection of employees with an emplasis on measurement, job analysis, performance appraisal, legal issues, and the role of human resource planning and strategy. This course relies on statistics to teach students to make reliable and valid employment decisions. Prerequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5338. Human Resource Development.
A study of theoretical and applied perspectives on needs assessment, design, development delivery and evaluation of training and development as well as organizational change and development. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5339. International Human Resource Management.
A study of challenges that decision makers consider when managing their human resources across the globe. Drawing on theories and models from cross-cultural and international management areas, this course covers such topics as globalization, culture, emerging international assignments, and expatriate recruitment, selection, training, repatriation, and career management. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5375. International Management-Latin America.
A study of the cultural, economic, regulatory, and political factors impacting international business. Emphasis is placed on theory and research of management phenomena in Latin America and on issues mediating commercial and governmental relations between the United State and Latin American countries. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MGT 5380A. Business Ethics Leadership.
This course examines a variety of ethical issues in business from multiple stakeholder perspectives (top management, employees, community members, etc.). The course is designed to enhance moral awareness and facilitate individual development with respect to making ethical decisions that contribute to effective corporate management and leadership.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MGT 5380B. Human Resource Information Systems.
This course provides an overview of functional areas in an HRIS system with a focus on the acquisition of skills with respect to the software as well as knowledge regarding the implementation process, associated benefits and costs, and the application of HRIS to manage critical HRM processes. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380C. Group Dynamics in Organizations.
This course explores the theoretical framework of group interactions as well as the practical workplace challenges associated with organizing, participating on, and managing teams and groups. It addresses the development and use of teams to improve business organizations and is recommended for graduate students preparing for business careers. Prerequisite: B A 5351 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380D. Labor Relations and Negotiation.
This graduate level course is a study of labor organizations and their impact as well as negotiation and conflict resolution issues. The course will examine the National Labor Relations Act (NLRA), union and employer rights under the NLRA, union organizing, collective bargaining, negotiation, contract administration, mediation and arbitration. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380E. International Leadership.
Course will include lectures, business engagements, cultural excursions, and a service-learning project. To reinforce the theories discussed in class students will interact directly with managers, employees, and international business professionals, learn perspective on cultural and leadership issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5390. Business Research Methods.
Designed to aid graduate students in analyzing reports, evaluating research and in planning research reports. Involves the selection of research problems, sources of data, analysis, presentation, report writing, directed reading, class reports, and a research problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5391. Managing the Communication Process.
The study and application of theory and psychology of managerial communication using written, oral, and technological modes to communicate within the business environment. The course includes the process and product approach to graphics, leadership, problem solving, prioritizing, interviewing, and communicating change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5395. Graduate Business Internship.
Integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in MGT 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Marketing (MKT)

MKT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5321. Marketing Management.
A study of the planning and coordination of marketing functions, marketing policies, and the analysis of marketing administration. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5322. Marketing Research Methods.
An advanced study of the marketing research process to include problem formulation, determination of sources of information and research design, design of data collection forms, design of the sample, collection of the data, analysis and interpretation of the data, preparation of the research report, and oral presentation of the research findings. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5323. Qualitative Research in Marketing.
This course examines qualitative methods as used in marketing and market research. Topics include the design and execution of qualitative research projects using various qualitative methodological approaches. Activities include application of qualitative methods for conducting research. Students will apply learning in a qualitative research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5325. Global Marketing and the Value Chain.
To understand the value chain concept and the linkages between value chains in the global marketplace. This will include evaluating the various value chains: supplier, firm, channel, and buyer in the global context. Topics will include procurement, operations, logistics, negotiation, marketing channels, and customer service.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5330. International Marketing.
An application of marketing concepts to the global business environment. Examines marketing in the light of international economic, social, cultural, business, and environmental factors. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5331. Integrated Marketing Communications.
An analysis of consumer behavior in the marketplace and its application to the preparation and presentation of a complete integrated marketing communications plan for a local, regional, and/or national client. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5335. Services Marketing.
Services dominate the U.S. economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5340. Digital Marketing.
This course examines marketing strategies in the digital environment. It examines the latest technology and analytical tools used in e-marketing and e-commerce, including online advertising, mobile marketing, social media marketing, search marketing, email marketing, and web analytics. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5345. Marketing Analytics.
This course is a study of the scientific approach that connects customer data and competitive information to drive marketing decision-making. The course explores customer data analysis techniques and their theoretical foundations that are applied to real world business problems. Students will learn software, conduct data analysis and communicate the results. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5350. Strategic Marketing Analysis and Planning.
This course examines strategic marketing decision making through the analysis and interpretation of marketing intelligence, metrics, and dashboards. Topics will include data-driven decision making on marketing challenges pertaining to customers, brands, marketing mix decisions, online strategy and social media, market performance, and firm profitability. Prerequisite: MKT 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5395. Independent Study in Marketing.
Individual problems or topics will be designed and completed to emphasize selected areas of study in Marketing. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5397C. Technology and Marketing.
Technology & Marketing covers the impact of new information technologies on marketing and marketing industries undergoing high levels of technological change. Subject areas such as social media, e-commerce, database marketing, business-to –business marketing, and customer contact management are examined and illustrated in industry settings that emphasize innovation through new technologies. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MKT 5397D. Marketing Metrics and Analysis.
To understand the measurement, analysis, and interpretation of marketing metrics that are critical for marketing strategy development and firm performance. Topics will include metrics associated with customers, brands, marketing mix decisions, online strategy and social media, firm profitability, and marketing dashboards. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MKT 5398. Internship in Marketing.
Internship in marketing is an external employer supervised, experiential learning course that enables a student to integrate professional and graduate business coursework. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5399A. Thesis.
This course represents a student's initial thesis enrollments. No thesis credit is awarded until student has completed the thesis in Marketing Research and Analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MKT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Quantitative Methods and Statistics (QMST)

QMST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5332. Optimization.
A study of management science/operations research emphasizing theory and applications of evaluative, predictive, and optimizing models as applied to the management of product and service-oriented operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5334. Statistical Methods for Business.
The course provides the quantitative foundation for business analysis and decision making. Topics include: inferential statistics, regression analysis, and other analytical/modeling techniques with wide applicability in decision-making and problem solving in all functional areas of business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5335. Forecasting and Simulation.
This course introduces the concepts and principles of forecasting and simulation techniques as applies to planning and decision making in organizations. Topical coverage includes time series forecasting, casual forecasting, discrete event simulation, and continues-event simulation techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5336. Analytics.
This course introduces analytics which refers to the process of transforming data into information for making decisions. The topics include the introduction to analytics, visualization, analytics applications, and challenges related to business data. Students will learn how to use software, conduct data analysis and communicate their results.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5342. Probability and Statistical Models.
This course introduces the concept of probability and probability distributions. It includes general and generalized linear models, inflated and mixture models, and hierarchical models. Model validity and choice will also be discussed. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5343. Data Mining.
This course covers data mining concepts and applications of data mining techniques to solve business problems. It emphasizes algorithms such as classification, clustering, association, and text mining. Model selection and assessment are also emphasized. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5369. Independent Study in Quantitative Methods.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in quantitative methods and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5390A. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 5395. Internship in Analytics.
This course is based on experiential learning while the student works in quantitative methods and statistics. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

QMST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Business Administration (M.B.A.) Major in Business Administration (Full-Time Cohort)

Program Overview

The Master of Business Administration (M.B.A.) degree with a major in Business Administration program in the McCoy College emphasizes the knowledge and tools needed for professional success and is designed for those individuals who expect to pursue careers in the management of organizations in either the public or private sector. The curriculum provides broad-based, generalized education with the flexibility to meet individual needs. Students may choose an optional concentration in one of five areas of study in a flexible format or select a full-time cohort program. The entire Flex M.B.A. programs can be completed at either the San Marcos or Round Rock campus while the Full-Time Cohort program is available exclusively at the San Marcos campus.

Students in the Flex M.B.A. program with a **Computer Information Systems Concentration** learn how technology has changed the way business operates and how to harness the power of technology in various business management settings.

The Flex M.B.A. with an **Engineering Technology Concentration** is offered in cooperation with the Department of Engineering Technology, an academic division of the College of Science and Engineering. M.B.A. students pursuing the Engineering Technology Concentration should find enhanced career opportunities with companies oriented significantly toward manufacturing.

Students interested in careers related to international business may choose to seek the Flex M.B.A. degree with an **International Business Concentration**. This program is designed to provide focused study in international business including cultural, historical, and political issues. While this program is available to all students in the M.B.A. program, it is especially well suited for undergraduate students in the international studies undergraduate program.

If a student's interest is the healthcare industry, the Flex M.B.A. with a **Healthcare Administration Concentration** may be for them. Offered jointly with the College of Health Professions, the program combines academic content from both colleges to prepare students for a successful career in healthcare.

For those interested in the field of human resources, a Flex M.B.A. with a **Human Resource Management Concentration** is available. This program provides information on organizational change, staffing, compensation and benefits, and international HR.

The **Full-Time Cohort** M.B.A. is offered exclusively at the San Marcos campus. In addition to the core courses, students must complete an internship and study abroad experience in a specific semester as outlined for each cohort group.

Each of the above programs require completing course work from three sets of courses:

- Courses in the first set constitute Tier 1 core courses. They are designed to give students a strong foundation in business as well as begin intensive professional development. These courses must be completed for any of the M.B.A. options selected.
- The second set of courses are the Tier 2 core courses. The purpose of the Tier 2 core courses is to ensure that all students completing a program of study have a common academic experience in all areas critical to success in a discipline. While all M.B.A. options require a similar set of Tier 2 core courses, there are some exceptions noted on the Requirements tab.
- The third set of courses for the M.B.A. options is the elective courses. In addition to the required Tier 1 and Tier 2 core courses for each M.B.A. option, the degree candidate is allowed to select a group of courses from an approved set of electives. The exact number of elective courses varies between degree options. Course requirements for each M.B.A. option are described on the Requirements tab.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- responses to specific essay questions
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two letters of recommendation from persons best able to assess the student's ability to succeed in graduate school
- official GMAT or GRE (general test only) with competitive scores. An applicant may select the Conditional Start Option. Under this option, an applicant may be considered for conditional admission if they choose not to supply a GMAT/GRE score. Applicants must meet all other admission requirements. Applicants admitted under the Conditional Start Option must earn a 'B' or better in each of the first nine hours of the program and are not eligible for graduate assistantships or scholarship/fellowships until this condition is met. If the condition is not met, the student is suspended from the program.

TOEFL or IELTS Scores

- Non-native English speakers who do not qualify for an English proficiency waiver.
- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading

- 19 speaking
- 18 writing

- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Business Administration (M.B.A.) degree with a major in Business Administration requires 36 semester credit hours.

B A 5351 should be taken in the first semester and MGT 5313 should be taken in the last term because it serves as the capstone course and includes the comprehensive examination.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
B A 5100	Business Professional Development Seminar (Taken three times in different terms)	3
B A 5351	Organizational Performance and Competitive Advantage	3
B A 5352	Developing the Financial Perspective of the Firm	3
ACC 5361	Accounting Analysis for Managerial Decision Making	3
ECO 5316	Managerial Economics	3
QMST 5334	Statistical Methods for Business	3
MGT 5313	Strategic Management	3
MGT 5314	Organizational Behavior and Theory	3
MGT 5321	Supply Chain Management	3
MKT 5321	Marketing Management	3
Internship and Study Abroad		
MGT 5395	Graduate Business Internship	3
B A 5368A	MBA Full Time Cohort International Experience	3
Total Hours		36

Comprehensive Examination Requirement

The comprehensive examination consists of a consulting project with companies in the community. The exam is a written paper and oral presentation at the end of the semester, associated with capstone course MGT 5313. If the student fails, they must retake the capstone course, MGT 5313, the following term.

Students who do not successfully complete the requirements for the degree within the timelines specified will be dismissed from the program.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to

work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Business Administration: ACC (p. 957), B A (p. 959), BLAW (p. 960), CIS (p. 961), ECO (p. 962), FIN (p. 963), MGT (p. 963), MKT (p. 966), QMST (p. 967)

Courses Offered

Students must complete the appropriate background course or its equivalent before enrolling in elective courses.

Accounting (ACC)

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor's judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual's employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Business Administration (B A)

B A 5351. Organizational Performance and Competitive Advantage.
This course is designed to provide an integrative understanding of the firm. A variety of organizational models and perspectives will be incorporated to facilitate understanding of the complexities of the firm, its environments, and its relationships with stakeholders. Includes focus on case analysis issues and communication skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5352. Developing the Financial Perspective of the Firm.
Development of the theoretical basis and presentation of accounting and finance. Topics include understanding the basic elements of financial statements, the use of accounting information in decision making, and the techniques for the acquisition and management of the firm's financial resources. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5353. Understanding and Analyzing Organizational Problems.
An introduction to the concepts of economic theory and optimization, with an emphasis on developing skills in data and economic analysis to solve business problems. Coverage includes prices, costs, market structures, macroeconomic policies, and optimization. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5368A. MBA Full Time Cohort International Experience.
This course will focus on developing an understanding and analysis of issues related to business challenges in another country. Students will gain first-hand experience with the business practices, culture and economy of another country. Corequisite: MGT 5313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

B A 5396. Internship in Business Administration.
This course is based on experiential learning while the student works in business administration. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 5398. Independent Study in Business Administration.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in business administration and work independently on a specialized project. Course may be repeated with approval of associate dean for graduate programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Business Law (BLAW)

BLAW 5310. The Employment Relationship.
A study of trends in the rapidly evolving “law of workplace,” with emphasis on how lawmakers attempt to balance the rights and responsibilities of employers and workers. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5333. Legal Issues of Sustainability and Responsibility.
Diverse frameworks and analytical methods underlying our understanding of sustainability are explored, including the legal aspects & impact on business, society, environment and economy. Topics include corporate governance, globalization, urbanization, energy, human population, food, natural resources, water and equity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5364. Commercial Law.
A traditional business law course which examines sales, negotiable instruments, creditor’s rights and remedies, secured transactions, bankruptcy law, personal property, bailments, real property and landlord-tenant relationships. Prerequisite: BLAW 2361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5368B. Law and Ethics in the Business Environment.
An examination of the ethical dimensions of management decision-making. Problems are viewed through the lens of a value system determined, in part, by the legal system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368D. Business Dispute Administration.
Course describes civil and religious law systems, both in the U.S. and abroad, alternative dispute resolution programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368E. Environmental Law and Policy.
Course attempts to integrate the study of environmental law w/ concepts from other disciplines necessary to an assessment of the law, primarily economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368F. Business Law for Entrepreneurs.
Course explores steps that an entrepreneur who is contemplating leaving an employer can take to make the departure amicable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368G. Legal Issues in International Business.
This course examines legal issues relevant to international business transactions, emphasizing international trade, licensing of intellectual property, and foreign direct investment. Environmental, dispute resolution, labor, e-commerce, marketing, and ethical issues will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BLAW 5368I. International Business Ethics.
This course examines the legal and ethical challenges inherent in international marketing, international environmental and energy practices, international labor and employment practices, trade negotiations, foreign direct investment, intellectual property licensing, technology development, data collection mining, corporate tax inversion, and global corporate social responsibility. Students will also discuss the individual behavioral, organizational, and cultural factors that influence ethical and unethical business decisions in the global business environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Computer Information Systems (CIS)

CIS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5318. Information Technology in the Digital Economy.
Provides an understanding of the issues involved in the strategic management of the information assets of organizations. Examines the issues and challenges that users face within the Information Technology (IT) management arena as part of a firm's business and IT strategy. Focus is on managerial rather than technical issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5355. Database Management Systems.
Explores the concepts, principles, issues and techniques for managing corporate data resources using database management systems. The course includes techniques for analysis, design and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating database management software. Students will use a relational database management system to develop a management information system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5356. Business Telecommunications.
Explores the technology that is revolutionizing the manner in which business and government conduct their operations and the effects new developments in communication media have on computing systems. This course reflects the current state-of-the-art in data communication networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5357. Computing for Data Analytics.
This course focuses on fundamentals of programming. Students will learn to design and implement applications, and programmatically handle a variety of data management functionalities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5358. Agile Project Management For Business Professionals.
An in-depth study of the project management body of knowledge as applied to Information Technology with emphasis on Agile methodologies and the management of scope, costs, schedules, quality and risks. Includes program management, system methodologies, material procurement, and human, cultural, and international issues and their impact on the organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5360. E-Commerce: Strategies, Technologies, and Applications.
This course is designed to familiarize students with current and emerging e-commerce technologies. Topics include Internet technology for business advantage, reinventing the future of business through e-commerce, business opportunities in e-commerce, and social, political, global, and ethical issues associated with ecommerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5364. Data Warehousing.
Familiarizes students with current and emerging data warehousing technologies that play a strategic role in business organizations. Topics include data warehouse development life cycle, data warehouse navigation, data quality, and performance issues. Prerequisites: CIS 5355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5367. Machine Learning.
This course focuses on deriving actionable knowledge from data using algorithms and industry standard tools. It covers the complete process, key technologies, core machine learning algorithms, and programming used for business intelligence. Prerequisite: CIS 5357 and QMST 5336 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5368. Information Security.
This course covers the analysis, design, development, implementation, and maintenance of information security systems. Topics include legal, ethical, professional, personnel issues; risk management; technology; cryptography; and physical security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5369. Independent Study in Computer Information Systems.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in CIS and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 5370. Enterprise Resource Planning and Business Intelligence.
The use of information technology in integrating enterprises for operational control and business intelligence is examined via Enterprise Resource Planning (ERP) applications in customer relationships management, accounting, finance, purchasing, production control, sales, marketing, and human resource management. Emphasizes managerial issues surrounding the need, selection, and implementation of ERP systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5371. Accounting Information Systems and Controls.
A study of accounting information systems and controls as well as their role in the current technology-intensive business environment. Emphasis is placed on contemporary technology and applications, IT and business systems assessments, IT internal controls, control concepts and procedures, information systems auditing, and transaction cycles. Prerequisite: ACC 3313 or ACC 5361 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5378. Information Security Policies and Compliance.
This course focuses on the technology and managerial issues related to information policies, regulations, and compliance that assure confidentiality, integrity, and availability of data and computer systems. Topics include information security policy, regulations, laws, standards, framework, compliance, and governance. Prerequisite: CIS 5368 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5390C. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CIS 5395. Internship in Computer Information Systems.
This course provides students with opportunities for experiential learning by working on a computer information systems project. It enables integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CIS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Economics (ECO)

ECO 5302. Economic Theory and Policy.
An intensive study of micro-and macroeconomic concepts; the price system as it functions under competition, monopoly, monopolistic competition and oligopoly; national income measurement and determination; business cycles; money and baking; monetary policy; fiscal policy and economic stabilization. May not be counted as an elective MBA course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ECO 5310. International Economics.
Examination of the patterns of trade and finance among nations, integrating the topics of exchange rates, trade barriers, customs unions, and macroeconomics policy into a unified treatment of international economic relations. Prerequisite: B A 5353 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ECO 5316. Managerial Economics.
The application of economic theory and analysis to the formulation of business policy, including demand analysis, production theory, linear programming, and pricing policy. (MBA with Technology Emphasis students complete TECH 5315.) Prerequisite: QMST 5334 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5320. Emerging Market Economies.
The course focuses on the structural characteristics of the emerging market economies, with an emphasis on analyzing the salient economic challenges and opportunities facing contemporary emerging market economies. Prerequisites: B A 5353 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5378. Macroeconomic Theory and Policy.
An analysis of theory and policy questions relating to the rate of economic growth. The theory of national income, employment and the price level from the point of view of dynamics. Students may take either BA 5378 or BA 5316. Prerequisite: BA 5302 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Finance (FIN)

FIN 5307. Financial Analysis.
Development of the theoretical basis and presentation of the techniques for the acquisition and management of the firm's financial resources. Topics include working capital management, capital budgeting, and internal and external financing decisions. May not be counted as an MBA elective course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FIN 5322. Investment Analysis.
This course provides an introduction to the basic concepts of investments and investment management. It is designed to develop a framework within which to view the investment process in a global environment and an understanding of the institutional setting in which investment decisions are made. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5332. Portfolio Theory and Capital Markets.
This course is designed to provide students with an overview of the strategies for creating and managing portfolios. At the end of this course, students should understand the tools for investment management. Topics covered include portfolio construction and analysis, risk analysis, asset class management, derivatives, and portfolio performance analysis. Prerequisite: FIN 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5337. International Finance.
Examination of economic incentives and rationale for multinational firms,exchange rate risk exposure and management, investment decision strategy, and the general economic impact of multinational firm activity. (MULT) Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5338. International Investments and Financial Management.
Examination of economic incentives and rationale for international investment and financing. Topics include exchange rate risk exposure and management, global debt and equity investment and financing, foreign currency derivative markets, and general investment and financing strategy in global capital market. Prerequisite: B A 5352 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5347C. Real Estate Investment.
An application of capital budgeting to real estate investment decisions. Prerequisite: FIN 5387 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FIN 5387. Managerial Finance.
Concentrates on the finance function, analysis and budgeting of funds,management of current assets, short and intermediate-term financing requirements, long-term debt policy and capital structure, capital budgeting, and the concept of cost of capital. Risk and return trade-offs also are studied. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5395. Independent Study in Finance.
An in-depth study of a single topic or related problem solved through finance research. The course may be repeated once if the topic studied is different. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Management (MGT)

MGT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5301. Graduate Assistant Development.
Completion of this course is required as a condition of employment for graduate assistants. The course is seminar based and covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MGT 5310. Organizational Change Management.
Presents an overview of the process of change in an organization and stresses the key issues involved in reengineering and renewing organizations. Problems dealing with stress and conflict during major change will be explored along with practical ideas on building effective teams to make change possible and sustainable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5311. Process Improvement Management in Organizations.
Learn existing and latest developments in process improvement techniques for continuous improvement and the role of quality as a system for establishing an organization's competitive advantage. Process mapping is emphasized and assessment of effectiveness in the interactions of the managerial and technical systems of organizations is also studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5312. Seminar in Management.
Development of philosophy, strategy, and tactics in managing an enterprise. Administrative processes common to all enterprises, such as entrepreneurship, business and society, leadership and group behavior in organizations, business ethics, and international management. (Course may be repeated for credit with different course focus.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5313. Strategic Management.
An integrative approach to policy formulation and administration (decision making) to achieve organization objectives. Should be taken the last semester of student's MBA program. Prerequisite: ACC 5361 and FIN 5387 and MKT 5321 and QMST 5334 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5314. Organizational Behavior and Theory.
Organizational behavior and structure as influenced by environmental variables and system relationships. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5315. New Venture Management.
This course provides an overview of the entrepreneurial process from the initial idea through start-up, growth, and harvest. Students learn how to write a business plan, manage all the elements of an entrepreneurial business, and develop a better understanding of the requirements of the entrepreneurial life path.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5318. Cross-Cultural Management.
The global environment requires sensitivity to and the adaptation of leadership and management skills and practices, and the culture-bound differences in workplace behavior and attitudes. Explores how differences in cultural core values shape behavior and attitudes of workers, managerial colleagues, and negotiating partners. Prerequisites: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5321. Supply Chain Management.
A variety of tools and frameworks provide students and understanding of the basis behind supply chain decision making. Topics include supply management concepts, demand-supply management, pull/push system, capacity and resource allocation, performance measurement, relationship assessment, and outsourcing in an integrated supply chain. Require graduate standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5325. Managing Business Creativity.
This course focuses on the means by which businesses and individuals foster and maintain their creative and innovative skills. Key topics include: idea generation and refinement, idea screening, prototype development, and feasibility analysis. Objectives are met through classroom exercises, case analysis, guest speakers, and individual and team projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5330. Seminar in Human Resource Management.
A study of current developments and practices in human resource management, including employment laws; planning, recruitment and selection; training and development programs; wage and benefits administration; performance management, human relations and productivity; labor relations; safety and health; an current contributions to human resource management theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5333. Problems in Business Administration.
The student is here given the opportunity to work in the field of his special interest, particularly in the subjects of accounting, business law, marketing, statistics, finance, and insurance. The course will be conducted by conferences between the student and instructors concerned. Problems will be assigned as nearly as possible for the needs of the individual student.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5335. New Venture Launch.
The purpose of this class is to ensure students gain a full understanding of what it takes to start and grow a business. Students learn the process of creating a new venture from the inside by planning, organizing and launching an actual business. Prerequisite: MGT 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5336. Compensation and Benefits.
This course addresses the rewards systems in organizations. Strategic and technical considerations in designing, administering and managing compensation and benefits plans in organizations, including job analysis and evaluation, wage levels and structures, legal issues, individual and group incentives, and benefits are considered. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5337. Organizational Staffing.
A study of the methods involved in recruitment and selection of employees with an emplasis on measurement, job analysis, performance appraisal, legal issues, and the role of human resource planning and strategy. This course relies on statistics to teach students to make reliable and valid employment decisions. Prerequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5338. Human Resource Development.
A study of theoretical and applied perspectives on needs assessment, design, development delivery and evaluation of training and development as well as organizational change and development. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5339. International Human Resource Management.
A study of challenges that decision makers consider when managing their human resources across the globe. Drawing on theories and models from cross-cultural and international management areas, this course covers such topics as globalization, culture, emerging international assignments, and expatriate recruitment, selection, training, repatriation, and career management. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5375. International Management-Latin America.
A study of the cultural, economic, regulatory, and political factors impacting international business. Emphasis is placed on theory and research of management phenomena in Latin America and on issues mediating commercial and governmental relations between the United State and Latin American countries. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MGT 5380A. Business Ethics Leadership.
This course examines a variety of ethical issues in business from multiple stakeholder perspectives (top management, employees, community members, etc.). The course is designed to enhance moral awareness and facilitate individual development with respect to making ethical decisions that contribute to effective corporate management and leadership.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MGT 5380B. Human Resource Information Systems.
This course provides an overview of functional areas in an HRIS system with a focus on the acquisition of skills with respect to the software as well as knowledge regarding the implementation process, associated benefits and costs, and the application of HRIS to manage critical HRM processes. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380C. Group Dynamics in Organizations.
This course explores the theoretical framework of group interactions as well as the practical workplace challenges associated with organizing, participating on, and managing teams and groups. It addresses the development and use of teams to improve business organizations and is recommended for graduate students preparing for business careers. Prerequisite: B A 5351 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380D. Labor Relations and Negotiation.
This graduate level course is a study of labor organizations and their impact as well as negotiation and conflict resolution issues. The course will examine the National Labor Relations Act (NLRA), union and employer rights under the NLRA, union organizing, collective bargaining, negotiation, contract administration, mediation and arbitration. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380E. International Leadership.
Course will include lectures, business engagements, cultural excursions, and a service-learning project. To reinforce the theories discussed in class students will interact directly with managers, employees, and international business professionals, learn perspective on cultural and leadership issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5390. Business Research Methods.
Designed to aid graduate students in analyzing reports, evaluating research and in planning research reports. Involves the selection of research problems, sources of data, analysis, presentation, report writing, directed reading, class reports, and a research problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5391. Managing the Communication Process.
The study and application of theory and psychology of managerial communication using written, oral, and technological modes to communicate within the business environment. The course includes the process and product approach to graphics, leadership, problem solving, prioritizing, interviewing, and communicating change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5395. Graduate Business Internship.
Integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in MGT 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Marketing (MKT)

MKT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5321. Marketing Management.
A study of the planning and coordination of marketing functions, marketing policies, and the analysis of marketing administration. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5322. Marketing Research Methods.
An advanced study of the marketing research process to include problem formulation, determination of sources of information and research design, design of data collection forms, design of the sample, collection of the data, analysis and interpretation of the data, preparation of the research report, and oral presentation of the research findings. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5323. Qualitative Research in Marketing.
This course examines qualitative methods as used in marketing and market research. Topics include the design and execution of qualitative research projects using various qualitative methodological approaches. Activities include application of qualitative methods for conducting research. Students will apply learning in a qualitative research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5325. Global Marketing and the Value Chain.
To understand the value chain concept and the linkages between value chains in the global marketplace. This will include evaluating the various value chains: supplier, firm, channel, and buyer in the global context. Topics will include procurement, operations, logistics, negotiation, marketing channels, and customer service.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5330. International Marketing.
An application of marketing concepts to the global business environment. Examines marketing in the light of international economic, social, cultural, business, and environmental factors. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5331. Integrated Marketing Communications.
An analysis of consumer behavior in the marketplace and its application to the preparation and presentation of a complete integrated marketing communications plan for a local, regional, and/or national client. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5335. Services Marketing.
Services dominate the U.S. economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5340. Digital Marketing.
This course examines marketing strategies in the digital environment. It examines the latest technology and analytical tools used in e-marketing and e-commerce, including online advertising, mobile marketing, social media marketing, search marketing, email marketing, and web analytics. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5345. Marketing Analytics.
This course is a study of the scientific approach that connects customer data and competitive information to drive marketing decision-making. The course explores customer data analysis techniques and their theoretical foundations that are applied to real world business problems. Students will learn software, conduct data analysis and communicate the results. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5350. Strategic Marketing Analysis and Planning.
This course examines strategic marketing decision making through the analysis and interpretation of marketing intelligence, metrics, and dashboards. Topics will include data-driven decision making on marketing challenges pertaining to customers, brands, marketing mix decisions, online strategy and social media, market performance, and firm profitability. Prerequisite: MKT 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5395. Independent Study in Marketing.
Individual problems or topics will be designed and completed to emphasize selected areas of study in Marketing. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5397C. Technology and Marketing.
Technology & Marketing covers the impact of new information technologies on marketing and marketing industries undergoing high levels of technological change. Subject areas such as social media, e-commerce, database marketing, business-to –business marketing, and customer contact management are examined and illustrated in industry settings that emphasize innovation through new technologies. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MKT 5397D. Marketing Metrics and Analysis.
To understand the measurement, analysis, and interpretation of marketing metrics that are critical for marketing strategy development and firm performance. Topics will include metrics associated with customers, brands, marketing mix decisions, online strategy and social media, firm profitability, and marketing dashboards. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MKT 5398. Internship in Marketing.
Internship in marketing is an external employer supervised, experiential learning course that enables a student to integrate professional and graduate business coursework. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5399A. Thesis.
This course represents a student's initial thesis enrollments. No thesis credit is awarded until student has completed the thesis in Marketing Research and Analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MKT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Quantitative Methods and Statistics (QMST)

QMST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5332. Optimization.
A study of management science/operations research emphasizing theory and applications of evaluative, predictive, and optimizing models as applied to the management of product and service-oriented operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5334. Statistical Methods for Business.
The course provides the quantitative foundation for business analysis and decision making. Topics include: inferential statistics, regression analysis, and other analytical/modeling techniques with wide applicability in decision-making and problem solving in all functional areas of business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5335. Forecasting and Simulation.
This course introduces the concepts and principles of forecasting and simulation techniques as applies to planning and decision making in organizations. Topical coverage includes time series forecasting, casual forecasting, discrete event simulation, and continues-event simulation techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5336. Analytics.
This course introduces analytics which refers to the process of transforming data into information for making decisions. The topics include the introduction to analytics, visualization, analytics applications, and challenges related to business data. Students will learn how to use software, conduct data analysis and communicate their results.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5342. Probability and Statistical Models.
This course introduces the concept of probability and probability distributions. It includes general and generalized linear models, inflated and mixture models, and hierarchical models. Model validity and choice will also be discussed. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5343. Data Mining.
This course covers data mining concepts and applications of data mining techniques to solve business problems. It emphasizes algorithms such as classification, clustering, association, and text mining. Model selection and assessment are also emphasized. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5369. Independent Study in Quantitative Methods.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in quantitative methods and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5390A. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 5395. Internship in Analytics.
This course is based on experiential learning while the student works in quantitative methods and statistics. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

QMST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Department of Accounting

McCoy Hall Room 431
T: 512.245.2566 F: 512.245.7973
http://www.accounting.mccoy.txstate.edu/

The Master of Accountancy (M.Acy.) degree is designed to broaden the educational experience of individuals preparing for a career in the public accounting profession. Students explore the social, ethical, and environmental effects of accounting information on those who rely on it for their decision-making needs. The M.acy. program can be used to satisfy the 150-hour education requirement for the Certified Public Accountant (CPA) exam in Texas. An undergraduate degree in Accounting is not required.

Texas State is one of only 186 business schools worldwide (top 5%) to be accredited in both general business and accounting by the Association to Advance Collegiate Schools of Business (AACSB). AACSB Accreditation is known, worldwide, as the longest standing, most recognized form of specialized/professional accreditation an institution and its accounting programs can earn.

Master of Accountancy (M.Acy.)

- Major in Accounting (p. 969)
- Major in Accounting (Auditing Concentration) (http://mycatalog.txstate.edu/graduate/mccoy-business-administration/accounting/auditing-macy)
- Major in Accounting (Information Technology Concentration) (http://mycatalog.txstate.edu/graduate/mccoy-business-administration/accounting/informationtechnology-macy)
- Major in Accounting (Taxation Concentration) (http://mycatalog.txstate.edu/graduate/mccoy-business-administration/accounting/taxation-macy)
- Major in Accounting B.B.A./M.Acy. (Integrated) (p. 985)

Master of Accountancy (M.Acy.) Major in Accounting

Major Program

The Master of Accountancy (M.Acy.) degree with a major in Accounting is designed to broaden the educational experience of individuals preparing for a career in the public accounting profession. Students explore the social, ethical, and environmental effects of accounting information on those who rely on it for their decision making needs. The M.Acy. program can be used to satisfy the 150-hour education requirement for the Certified Public Accountant (CPA) exam in Texas.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- **Before applying** to the program, applicants must have completed a minimum of ACC 3313 and ACC 3314 with a grade of "B" or better and at least 6 additional hours of upper level accounting courses from the following for a total of 12 upper level accounting hours: ACC 3363, ACC 3365, ACC 3385, ACC 4313, ACC 4328.
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two forms of recommendation from persons best able to assess the student's ability to succeed in graduate school
- responses to specific essay questions
- official GMAT or GRE (general test only) with competitive scores
  - A GRE or GMAT waiver and essay waiver may be available for Texas State accounting undergraduate applicants who have:
    - earned a minimum of a 3.2 GPA or higher in the last 60 hours of undergraduate course work
    - earned a minimum of a 3.4 GPA or higher in upper-level accounting courses
    - provided at least two reference forms from Texas State faculty

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Accountancy (M.Acy.) degree with a major in Accounting requires 30 semester credit hours. Students must complete a comprehensive examination at the end of the program to satisfy university requirements. Students who do not have the appropriate background course work may be required to complete leveling or prerequisite courses.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts

as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
ACC 5316	Advanced Accounting	3
ACC 5350	Professional Accounting Research	3
ACC 5366	Business Entity Taxation	3
ACC 5357	Regulation and Professionalism	3
ACC 5389	Corporate Governance and Ethics	3
Restricted Elective		
Choose 3 hours from the following:		3
CIS 5355	Database Management Systems	
CIS 5368	Information Security	
CIS 5371	Accounting Information Systems and Controls	
QMST 5332	Optimization	
QMST 5334	Statistical Methods for Business	
QMST 5335	Forecasting and Simulation	
QMST 5336	Analytics	
QMST 5390	Topics in Data Analytics	
Accounting Electives		
Choose 3-12 hours from the following:		3-12
ACC 5320	Auditing	
ACC 5352	Financial Statement Reporting and Analysis	
ACC 5355	IT Auditing	
ACC 5362	Cost and Managerial Accounting Theory	
ACC 5367	Seminar in Auditing	
ACC 5369	Special Studies in Accounting	
ACC 5370	Internship in Accounting	
ACC 5371	Accounting Information Systems	
ACC 5373	Fraud Detection and Prevention	
ACC 5375	Business Information Consulting	
ACC 5372	Tax Research	
ACC 5377	Partnership Taxation	
ACC 5378	Tax Practice, Procedures, Audits and Controversy	
ACC 5390A	International Accounting	
ACC 5390F	Mergers, Acquisitions, and Consolidations Taxation	
ACC 5390G	Sustainability Reporting	
ACC 5680	Internship in Accounting	
Business Electives		
Choose 0-9 hours from the following:		0-9
BLAW 5310	The Employment Relationship	
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368B	Law and Ethics in the Business Environment	
BLAW 5368F	Business Law for Entrepreneurs	
BLAW 5368G	Legal Issues in International Business	
CIS 5356	Business Telecommunications	
CIS 5358	Agile Project Management For Business Professionals	
CIS 5360	E-Commerce: Strategies, Technologies, and Applications	
CIS 5364	Data Warehousing	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
ECO 5310	International Economics	
ECO 5320	Emerging Market Economies	
FIN 5322	Investment Analysis	
FIN 5332	Portfolio Theory and Capital Markets	
FIN 5337	International Finance	
FIN 5338	International Investments and Financial Management	
FIN 5347C	Real Estate Investment	
MGT 5310	Organizational Change Management	
MGT 5311	Process Improvement Management in Organizations	
MGT 5312	Seminar in Management	
MGT 5315	New Venture Management	
MGT 5318	Cross-Cultural Management	
MGT 5321	Supply Chain Management	
MGT 5325	Managing Business Creativity	
MGT 5330	Seminar in Human Resource Management	
MGT 5335	New Venture Launch	
MGT 5375	International Management-Latin America	
MGT 5390	Business Research Methods	
MGT 5391	Managing the Communication Process	
MGT 5395	Graduate Business Internship	
MKT 5322	Marketing Research Methods	
MKT 5325	Global Marketing and the Value Chain	
MKT 5330	International Marketing	
MKT 5331	Integrated Marketing Communications	
MKT 5335	Services Marketing	
MKT 5395	Independent Study in Marketing	
Total Hours		30

Courses for CPA Eligibility

All graduates will have the 30 upper-level accounting hours and ethics course required to sit for the CPA Exam in Texas, however, graduates may still need 24 hours of related business course work. To be eligible to sit for the CPA exam in Texas, the candidate must have 24 hours of upper level business courses. The 24 hours may be completed at a community college or university, at the undergraduate or graduate level. There is a limit of 6 hours in any one area (i.e., management, economics, business law, etc.). Additionally, business statistics and communication may be used to meet this requirement. For further information, please consult with the Texas State Board of Public Accountancy http://www.tsbpa.state.tx.us/.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Accounting: ACC

Courses Offered

Accounting (ACC)

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor's judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual's employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Accountancy (M.Acy.) Major in Accounting (Auditing Concentration)

Major Program

The Master of Accountancy (M.Acy.) degree with a major in Accounting is designed to broaden the educational experience of individuals preparing for a career in the public accounting profession. Students explore the social, ethical, and environmental effects of accounting information on those who rely on it for their decision making needs. The M.Acy. program can be used to satisfy the 150-hour education requirement for the Certified Public Accountant (CPA) exam in Texas.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- **Before applying** to the program, applicants must have completed a minimum of ACC 3313 and ACC 3314 with a grade of "B" or better and at least 6 additional hours of upper level accounting courses from the following for a total of 12 upper level accounting hours: ACC 3363, ACC 3365, ACC 3385, ACC 4313, ACC 4328.
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two forms of recommendation from persons best able to assess the student's ability to succeed in graduate school
- responses to specific essay questions
- official GMAT or GRE (general test only) with competitive scores
  - A GRE or GMAT waiver and essay waiver may be available for Texas State accounting undergraduate applicants who have:
    - earned a minimum of a 3.2 GPA or higher in the last 60 hours of undergraduate course work
    - earned a minimum of a 3.4 GPA or higher in upper-level accounting courses
    - provided at least two reference forms from Texas State faculty

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Accountancy (M.Acy.) degree with a major in Accounting concentration in Auditing requires 30 semester credit hours. Students must complete a comprehensive examination at the end of the program to satisfy university requirements. Students who do not have the

appropriate background course work may be required to complete leveling or prerequisite courses.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
ACC 5316	Advanced Accounting	3
ACC 5320	Auditing	3
ACC 5350	Professional Accounting Research	3
ACC 5355	IT Auditing	3
ACC 5357	Regulation and Professionalism	3
ACC 5366	Business Entity Taxation	3
ACC 5680	Internship in Accounting [1]	6
ACC 5389	Corporate Governance and Ethics	3
Restricted Elective		
Choose 3 hours from the following:		3
CIS 5355	Database Management Systems	
CIS 5368	Information Security	
CIS 5371	Accounting Information Systems and Controls	
QMST 5332	Optimization	
QMST 5335	Forecasting and Simulation	
QMST 5334	Statistical Methods for Business	
QMST 5336	Analytics	
QMST 5390	Topics in Data Analytics	
Accounting or Business Elective		
ACC 5352	Financial Statement Reporting and Analysis	
ACC 5362	Cost and Managerial Accounting Theory	
ACC 5367	Seminar in Auditing	
ACC 5369	Special Studies in Accounting	
ACC 5370	Internship in Accounting	
ACC 5373	Fraud Detection and Prevention	
ACC 5375	Business Information Consulting	
ACC 5390A	International Accounting	
ACC 5390F	Mergers, Acquisitions, and Consolidations Taxation	
ACC 5390G	Sustainability Reporting	
BLAW 5310	The Employment Relationship	
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368B	Law and Ethics in the Business Environment	
BLAW 5368F	Business Law for Entrepreneurs	
BLAW 5368G	Legal Issues in International Business	
CIS 5356	Business Telecommunications	
CIS 5358	Agile Project Management For Business Professionals	
CIS 5360	E-Commerce: Strategies, Technologies, and Applications	
CIS 5364	Data Warehousing	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
ECO 5310	International Economics	
ECO 5320	Emerging Market Economies	
FIN 5322	Investment Analysis	
FIN 5332	Portfolio Theory and Capital Markets	
FIN 5337	International Finance	
FIN 5338	International Investments and Financial Management	
FIN 5347C	Real Estate Investment	
MGT 5310	Organizational Change Management	
MGT 5311	Process Improvement Management in Organizations	
MGT 5312	Seminar in Management	
MGT 5315	New Venture Management	
MGT 5318	Cross-Cultural Management	
MGT 5321	Supply Chain Management	
MGT 5325	Managing Business Creativity	
MGT 5330	Seminar in Human Resource Management	
MGT 5335	New Venture Launch	
MGT 5375	International Management-Latin America	
MGT 5390	Business Research Methods	
MGT 5391	Managing the Communication Process	
MGT 5395	Graduate Business Internship	
MKT 5322	Marketing Research Methods	
MKT 5325	Global Marketing and the Value Chain	
MKT 5330	International Marketing	
MKT 5331	Integrated Marketing Communications	
MKT 5335	Services Marketing	
MKT 5395	Independent Study in Marketing	
Total Hours		30

Courses for CPA Eligibility

All graduates will have the 30 upper-level accounting hours and ethics course required to sit for the CPA Exam in Texas, however, graduates may still need 24 hours of related business course work. To be eligible to sit for the CPA exam in Texas, the candidate must have 24 hours of upper level business courses. The 24 hours may be completed at a community college or university, at the undergraduate or graduate level. There is a limit of 6 hours in any one area (i.e., management, economics, business law, etc.). Additionally, business statistics and communication may be used to meet this requirement. For further information, please consult with the Texas State Board of Public Accountancy http://www.tsbpa.state.tx.us/.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

[1] Students who do not complete an audit internship must take ACC 5373 Fraud Detection and Prevention and one additional business or accounting elective. Students who complete a three-hour internship must take one additional business or accounting elective.

Master's level courses in Accounting: ACC

Courses Offered

Accounting (ACC)

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor's judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual's employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Accountancy (M.Acy.) Major in Accounting (Information Technology Concentration)

Major Program

The Master of Accountancy (M.Acy.) degree with a major in Accounting is designed to broaden the educational experience of individuals preparing for a career in the public accounting profession. Students explore the social, ethical, and environmental effects of accounting information on those who rely on it for their decision making needs. The M.Acy. program can be used to satisfy the 150-hour education requirement for the Certified Public Accountant (CPA) exam in Texas.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- **Before applying** to the program, applicants must have completed a minimum of ACC 3313 and ACC 3314 with a grade of "B" or better and at least 6 additional hours of upper level accounting courses from the following for a total of 12 upper level accounting hours: ACC 3363, ACC 3365, ACC 3385, ACC 4313, ACC 4328.
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two forms of recommendation from persons best able to assess the student's ability to succeed in graduate school
- responses to specific essay questions
- official GMAT or GRE (general test only) with competitive scores
  - A GRE or GMAT waiver and essay waiver may be available for Texas State accounting undergraduate applicants who have:
    - earned a minimum of a 3.2 GPA or higher in the last 60 hours of undergraduate course work
    - earned a minimum of a 3.4 GPA or higher in upper-level accounting courses
    - provided at least two reference forms from Texas State faculty

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Accountancy (M.Acy.) degree with a major in Accounting concentration in Information Technology requires 30 semester credit hours. Students must complete a comprehensive examination at the end of the program to satisfy university requirements. Students who do

not have the appropriate background course work may be required to complete leveling or prerequisite courses.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
ACC 5316	Advanced Accounting	3
ACC 5350	Professional Accounting Research	3
ACC 5355	IT Auditing	3
ACC 5357	Regulation and Professionalism	3
ACC 5366	Business Entity Taxation	3
ACC 5375	Business Information Consulting	3
ACC 5680	Internship in Accounting [1]	6
ACC 5389	Corporate Governance and Ethics	3
Restricted Elective		
Choose 3 hours from the following:		3
CIS 5355	Database Management Systems	
CIS 5368	Information Security	
CIS 5371	Accounting Information Systems and Controls	
QMST 5332	Optimization	
QMST 5334	Statistical Methods for Business	
QMST 5335	Forecasting and Simulation	
QMST 5390	Topics in Data Analytics	
Accounting or Business Elective		
ACC 5320	Auditing	
ACC 5352	Financial Statement Reporting and Analysis	
ACC 5362	Cost and Managerial Accounting Theory	
ACC 5367	Seminar in Auditing	
ACC 5369	Special Studies in Accounting	
ACC 5370	Internship in Accounting	
ACC 5373	Fraud Detection and Prevention	
ACC 5390A	International Accounting	
ACC 5390F	Mergers, Acquisitions, and Consolidations Taxation	
ACC 5390G	Sustainability Reporting	
BLAW 5310	The Employment Relationship	
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368B	Law and Ethics in the Business Environment	
BLAW 5368F	Business Law for Entrepreneurs	
BLAW 5368G	Legal Issues in International Business	
CIS 5356	Business Telecommunications	
CIS 5357	Computing for Data Analytics	
CIS 5358	Agile Project Management For Business Professionals	
CIS 5360	E-Commerce: Strategies, Technologies, and Applications	
CIS 5364	Data Warehousing	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
CIS 5378	Information Security Policies and Compliance	
ECO 5310	International Economics	
ECO 5320	Emerging Market Economies	
FIN 5322	Investment Analysis	
FIN 5332	Portfolio Theory and Capital Markets	
FIN 5337	International Finance	
FIN 5338	International Investments and Financial Management	
FIN 5347C	Real Estate Investment	
MGT 5310	Organizational Change Management	
MGT 5311	Process Improvement Management in Organizations	
MGT 5312	Seminar in Management	
MGT 5315	New Venture Management	
MGT 5318	Cross-Cultural Management	
MGT 5321	Supply Chain Management	
MGT 5325	Managing Business Creativity	
MGT 5330	Seminar in Human Resource Management	
MGT 5335	New Venture Launch	
MGT 5375	International Management-Latin America	
MGT 5390	Business Research Methods	
MGT 5391	Managing the Communication Process	
MGT 5395	Graduate Business Internship	
MKT 5322	Marketing Research Methods	
MKT 5325	Global Marketing and the Value Chain	
MKT 5330	International Marketing	
MKT 5331	Integrated Marketing Communications	
MKT 5335	Services Marketing	
MKT 5395	Independent Study in Marketing	
Total Hours		30

Courses for CPA Eligibility

All graduates will have the 30 upper-level accounting hours and ethics course required to sit for the CPA Exam in Texas, however, graduates may still need 24 hours of related business course work. To be eligible to sit for the CPA exam in Texas, the candidate must have 24 hours of upper level business courses. The 24 hours may be completed at a community college or university, at the undergraduate or graduate level. There is a limit of 6 hours in any one area (i.e., management, economics, business law, etc.). Additionally, business statistics and communication may be used to meet this requirement. For further information, please consult with the Texas State Board of Public Accountancy http://www.tsbpa.state.tx.us/.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

[1] Students who do not complete an accounting IT related internship must take CIS 5371 Accounting Information Systems and Controls and one additional business or accounting elective. Students who complete a three-hour internship must take one additional business or accounting elective.

Master's level courses in Accounting: ACC

Courses Offered

Accounting (ACC)

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor’s judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual’s employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Accountancy (M.Acy.) Major in Accounting (Taxation Concentration)

Major Program

The Master of Accountancy (M.Acy.) degree with a major in Accounting is designed to broaden the educational experience of individuals preparing for a career in the public accounting profession. Students explore the social, ethical, and environmental effects of accounting information on those who rely on it for their decision making needs. The M.Acy. program can be used to satisfy the 150-hour education requirement for the Certified Public Accountant (CPA) exam in Texas.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- **Before applying** to the program, applicants must have completed a minimum of ACC 3313 and ACC 3314 with a grade of "B" or better and at least 6 additional hours of upper level accounting courses from the following for a total of 12 upper level accounting hours: ACC 3363, ACC 3365, ACC 3385, ACC 4313, ACC 4328.
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two forms of recommendation from persons best able to assess the student's ability to succeed in graduate school
- responses to specific essay questions
- official GMAT or GRE (general test only) required with competitive scores
  - A GRE or GMAT waiver and essay waiver may be available for Texas State accounting undergraduate applicants who have:
    - earned a minimum of a 3.2 GPA or higher in the last 60 hours of undergraduate course work
    - earned a minimum of a 3.4 GPA or higher in upper-level accounting courses
    - provided at least two reference forms from Texas State faculty

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing

- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Accountancy (M.Acy.) degree with a major in Accounting concentration in Taxation requires 30 semester credit hours. Students must complete a comprehensive examination at the end of the program to satisfy university requirements. Students who do not have the appropriate background course work may be required to complete leveling or prerequisite courses.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
ACC 5316	Advanced Accounting	3
ACC 5350	Professional Accounting Research	3
ACC 5357	Regulation and Professionalism	3
ACC 5366	Business Entity Taxation	3
ACC 5372	Tax Research	3
ACC 5377	Partnership Taxation	3
ACC 5680	Internship in Accounting	6
ACC 5389	Corporate Governance and Ethics	3
Restricted Elective		
Choose 3 hours from the following:		3
CIS 5355	Database Management Systems	
CIS 5368	Information Security	
CIS 5371	Accounting Information Systems and Controls	
QMST 5332	Optimization	
QMST 5334	Statistical Methods for Business	
QMST 5335	Forecasting and Simulation	
QMST 5336	Analytics	
QMST 5390	Topics in Data Analytics	
Accounting or Business Elective		
ACC 5320	Auditing	
ACC 5352	Financial Statement Reporting and Analysis	
ACC 5355	IT Auditing	
ACC 5362	Cost and Managerial Accounting Theory	
ACC 5367	Seminar in Auditing	
ACC 5369	Special Studies in Accounting	
ACC 5371	Accounting Information Systems	
ACC 5373	Fraud Detection and Prevention	
ACC 5375	Business Information Consulting	
ACC 5390A	International Accounting	
ACC 5390F	Mergers, Acquisitions, and Consolidations Taxation	
ACC 5390G	Sustainability Reporting	
BLAW 5310	The Employment Relationship	
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368B	Law and Ethics in the Business Environment	
BLAW 5368F	Business Law for Entrepreneurs	
BLAW 5368G	Legal Issues in International Business	
CIS 5356	Business Telecommunications	
CIS 5358	Agile Project Management For Business Professionals	
CIS 5360	E-Commerce: Strategies, Technologies, and Applications	
CIS 5364	Data Warehousing	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
ECO 5310	International Economics	
ECO 5320	Emerging Market Economies	
FIN 5322	Investment Analysis	
FIN 5332	Portfolio Theory and Capital Markets	
FIN 5337	International Finance	
FIN 5338	International Investments and Financial Management	
FIN 5347C	Real Estate Investment	
MGT 5310	Organizational Change Management	
MGT 5311	Process Improvement Management in Organizations	
MGT 5312	Seminar in Management	
MGT 5315	New Venture Management	
MGT 5318	Cross-Cultural Management	
MGT 5321	Supply Chain Management	
MGT 5325	Managing Business Creativity	
MGT 5330	Seminar in Human Resource Management	
MGT 5335	New Venture Launch	
MGT 5375	International Management-Latin America	
MGT 5390	Business Research Methods	
MGT 5391	Managing the Communication Process	
MGT 5395	Graduate Business Internship	
MKT 5322	Marketing Research Methods	
MKT 5325	Global Marketing and the Value Chain	
MKT 5330	International Marketing	
MKT 5331	Integrated Marketing Communications	
MKT 5335	Services Marketing	
MKT 5395	Independent Study in Marketing	
Total Hours		30

Courses for CPA Eligibility

All graduates will have the 30 upper-level accounting hours and ethics course required to sit for the CPA Exam in Texas, however, graduates may still need 24 hours of related business course work. To be eligible to sit for the CPA exam in Texas, the candidate must have 24 hours of upper level business courses. The 24 hours may be completed at a

community college or university, at the undergraduate or graduate level. There is a limit of 6 hours in any one area (i.e., management, economics, business law, etc.). Additionally, business statistics and communication may be used to meet this requirement. For further information, please consult with the Texas State Board of Public Accountancy http://www.tsbpa.state.tx.us/.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Accounting: ACC

Courses Offered

Accounting (ACC)

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor's judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual's employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Bachelor of Business Administration (B.B.A.)/Master of Accountancy (M.Acy.) Major in Accounting (Integrated)

Program Overview

The Department of Accounting offers Texas State students majoring in Accounting the opportunity to earn their B.B.A. and their M.Acy. simultaneously in the B.B.A./M.Acy. Integrated program. The Integrated program allows students to complete the two degrees quicker than if they were completed consecutively.

Please be advised that students will receive both the B.B.A. and the M.Acy. upon completion of **both** degrees. **Therefore, it is expected that students admitted to the Integrated program will stay in the program until completion**.

Undergraduate Admissions Information (B.B.A)

Admission to the McCoy College of Business Administration (McCoy College) is competitive, and an undergraduate student must be admitted to the McCoy College to pursue a B.B.A. degree. Consideration for admission to McCoy College undergraduate programs is based on specific admission criteria and is conducted as a rolling admission process. For current Texas State students, applications are available online at http://advising.mccoy.txstate.edu/apply. For students not yet admitted to the University, applications are available online at www.applytexas.org (http://www.applytexas.org). Students should list a business major as their first major choice.

Priority dates are March 1 for summer/fall semester and October 15 for the spring semester. Applications received after the priority date will be considered for admission on a space-available basis. Students not yet admitted to Texas State must meet Texas State admission deadlines. Students attending Texas State who are currently on academic probation are not eligible for admission to McCoy College.

Freshmen and Students with fewer than 30 Semester Credit Hours

Students with fewer than 30 semester credit hours will be automatically admitted to the McCoy College if they receive assured admission (http://www.admissions.txstate.edu/future/freshman/admissions-requirements.html) to Texas State and select a first-choice major in the McCoy College of Business Administration. Students who are admitted to the University but denied admission to McCoy College will be considered for admission to their second choice major or as an exploratory professional major.

Students with 30 or more Semester Credit Hours

Students who have completed at least 30 semester credit hours, including ENG 1310 (http://mycatalog.txstate.edu/search/?P=ENG%201310), ENG 1320 (http://mycatalog.txstate.edu/search/?P=ENG%201320), and MATH 1329 (http://mycatalog.txstate.edu/search/?P=MATH%201329), either at Texas State or another college or university and who have a minimum 2.5 overall GPA will be considered for admission based upon a competitive index using the grades from ENG 1310 (http://mycatalog.txstate.edu/search/?P=ENG%201310),ENG 1320 (http://mycatalog.txstate.edu/search/?P=ENG

%201320), MATH 1329 (http://mycatalog.txstate.edu/search/?P=MATH%201329), and the overall GPA from all colleges and universities attended. Students will be automatically admitted if they have a cumulative GPA of 3.25 or higher and have completed ENG 1310 (http://mycatalog.txstate.edu/search/?P=ENG%201310), ENG 1320 (http://mycatalog.txstate.edu/search/?P=ENG%201320) and MATH 1329 (http://mycatalog.txstate.edu/search/?P=MATH%201329).

Graduate Application Requirements (M.Acy.)

The items listed below are required for M.Acy. admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu/faculty-staff/faculty.html). International students should review the International Admission Documents webpage (http://mycatalog.txstate.edu/graduate/admission-documents/international) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- official transcripts required from each institution where course credit was granted
- a competitive GPA in your last 60 hours of undergraduate course work (plus any completed graduate courses)
- at least 90 credit hours of undergraduate course work
- **Before applying** to the program, applicants must have completed a minimum of ACC 3313 and ACC 3314 with a grade of "B" or better and at least six additional hours of upper-level accounting courses from the following for a total of 12 upper level accounting hours:
  - ACC 3363
  - ACC 3365
  - ACC 3385
  - ACC 4313
  - ACC 4328

(Students applying for spring admittance must complete ACC 3314 **prior** to the October application deadline.)

- Texas State accounting majors with at least an overall 3.2 GPA and a 3.4 GPA in upper-level accounting courses and who earn an "A" **the first time taking ACC 3313** and a "B" or better in one additional upper level accounting course may apply to the program before completing ACC 3314 and additional upper level accounting courses.
- responses to specific essay questions
- official GMAT or GRE (general test only) required with competitive scores
  - A GRE or GMAT waiver and essay waiver may be available for Texas State accounting undergraduate applicants who have:
    - earned a minimum of a 3.2 GPA or higher in the last 60 hours of undergraduate course work
    - earned a minimum of a 3.4 GPA or higher in upper-level accounting courses taken at Texas State University
    - provided at least two reference forms from Texas State faculty
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two forms of recommendation from persons best able to assess the student's ability to succeed in graduate school

This program does **not** offer admission if the scores above are not met.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver.

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

General Requirements

1. The Integrated major in Accounting requires 150 semester credit hours, including 120 hours for the B.B.A. and 30 hours for the M.Acy.
2. For the B.B.A. degree, any McCoy College student whose Texas State GPA drops below a 2.0 is placed on probation by Texas State and on restricted status by McCoy College. Students on restricted status must increase their Texas State GPA to at least 2.0 in the subsequent semester or their admission to McCoy College will be voided. Students are required to meet with a representative of the McCoy College Academic Advising Center to remove probation holds; otherwise, the hold will prevent registration or schedule changes. A student whose admission is voided may regain admission to McCoy College by going through the application process and competing with other applicants for openings. Students with a Texas State GPA below a 2.0 are also subject to the University academic probation and suspension policies.
3. All students seeking the B.B.A. must complete the following general education core curriculum courses as required by McCoy College. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum) section of this catalog for other information about the general education core curriculum.
4. To provide a common body of knowledge in business, all students seeking the B.B.A. must complete the following common core of business courses or their equivalents as required by the McCoy College:

Code	Title	Hours
B A 2310	Introduction to Business in a Global Environment	3
ACC 2361	Introduction to Financial Accounting	3
ACC 2362	Introduction to Managerial Accounting	3
CIS 1323	Introduction to Microcomputer Applications	3

ECO 2314	Principles of Microeconomics	3
ECO 2315	Principles of Macroeconomics	3
BLAW 2361	Legal Environment of Business	3
QMST 2333	Business Statistics	3
MGT 3303	Management of Organizations	3
MKT 3343	Principles of Marketing	3
CIS 3380	Enterprise Information Technology and Business Intelligence	3
FIN 3312	Business Finance	3
MGT 3453	Business Communication and Professional Development [1]	4
MGT 4335	Strategic Management and Business Policy	3

5. A combination of courses in the major program area specified by the appropriate academic department and restricted upper-division business electives to complement the major are also required for the B.B.A.
6. Free electives to achieve a minimum total of 120 hours are also required. To ensure compliance with the course requirements for a B.B.A. degree, students should follow the general sequence of courses specified for the curriculum in this section of the catalog.
7. Also, students in the B.B.A who did not complete satisfactorily at least two years of the same foreign language in high school must complete two semesters (6-8 hours) of a single foreign language in college.
8. Nine hours of designated "writing intensive" (WI) courses must be completed at Texas State to satisfy the B.B.A. degree requirements.
9. B.B.A. students must achieve the following grade point averages for graduation:
   - a Texas State GPA of 2.00
   - a Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives)
   - a GPA of 2.0 in the minor(s); and
   - a Major GPA of 2.50
10. Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Freshman

Fall Semester	Hours	Spring Semester	Hours
ENG 1310 (Communication Component Code 010)	3	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Governmen Political Science Component Code 070)	3	HIST 1310 (American History Component Code 060)	3
MATH 1329 (Mathematics Component Code 020)	3	PHIL 1320 (Language, Philosophy & Culture Component Code 040)	3
COMM 1310 (Component Area Option Code 090/091)	3	CIS 1323[1]	3
US 1100	1	Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3		
	16		15

Sophomore

Fall Semester	Hours	Spring Semester	Hours
ACC 2361	3	ACC 2362	3
ECO 2314 (Social & Behavioral Sciences Component Code 080)	3	ECO 2315	3
HIST 1320 (American History Component Code 060)	3	BLAW 2361	3
QMST 2333	3	POSI 2320 (Governmen Political Science Component Code 070)	3
B A 2310	3	ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3
	15		15

Junior

Fall Semester	Hours	Spring Semester	Hours
ACC 3313	3	ACC 3314	3
ACC 3365	3	ACC 3385	3
CIS 3380	3	MGT 3453	4
MGT 3303	3	MKT 3343	3
ENG Literature (Component Area Option Code 090/094)	3	FIN 3312	3
	15		16

Senior

Fall Semester	Hours	Spring Semester	Hours	Summer	Hours
ACC 3363	3	ACC Electives (graduate)	6	Free Electives (undergraduate)	7
ACC 4328	3	ACC 5350	3		
ACC 4313	3	ACC 5389	3		
Free Electives (undergradu	6				
	15		12		7

Fifth Year

Fall Semester	Hours	Spring Semester	Hours
ACC 5316	3	ACC 5357	3
ACC 5366	3	BUS or ACC Electives (graduate)	6
MGT 4335	3	Restricted Elective[2]	3
Free Electives (undergradu	3		
	12		12

Total Hours: 150

1 Credit can be earned by successfully passing a test. Students must pay a fee to take the test.

2 Restricted Elective. Choose 3 hours from the following:

CIS 5355	Database Management Systems
CIS 5368	Information Security
CIS 5371	Accounting Information Systems and Controls
QMST 5332	Optimization
QMST 5334	Statistical Methods for Business
QMST 5335	Forecasting and Simulation
QMST 5336	Analytics
QMST 5390	Topics in Data Analytics

Courses Offered

Accounting

ACC 2301. Accounting in Organizations and Society.
Introductory accounting course for non-business majors. Describes the role of accounting as an information system essential for the operation of today's organizations. Focus is on (1) how data is captured and processed to provide information for decision-making, and (2) how the information provided can be used for decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 2325. Financial Analysis and Accounting.
A study of financial statement analysis and overview of financial statements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ACC 2361. Introduction to Financial Accounting.
This course introduces financial accounting concepts and their application in the accounting process for business organizations, including financial statement preparation, analysis and communication of financial information and related ethical responsibilities. Prerequisite: MATH 1315 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2331 or MATH 2417 or MATH 2471 or HON 3391 or ACT Mathematics score of 27 or better or SAT Mathematics score of 580 or better or SAT Math Section Score 600-800.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ACCT 2301

ACC 2362. Introduction to Managerial Accounting.
This course provides an introduction to the use of accounting information as an aid to management decision making and budgeting. Students will gain an appreciation of control processes and an understanding of accounting reports and related ethical responsibilities. Prerequisites: ACC 2361 and (MATH 1315 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2331 or or MATH 2417 or MATH 2471 or HON 3391); both with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ACCT 2302

ACC 3313. Intermediate Accounting I.
An in-depth study of accounting concepts and standards with emphasis on current theory and practices relating to corporate financial statements particularly stressing asset measurement and presentation. Prerequisites: ACC 2361 and ACC 2362 both with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 3314. Intermediate Accounting II.
This course provides a study of accounting problems related to liability measurement, determination of stockholders' equity, earnings per share, leases, and revenue recognition. It also covers intangibles and investments. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 3363. Governmental Accounting.
A study of concepts and techniques of fund accounting, and financial reporting for governmental and not-for-profit organizations including state and local government, universities, hospitals, and other public sector entities. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 3365. Cost/Managerial Accounting.
The study of cost/management accounting within the manufacturing and merchandising environment. Includes the analysis of cost accumulation, planning, and control within the organization. Specific topics emphasized are job order and process costing; standard costing, standard costing and variance analysis; absorption and direct costing; budgetary procedures; cost/volume profit analysis; and capital budgeting techniques. Prerequisites: ACC 2362 with a grade of "C" or better and QMST 2333 with a grade of "D" or better. Corequisite: ACC 3313 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 3385. Accounting Systems.
A study of elements of theory, procedures, and practice relating to system design and implementation for manual and computerized accounting information systems. Emphasis placed on system selection, data entry, file structure, internal control implementation, and report generation for various information end-users. Prerequisites: ACC 3313 with a grade of "B" or better and CIS 3380 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 4313. Auditing and Internal Controls.
This course provides a study of the theory and practices relating to auditing. The course emphasizes the procedures used to evaluate the effectiveness of risk management and control processes, including prevention and detection of fraud. Prerequisites: ACC 3314 and ACC 3385 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ACC 4328. Survey of Income Tax.
An introduction to Federal income tax provisions, concepts and issues concerning individuals, business and property transactions. The coursework focuses on income and expense recognition as well as tax planning opportunities. Prerequisite: ACC 3313 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 4390A. International Accounting.
This course introduces students to accounting issues unique to multinational enterprises and international business activity. Financial accounting practices are compared across different countries. The development of international accounting standards is also explored. (MULT) Prerequisite: ACC 3313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor's judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual's employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Department of Computer Information Systems and Quantitative Methods

McCoy Hall Room 404
T: 512.245.2291 F: 512.245.1452
www.cis.txstate.edu (http://www.cis.txstate.edu)

The mission of the Department of Computer Information Systems and Quantitative Methods (CISQM) is to provide relevant educational opportunities to graduate students wishing to pursue professional careers related to information systems, technology and data analytics. The department strives to create an environment for preparing individuals for a lifetime of learning and growth by producing graduates who understand the concepts and uses of information systems and are capable of applying these concepts to business and government.

CISQM graduates pursue careers as IT integrators, global enterprise system architects, database administrators, network administrators, information security analysts, business systems analysts, application developers, digital-business solution developers, and information systems managers. Graduates work for technology companies, high-tech startup companies, government agencies, accounting firms, oil companies, financial and insurance institutions, retail firms, manufacturing corporations, and consulting companies where they are succeeding at the highest levels.

Master of Science (M.S.)

- Major in Accounting and Information Technology (p. 992)
- Major in Data Analytics and Information Systems (Non-thesis Option) (p. 997)
- Major in Data Analytics and Information Systems (Thesis Option) (p. 1001)

Master of Science (M.S.) Major in Accounting and Information Technology

Major Program

The Master of Science (M.S.) degree with a major in Accounting and Information Technology (MSAIT) is a cross-department curriculum comprised of accounting and information technology core courses, prescribed accounting and information technology electives, and open graduate business or accounting electives. The program does not have a thesis requirement; however, students must complete a comprehensive examination at the end of the program to satisfy university requirements. Applicants with undergraduate degrees in disciplines other than business or from a non-AACSB accredited university could be required to complete additional background course work. Applicants to the M.S. degree program who hold an undergraduate degree from an AACSB accredited university will normally require 36 semester hours of graduate course credit to complete the program.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE or GMAT (general test only) required with competitive scores
- responses to specific essay questions
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- two forms of recommendation from persons best able to assess the student's ability to succeed in graduate school
- background course work in:

Code	Title	Hours
ACC 2361	Introduction to Financial Accounting [1]	3
ACC 3313	Intermediate Accounting I [2]	3
QMST 2333	Business Statistics [1]	3

1 Must be completed before admission to the graduate program.

2 Students must make a grade of "C" or better to continue in graduate program.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Accounting and Information Technology requires 36 semester credit hours.

Background Courses

The purpose of background courses is to provide a strong base of knowledge for advanced business and accounting studies. Background courses may be waived for students who have successfully completed on previous course work addressing **current** developments in the content area. The background course requirement is composed of the following courses:

Code	Title	Hours
ACC 2361	Introduction to Financial Accounting [1]	3
ACC 3313	Intermediate Accounting I [2]	3
QMST 2333	Business Statistics [1]	3

1 Must be completed before admission to the graduate program.

2 Students must make a grade of "C" or better to continue in the graduate program.

Background courses cannot be used to fulfill the 36 hours of M.S. core and elective courses. The equivalent undergraduate courses also may be taken at any accredited four-year college or university. Information regarding transfer work is identified in the Course Credit (p. 727)section of this catalog.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy

College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
ACC 5361	Accounting Analysis for Managerial Decision Making	3
ACC 5375	Business Information Consulting	3
B A 5352	Developing the Financial Perspective of the Firm	3
CIS 5355	Database Management Systems	3
CIS 5358	Agile Project Management For Business Professionals	3
CIS 5368	Information Security	3
CIS 5371	Accounting Information Systems and Controls	3
Electives		
Choose 12 hours from the following: [1]		12
ACC 5352	Financial Statement Reporting and Analysis	
ACC 5362	Cost and Managerial Accounting Theory	
ACC 5373	Fraud Detection and Prevention	
CIS 5357	Computing for Data Analytics	
CIS 5360	E-Commerce: Strategies, Technologies, and Applications	
CIS 5364	Data Warehousing	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
CIS 5378	Information Security Policies and Compliance	
CIS 5395	Internship in Computer Information Systems	
QMST 5332	Optimization	
QMST 5334	Statistical Methods for Business	
QMST 5335	Forecasting and Simulation	
QMST 5336	Analytics	
Free Electives		
Choose 3 hours of advisor-approved electives		3
Total Hours		36

[1] At least one but not more than two of the four must be an Accounting course.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master;s level courses in Accounting, and Computer Information Systems: ACC (p. 993), CIS (p.)

Courses Offered

Accounting (ACC)

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor’s judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual’s employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master's program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Computer Information Systems (CIS)

CIS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5318. Information Technology in the Digital Economy.
Provides an understanding of the issues involved in the strategic management of the information assets of organizations. Examines the issues and challenges that users face within the Information Technology (IT) management arena as part of a firm's business and IT strategy. Focus is on managerial rather than technical issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5355. Database Management Systems.
Explores the concepts, principles, issues and techniques for managing corporate data resources using database management systems. The course includes techniques for analysis, design and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating database management software. Students will use a relational database management system to develop a management information system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5356. Business Telecommunications.
Explores the technology that is revolutionizing the manner in which business and government conduct their operations and the effects new developments in communication media have on computing systems. This course reflects the current state-of-the-art in data communication networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5357. Computing for Data Analytics.
This course focuses on fundamentals of programming. Students will learn to design and implement applications, and programmatically handle a variety of data management functionalities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5358. Agile Project Management For Business Professionals.
An in-depth study of the project management body of knowledge as applied to Information Technology with emphasis on Agile methodologies and the management of scope, costs, schedules, quality and risks. Includes program management, system methodologies, material procurement, and human, cultural, and international issues and their impact on the organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5360. E-Commerce: Strategies, Technologies, and Applications.
This course is designed to familiarize students with current and emerging e-commerce technologies. Topics include Internet technology for business advantage, reinventing the future of business through e-commerce, business opportunities in e-commerce, and social, political, global, and ethical issues associated with ecommerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5364. Data Warehousing.
Familiarizes students with current and emerging data warehousing technologies that play a strategic role in business organizations. Topics include data warehouse development life cycle, data warehouse navigation, data quality, and performance issues. Prerequisites: CIS 5355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5367. Machine Learning.
This course focuses on deriving actionable knowledge from data using algorithms and industry standard tools. It covers the complete process, key technologies, core machine learning algorithms, and programming used for business intelligence. Prerequisite: CIS 5357 and QMST 5336 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5368. Information Security.
This course covers the analysis, design, development, implementation, and maintenance of information security systems. Topics include legal, ethical, professional, personnel issues; risk management; technology; cryptography; and physical security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5369. Independent Study in Computer Information Systems.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in CIS and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 5370. Enterprise Resource Planning and Business Intelligence.
The use of information technology in integrating enterprises for operational control and business intelligence is examined via Enterprise Resource Planning (ERP) applications in customer relationships management, accounting, finance, purchasing, production control, sales, marketing, and human resource management. Emphasizes managerial issues surrounding the need, selection, and implementation of ERP systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5371. Accounting Information Systems and Controls.
A study of accounting information systems and controls as well as their role in the current technology-intensive business environment. Emphasis is placed on contemporary technology and applications, IT and business systems assessments, IT internal controls, control concepts and procedures, information systems auditing, and transaction cycles. Prerequisite: ACC 3313 or ACC 5361 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5378. Information Security Policies and Compliance.
This course focuses on the technology and managerial issues related to information policies, regulations, and compliance that assure confidentiality, integrity, and availability of data and computer systems. Topics include information security policy, regulations, laws, standards, framework, compliance, and governance. Prerequisite: CIS 5368 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5390C. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CIS 5395. Internship in Computer Information Systems.
This course provides students with opportunities for experiential learning by working on a computer information systems project. It enables integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CIS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Data Analytics and Information Systems (Non-thesis Option)

Major Program

The science of analyzing data to make actionable data-driven business decisions and gain competitive advantage has received widespread attention among business and government enterprises in the last few years. Variously referred to as Business Intelligence, Data Analytics, or Data Science, this is an emerging field that uniquely combines mathematical and statistical modeling, data visualization and information systems. The primary driving force behind the significant increase in the use of data analytics has been the extensive digitization of intra- and inter-organizational processes that generate massive amounts of data. This discipline has experienced an explosive growth during the past few years.

The main objective of the M.S. major in Data Analytics and Information Systems is to ensure that graduates can use appropriate data analysis methods and cutting-edge information technologies to derive actionable business intelligence. In a survey by KPMG, 99% of surveyed executives indicated that the skills for managing and analyzing big data sets to derive actionable insights is important for developing sound business strategy. This requires employees with advanced knowledge of data management technologies to manage big data sets and apply appropriate analytical techniques to analyze these data sets. The proposed program will provide students with integrated knowledge of information technology and data analysis methods to effectively manage and analyze data to support data-driven decision-making. The curriculum of the degree program will provide students with the technical skills required for the DSA jobs. This includes both information systems and data analytics skills such as data management, structured query language, R and Python programming, descriptive, predictive and prescriptive analytics, machine learning, statistical computing, big data analysis, and data visualization.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GMAT or GRE (general test only) with a competitive score
- responses to specific essay questions and a personal statement
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- three letters of recommendation from individuals best able to assess the student's ability to succeed in graduate school

TOEFL or IELTS Scores

- Non-native English speakers who do not qualify for an English proficiency waiver:
- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Data Analytics and Information Systems non-thesis option requires 30 semester credit hours.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
CIS 5355	Database Management Systems	3
CIS 5357	Computing for Data Analytics	3
CIS 5364	Data Warehousing	3
CIS 5367	Machine Learning	3
QMST 5332	Optimization	3
QMST 5334	Statistical Methods for Business	3
QMST 5335	Forecasting and Simulation	3
QMST 5336	Analytics	3
Prescribed Electives		
Choose 6 hours from the following:		6
CIS 5358	Agile Project Management For Business Professionals	
CIS 5369	Independent Study in Computer Information Systems	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
CIS 5390C	Statistical Computing	
or QMST 5390A	Statistical Computing	
CIS 5395	Internship in Computer Information Systems	
GEO 5301	Multivariate Quantitative Methods	
GEO 5418	Geographic Information Systems I	
GEO 5419	Geographic Information Systems II	
HIM 5311	Informatics, Analytics and Data Use	
HIM 5340	Healthcare Informatics	
IE 5310	Advanced Statistical Design of Experiments for Engineers	
IE 5340	Applied Deterministic Operations Research for Engineers	
IE 5343	Non-Linear Optimization Techniques for Engineers	
IE 5398C	Data-Intensive Analysis and Simulation for Engineers	
MGT 5311	Process Improvement Management in Organizations	
MGT 5321	Supply Chain Management	
MKT 5322	Marketing Research Methods	
MKT 5323	Qualitative Research in Marketing	
MKT 5340	Digital Marketing	
MKT 5345	Marketing Analytics	
QMST 5342	Probability and Statistical Models	
QMST 5343	Data Mining	
QMST 5395	Internship in Analytics	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Data Analytics and Information Systems: CIS, QMST

Courses Offered

Computer Information Systems (CIS) (p.):

CIS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5318. Information Technology in the Digital Economy.
Provides an understanding of the issues involved in the strategic management of the information assets of organizations. Examines the issues and challenges that users face within the Information Technology (IT) management arena as part of a firm's business and IT strategy. Focus is on managerial rather than technical issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5355. Database Management Systems.
Explores the concepts, principles, issues and techniques for managing corporate data resources using database management systems. The course includes techniques for analysis, design and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating database management software. Students will use a relational database management system to develop a management information system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5356. Business Telecommunications.
Explores the technology that is revolutionizing the manner in which business and government conduct their operations and the effects new developments in communication media have on computing systems. This course reflects the current state-of-the-art in data communication networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5357. Computing for Data Analytics.
This course focuses on fundamentals of programming. Students will learn to design and implement applications, and programmatically handle a variety of data management functionalities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5358. Agile Project Management For Business Professionals.
An in-depth study of the project management body of knowledge as applied to Information Technology with emphasis on Agile methodologies and the management of scope, costs, schedules, quality and risks. Includes program management, system methodologies, material procurement, and human, cultural, and international issues and their impact on the organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5360. E-Commerce: Strategies, Technologies, and Applications.
This course is designed to familiarize students with current and emerging e-commerce technologies. Topics include Internet technology for business advantage, reinventing the future of business through e-commerce, business opportunities in e-commerce, and social, political, global, and ethical issues associated with ecommerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5364. Data Warehousing.
Familiarizes students with current and emerging data warehousing technologies that play a strategic role in business organizations. Topics include data warehouse development life cycle, data warehouse navigation, data quality, and performance issues. Prerequisites: CIS 5355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5367. Machine Learning.
This course focuses on deriving actionable knowledge from data using algorithms and industry standard tools. It covers the complete process, key technologies, core machine learning algorithms, and programming used for business intelligence. Prerequisite: CIS 5357 and QMST 5336 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5368. Information Security.
This course covers the analysis, design, development, implementation, and maintenance of information security systems. Topics include legal, ethical, professional, personnel issues; risk management; technology; cryptography; and physical security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5369. Independent Study in Computer Information Systems.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in CIS and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 5370. Enterprise Resource Planning and Business Intelligence.
The use of information technology in integrating enterprises for operational control and business intelligence is examined via Enterprise Resource Planning (ERP) applications in customer relationships management, accounting, finance, purchasing, production control, sales, marketing, and human resource management. Emphasizes managerial issues surrounding the need, selection, and implementation of ERP systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5371. Accounting Information Systems and Controls.
A study of accounting information systems and controls as well as their role in the current technology-intensive business environment. Emphasis is placed on contemporary technology and applications, IT and business systems assessments, IT internal controls, control concepts and procedures, information systems auditing, and transaction cycles. Prerequisite: ACC 3313 or ACC 5361 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5378. Information Security Policies and Compliance.
This course focuses on the technology and managerial issues related to information policies, regulations, and compliance that assure confidentiality, integrity, and availability of data and computer systems. Topics include information security policy, regulations, laws, standards, framework, compliance, and governance. Prerequisite: CIS 5368 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5390C. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CIS 5395. Internship in Computer Information Systems.
This course provides students with opportunities for experiential learning by working on a computer information systems project. It enables integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CIS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Quantitative Methods and Statistics (QMST): (p.)

QMST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5332. Optimization.
A study of management science/operations research emphasizing theory and applications of evaluative, predictive, and optimizing models as applied to the management of product and service-oriented operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5334. Statistical Methods for Business.
The course provides the quantitative foundation for business analysis and decision making. Topics include: inferential statistics, regression analysis, and other analytical/modeling techniques with wide applicability in decision-making and problem solving in all functional areas of business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5335. Forecasting and Simulation.
This course introduces the concepts and principles of forecasting and simulation techniques as applies to planning and decision making in organizations. Topical coverage includes time series forecasting, casual forecasting, discrete event simulation, and continues-event simulation techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5336. Analytics.
This course introduces analytics which refers to the process of transforming data into information for making decisions. The topics include the introduction to analytics, visualization, analytics applications, and challenges related to business data. Students will learn how to use software, conduct data analysis and communicate their results.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5342. Probability and Statistical Models.
This course introduces the concept of probability and probability distributions. It includes general and generalized linear models, inflated and mixture models, and hierarchical models. Model validity and choice will also be discussed. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5343. Data Mining.
This course covers data mining concepts and applications of data mining techniques to solve business problems. It emphasizes algorithms such as classification, clustering, association, and text mining. Model selection and assessment are also emphasized. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5369. Independent Study in Quantitative Methods.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in quantitative methods and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5390A. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 5395. Internship in Analytics.
This course is based on experiential learning while the student works in quantitative methods and statistics. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

QMST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Data Analytics and Information Systems (Thesis Option)

Major Program

The science of analyzing data to make actionable data-driven business decisions and gain competitive advantage has received widespread attention among business and government enterprises in the last few years. Variously referred to as Business Intelligence, Data Analytics, or Data Science, this is an emerging field that uniquely combines mathematical and statistical modeling, data visualization and information systems. The primary driving force behind the significant increase in the use of data analytics has been the extensive digitization of intra- and inter-organizational processes that generate massive amounts of data. This discipline has experienced an explosive growth during the past few years.

The main objective of the M.S. major in Data Analytics and Information Systems is to ensure that graduates can use appropriate data analysis methods and cutting-edge information technologies to derive actionable business intelligence. In a survey by KPMG, 99% of surveyed executives indicated that the skills for managing and analyzing big data sets to derive actionable insights is important for developing sound business strategy. This requires employees with advanced knowledge of data management technologies to manage big data sets and apply appropriate analytical techniques to analyze these data sets. The proposed program will provide students with integrated knowledge of information technology and data analysis methods to effectively manage and analyze data to support data-driven decision-making. The curriculum of the degree program will provide students with the technical skills required for the DSA jobs. This includes both information systems and data analytics skills such as data management, structured query language, R and Python programming, descriptive, predictive and prescriptive analytics, machine learning, statistical computing, big data analysis, and data visualization.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GMAT or GRE (general test only) with a competitive score

- responses to specific essay questions and a personal statement
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- three letters of recommendation from individuals best able to assess the student's ability to succeed in graduate school

TOEFL or IELTS Scores

- Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Data Analytics and Information Systems requires 30 semester credit hours, including a thesis.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
CIS 5355	Database Management Systems	3
CIS 5357	Computing for Data Analytics	3
CIS 5364	Data Warehousing	3
CIS 5367	Machine Learning	3
QMST 5332	Optimization	3
QMST 5334	Statistical Methods for Business	3
QMST 5335	Forecasting and Simulation	3
QMST 5336	Analytics	3
Thesis Courses		
CIS 5399A	Thesis	3
or QMST 5399A	Thesis	
Choose a minimum of 3 hours from the following:		3
CIS 5199B	Thesis	
or QMST 5199B	Thesis	
CIS 5299B	Thesis	
or QMST 5299B	Thesis	
CIS 5399B	Thesis	
or QMST 5399B	Thesis	
CIS 5599B	Thesis	
or QMST 5599B	Thesis	
CIS 5999B	Thesis	
or QMST 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Data Analytics and Information Systems: CIS, QMST

Courses Offered

Computer Information Systems (CIS) (p.):

CIS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5318. Information Technology in the Digital Economy.
Provides an understanding of the issues involved in the strategic management of the information assets of organizations. Examines the issues and challenges that users face within the Information Technology (IT) management arena as part of a firm's business and IT strategy. Focus is on managerial rather than technical issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5355. Database Management Systems.
Explores the concepts, principles, issues and techniques for managing corporate data resources using database management systems. The course includes techniques for analysis, design and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating database management software. Students will use a relational database management system to develop a management information system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5356. Business Telecommunications.
Explores the technology that is revolutionizing the manner in which business and government conduct their operations and the effects new developments in communication media have on computing systems. This course reflects the current state-of-the-art in data communication networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5357. Computing for Data Analytics.
This course focuses on fundamentals of programming. Students will learn to design and implement applications, and programmatically handle a variety of data management functionalities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5358. Agile Project Management For Business Professionals.
An in-depth study of the project management body of knowledge as applied to Information Technology with emphasis on Agile methodologies and the management of scope, costs, schedules, quality and risks. Includes program management, system methodologies, material procurement, and human, cultural, and international issues and their impact on the organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5360. E-Commerce: Strategies, Technologies, and Applications.
This course is designed to familiarize students with current and emerging e-commerce technologies. Topics include Internet technology for business advantage, reinventing the future of business through e-commerce, business opportunities in e-commerce, and social, political, global, and ethical issues associated with ecommerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5364. Data Warehousing.
Familiarizes students with current and emerging data warehousing technologies that play a strategic role in business organizations. Topics include data warehouse development life cycle, data warehouse navigation, data quality, and performance issues. Prerequisites: CIS 5355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5367. Machine Learning.
This course focuses on deriving actionable knowledge from data using algorithms and industry standard tools. It covers the complete process, key technologies, core machine learning algorithms, and programming used for business intelligence. Prerequisite: CIS 5357 and QMST 5336 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5368. Information Security.
This course covers the analysis, design, development, implementation, and maintenance of information security systems. Topics include legal, ethical, professional, personnel issues; risk management; technology; cryptography; and physical security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5369. Independent Study in Computer Information Systems.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in CIS and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 5370. Enterprise Resource Planning and Business Intelligence.
The use of information technology in integrating enterprises for operational control and business intelligence is examined via Enterprise Resource Planning (ERP) applications in customer relationships management, accounting, finance, purchasing, production control, sales, marketing, and human resource management. Emphasizes managerial issues surrounding the need, selection, and implementation of ERP systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5371. Accounting Information Systems and Controls.
A study of accounting information systems and controls as well as their role in the current technology-intensive business environment. Emphasis is placed on contemporary technology and applications, IT and business systems assessments, IT internal controls, control concepts and procedures, information systems auditing, and transaction cycles. Prerequisite: ACC 3313 or ACC 5361 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5378. Information Security Policies and Compliance.
This course focuses on the technology and managerial issues related to information policies, regulations, and compliance that assure confidentiality, integrity, and availability of data and computer systems. Topics include information security policy, regulations, laws, standards, framework, compliance, and governance. Prerequisite: CIS 5368 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5390C. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CIS 5395. Internship in Computer Information Systems.
This course provides students with opportunities for experiential learning by working on a computer information systems project. It enables integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CIS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Quantitative Methods and Statistics (QMST): (p.)

QMST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5332. Optimization.
A study of management science/operations research emphasizing theory and applications of evaluative, predictive, and optimizing models as applied to the management of product and service-oriented operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5334. Statistical Methods for Business.
The course provides the quantitative foundation for business analysis and decision making. Topics include: inferential statistics, regression analysis, and other analytical/modeling techniques with wide applicability in decision-making and problem solving in all functional areas of business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5335. Forecasting and Simulation.
This course introduces the concepts and principles of forecasting and simulation techniques as applies to planning and decision making in organizations. Topical coverage includes time series forecasting, casual forecasting, discrete event simulation, and continues-event simulation techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5336. Analytics.
This course introduces analytics which refers to the process of transforming data into information for making decisions. The topics include the introduction to analytics, visualization, analytics applications, and challenges related to business data. Students will learn how to use software, conduct data analysis and communicate their results.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5342. Probability and Statistical Models.
This course introduces the concept of probability and probability distributions. It includes general and generalized linear models, inflated and mixture models, and hierarchical models. Model validity and choice will also be discussed. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5343. Data Mining.
This course covers data mining concepts and applications of data mining techniques to solve business problems. It emphasizes algorithms such as classification, clustering, association, and text mining. Model selection and assessment are also emphasized. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5369. Independent Study in Quantitative Methods.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in quantitative methods and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5390A. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 5395. Internship in Analytics.
This course is based on experiential learning while the student works in quantitative methods and statistics. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

QMST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Department of Management

McCoy Hall Room 524
T: 512.245.2571 F: 512.245.2850
http://www.mgt.mccoy.txstate.edu/

Our departmental faculty members have garnered impressive teaching, research, and service experiences across a wide variety of national, international, and global business contexts. As a result of their commitment to high quality endeavors, management faculty members have won numerous college, university, and national awards for scholarship, teaching, and service.

Balancing a focus on theory and practice, we have developed a graduate management curriculum that includes courses in entrepreneurship, human resource management, international management, operations management, organizational behavior, and strategy. In addition, special topic courses allow our faculty to offer in-depth examination of a number of contemporary business issues such as business ethics and labor relations and negotiations.

Master of Science (M.S.)

- Major in Human Resource Management (p. 1006)

Master of Science (M.S.) Major in Human Resource Management

Major Program

The Master of Science (M.S.) in Human Resource Management program is a flexible, part-time program designed to prepare people for successful careers in human resource management. In comparison to the M.B.A. program, which offers a broad-based business education, the M.S. program offers in-depth knowledge associated with the major aspects of human resource management. The M.S. curriculum has been designed to adhere to educational guidelines set forth by the Society for Human Resource Management (SHRM), the premier professional association for the human resource field.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree (preferably in business administration or a related field) from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- knowledge of business functions (management, marketing, finance, accounting, MIS) demonstrated through previous course work and/or work experience
- official GRE (general test only) or GMAT required with competitive scores
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements

- two letters of recommendation from persons best able to assess the student's ability to succeed in graduate school

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Human Resource Management requires 30 semester credit hours.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
B A 5351	Organizational Performance and Competitive Advantage	3
MGT 5330	Seminar in Human Resource Management	3
MGT 5336	Compensation and Benefits	3
MGT 5337	Organizational Staffing	3
MGT 5338	Human Resource Development	3
MGT 5339	International Human Resource Management	3
Electives [1]		
Choose 12 hours from the following:		12
BLAW 5310	The Employment Relationship	
MGT 5310	Organizational Change Management	
MGT 5311	Process Improvement Management in Organizations	
MGT 5312	Seminar in Management	
MGT 5315	New Venture Management	
MGT 5318	Cross-Cultural Management	
MGT 5321	Supply Chain Management	
MGT 5325	Managing Business Creativity	
MGT 5335	New Venture Launch	
MGT 5375	International Management-Latin America	
MGT 5380A	Business Ethics Leadership	
MGT 5380B	Human Resource Information Systems	
MGT 5380C	Group Dynamics in Organizations	
MGT 5380D	Labor Relations and Negotiation	
MGT 5390	Business Research Methods	
MGT 5391	Managing the Communication Process	
MGT 5395	Graduate Business Internship	
Total Hours		30

[1] Other 5000-level courses within the McCoy College of Business Administration may be selected with prior approval from the graduate advisor.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Human Resource Management: MGT

Courses Offered

Management (MGT)

MGT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5301. Graduate Assistant Development.
Completion of this course is required as a condition of employment for graduate assistants. The course is seminar based and covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MGT 5310. Organizational Change Management.
Presents an overview of the process of change in an organization and stresses the key issues involved in reengineering and renewing organizations. Problems dealing with stress and conflict during major change will be explored along with practical ideas on building effective teams to make change possible and sustainable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5311. Process Improvement Management in Organizations.
Learn existing and latest developments in process improvement techniques for continuous improvement and the role of quality as a system for establishing an organization's competitive advantage. Process mapping is emphasized and assessment of effectiveness in the interactions of the managerial and technical systems of organizations is also studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5312. Seminar in Management.
Development of philosophy, strategy, and tactics in managing an enterprise. Administrative processes common to all enterprises, such as entrepreneurship, business and society, leadership and group behavior in organizations, business ethics, and international management. (Course may be repeated for credit with different course focus.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5313. Strategic Management.
An integrative approach to policy formulation and administration (decision making) to achieve organization objectives. Should be taken the last semester of student's MBA program. Prerequisite: ACC 5361 and FIN 5387 and MKT 5321 and QMST 5334 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5314. Organizational Behavior and Theory.
Organizational behavior and structure as influenced by environmental variables and system relationships. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5315. New Venture Management.
This course provides an overview of the entrepreneurial process from the initial idea through start-up, growth, and harvest. Students learn how to write a business plan, manage all the elements of an entrepreneurial business, and develop a better understanding of the requirements of the entrepreneurial life path.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5318. Cross-Cultural Management.
The global environment requires sensitivity to and the adaptation of leadership and management skills and practices, and the culture-bound differences in workplace behavior and attitudes. Explores how differences in cultural core values shape behavior and attitudes of workers, managerial colleagues, and negotiating partners. Prerequisites: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5321. Supply Chain Management.
A variety of tools and frameworks provide students and understanding of the basis behind supply chain decision making. Topics include supply management concepts, demand-supply management, pull/push system, capacity and resource allocation, performance measurement, relationship assessment, and outsourcing in an integrated supply chain. Require graduate standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5325. Managing Business Creativity.
This course focuses on the means by which businesses and individuals foster and maintain their creative and innovative skills. Key topics include: idea generation and refinement, idea screening, prototype development, and feasibility analysis. Objectives are met through classroom exercises, case analysis, guest speakers, and individual and team projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5330. Seminar in Human Resource Management.
A study of current developments and practices in human resource management, including employment laws; planning, recruitment and selection; training and development programs; wage and benefits administration; performance management, human relations and productivity; labor relations; safety and health; an current contributions to human resource management theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5333. Problems in Business Administration.
The student is here given the opportunity to work in the field of his special interest, particularly in the subjects of accounting, business law, marketing, statistics, finance, and insurance. The course will be conducted by conferences between the student and instructors concerned. Problems will be assigned as nearly as possible for the needs of the individual student.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5335. New Venture Launch.
The purpose of this class is to ensure students gain a full understanding of what it takes to start and grow a business. Students learn the process of creating a new venture from the inside by planning, organizing and launching an actual business. Prerequisite: MGT 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5336. Compensation and Benefits.
This course addresses the rewards systems in organizations. Strategic and technical considerations in designing, administering and managing compensation and benefits plans in organizations, including job analysis and evaluation, wage levels and structures, legal issues, individual and group incentives, and benefits are considered. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5337. Organizational Staffing.
A study of the methods involved in recruitment and selection of employees with an emplasis on measurement, job analysis, performance appraisal, legal issues, and the role of human resource planning and strategy. This course relies on statistics to teach students to make reliable and valid employment decisions. Prerequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5338. Human Resource Development.
A study of theoretical and applied perspectives on needs assessment, design, development delivery and evaluation of training and development as well as organizational change and development. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5339. International Human Resource Management.
A study of challenges that decision makers consider when managing their human resources across the globe. Drawing on theories and models from cross-cultural and international management areas, this course covers such topics as globalization, culture, emerging international assignments, and expatriate recruitment, selection, training, repatriation, and career management. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5375. International Management-Latin America.
A study of the cultural, economic, regulatory, and political factors impacting international business. Emphasis is placed on theory and research of management phenomena in Latin America and on issues mediating commercial and governmental relations between the United State and Latin American countries. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MGT 5380A. Business Ethics Leadership.
This course examines a variety of ethical issues in business from multiple stakeholder perspectives (top management, employees, community members, etc.). The course is designed to enhance moral awareness and facilitate individual development with respect to making ethical decisions that contribute to effective corporate management and leadership.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MGT 5380B. Human Resource Information Systems.
This course provides an overview of functional areas in an HRIS system with a focus on the acquisition of skills with respect to the software as well as knowledge regarding the implementation process, associated benefits and costs, and the application of HRIS to manage critical HRM processes. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380C. Group Dynamics in Organizations.
This course explores the theoretical framework of group interactions as well as the practical workplace challenges associated with organizing, participating on, and managing teams and groups. It addresses the development and use of teams to improve business organizations and is recommended for graduate students preparing for business careers. Prerequisite: B A 5351 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380D. Labor Relations and Negotiation.
This graduate level course is a study of labor organizations and their impact as well as negotiation and conflict resolution issues. The course will examine the National Labor Relations Act (NLRA), union and employer rights under the NLRA, union organizing, collective bargaining, negotiation, contract administration, mediation and arbitration. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380E. International Leadership.
Course will include lectures, business engagements, cultural excursions, and a service-learning project. To reinforce the theories discussed in class students will interact directly with managers, employees, and international business professionals, learn perspective on cultural and leadership issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5390. Business Research Methods.
Designed to aid graduate students in analyzing reports, evaluating research and in planning research reports. Involves the selection of research problems, sources of data, analysis, presentation, report writing, directed reading, class reports, and a research problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5391. Managing the Communication Process.
The study and application of theory and psychology of managerial communication using written, oral, and technological modes to communicate within the business environment. The course includes the process and product approach to graphics, leadership, problem solving, prioritizing, interviewing, and communicating change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5395. Graduate Business Internship.
Integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in MGT 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Department of Marketing

McCoy Hall Room 424
T: 512.245.7428 F: 512.245.7475
http://marketing.mccoy.txstate.edu/

The mission of the Department of Marketing is to educate students to succeed in a dynamic business world. To accomplish this mission, faculty will combine effective teaching with basic, applied, and instructional scholarship with professional service. The faculty will strive for quality in all activities to help prepare students for leadership and service in a diverse, global, and competitive environment.

The Master of Science in Marketing Research and Analysis program readies graduates for positions in marketing that will be involved in creating, analyzing, interpreting, and utilizing data. These positions include marking managers, market research analysts and survey researchers. Typical job titles include Strategic Data Insights Analyst, Senior Director Marketing, Marketing Analytics Manager, Consumer Insights Manager, Digital Marketing Analyst, and Consumer Researcher.

The mission of the Master of Science in Marketing Research and Analysis program is to better prepare marketing professionals for a marketplace that heavily relies on data and analytics. The program will prepare students to conduct marketing research and utilize marketing analytics, and to interpret the results to inform marketing strategy decisions. Students will learn to design, evaluate, execute and effectively communicate results. Special emphasis will be placed on how to best leverage the vast amounts of data that are being collected about customers, products, and other key elements of the organizational environment to increase competitive advantage as well as productivity and profitability.

Master of Science (M.S.)

- Major in Marketing Research and Analysis (Non-thesis Option) (p. 1010)
- Major in Marketing Research and Analysis (Thesis Option) (p. 1013)

Master of Science (M.S.) Major in Marketing Research and Analysis (Non-thesis Option)

Marketing research and analytics are used by companies to link information about products, customers and markets to financial metrics like sales, margin, and EBITDA (earnings before interest, taxes, depreciation, and amortization). Further, McKinsey & Company claims that marketing and sales leaders need to use analytics since companies that effectively use data will improve productivity and profitability. Marketing research is increasingly being incorporated into the strategic planning function by organizations. This shift is increasing the scope and demand for marketing managers with strong research skills as well as the need for market research analysts and survey researchers.

The M.S. major in Marketing Research and Analysis is a specialized degree program that helps to fill the disconnect between marketing practice and marketing education. As technology advances and data collection becomes the primary source for managerial decisions, a need has evolved for a managerial workforce with advanced degrees in marketing to be able to make effective use of this vast amount of data coming into the organization. These marketing research and analysis functions are a critical part of modern marketing in organizations. Effective organizations are making decisions based on facts and these facts are gleaned from analysis of incoming data. More and more organizations are using marketing analytics and digital marketing. There is an unmet need for marketing professionals who can interpret and relate that data to marketing decisions as well as make marketing decisions in an increasingly digital marketplace.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree (preferably in business administration or a related field) from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- knowledge of business functions (management, marketing, finance, accounting, MIS) demonstrated through previous course work and/or work experience
- official GMAT or GRE (general test only) with a competitive score
- responses to specific essay questions on the statement of purpose

- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- three letters of recommendation from persons best able to assess the student's ability to succeed in graduate school

TOEFL or IELTS Scores

- Non-native English speakers who do not qualify for an English proficiency waiver:
- official TOEFL iBT scores required with a 80 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Marketing Research and Analysis non-thesis option requires 30 semester credit hours.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
B A 5352	Developing the Financial Perspective of the Firm	3
MKT 5321	Marketing Management	3
MKT 5322	Marketing Research Methods	3
MKT 5323	Qualitative Research in Marketing	3
MKT 5340	Digital Marketing	3
MKT 5345	Marketing Analytics	3
MKT 5350	Strategic Marketing Analysis and Planning	3
QMST 5334	Statistical Methods for Business	3
Prescribed Electives		
Choose 6 hours from the following:		6
ACC 5361	Accounting Analysis for Managerial Decision Making	
CIS 5355	Database Management Systems	
CIS 5358	Agile Project Management For Business Professionals	
CIS 5360	E-Commerce: Strategies, Technologies, and Applications	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
FIN 5387	Managerial Finance	
MC 5308	Seminar in Strategic Communication	
MGT 5310	Organizational Change Management	
MGT 5311	Process Improvement Management in Organizations	
MGT 5321	Supply Chain Management	
MGT 5325	Managing Business Creativity	
MKT 5330	International Marketing	
MKT 5331	Integrated Marketing Communications	
MKT 5335	Services Marketing	
MKT 5395	Independent Study in Marketing	
MKT 5398	Internship in Marketing	
PSY 5321	Multivariate Statistics	
QMST 5335	Forecasting and Simulation	
QMST 5336	Analytics	
QMST 5343	Data Mining	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Marketing: MKT

MKT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5321. Marketing Management.
A study of the planning and coordination of marketing functions, marketing policies, and the analysis of marketing administration. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5322. Marketing Research Methods.
An advanced study of the marketing research process to include problem formulation, determination of sources of information and research design, design of data collection forms, design of the sample, collection of the data, analysis and interpretation of the data, preparation of the research report, and oral presentation of the research findings. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5323. Qualitative Research in Marketing.
This course examines qualitative methods as used in marketing and market research. Topics include the design and execution of qualitative research projects using various qualitative methodological approaches. Activities include application of qualitative methods for conducting research. Students will apply learning in a qualitative research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5325. Global Marketing and the Value Chain.
To understand the value chain concept and the linkages between value chains in the global marketplace. This will include evaluating the various value chains: supplier, firm, channel, and buyer in the global context. Topics will include procurement, operations, logistics, negotiation, marketing channels, and customer service.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5330. International Marketing.
An application of marketing concepts to the global business environment. Examines marketing in the light of international economic, social, cultural, business, and environmental factors. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5331. Integrated Marketing Communications.
An analysis of consumer behavior in the marketplace and its application to the preparation and presentation of a complete integrated marketing communications plan for a local, regional, and/or national client. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5335. Services Marketing.
Services dominate the U.S. economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5340. Digital Marketing.
This course examines marketing strategies in the digital environment. It examines the latest technology and analytical tools used in e-marketing and e-commerce, including online advertising, mobile marketing, social media marketing, search marketing, email marketing, and web analytics. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5345. Marketing Analytics.
This course is a study of the scientific approach that connects customer data and competitive information to drive marketing decision-making. The course explores customer data analysis techniques and their theoretical foundations that are applied to real world business problems. Students will learn software, conduct data analysis and communicate the results. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5350. Strategic Marketing Analysis and Planning.
This course examines strategic marketing decision making through the analysis and interpretation of marketing intelligence, metrics, and dashboards. Topics will include data-driven decision making on marketing challenges pertaining to customers, brands, marketing mix decisions, online strategy and social media, market performance, and firm profitability. Prerequisite: MKT 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5395. Independent Study in Marketing.
Individual problems or topics will be designed and completed to emphasize selected areas of study in Marketing. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5397C. Technology and Marketing.
Technology & Marketing covers the impact of new information technologies on marketing and marketing industries undergoing high levels of technological change. Subject areas such as social media, e-commerce, database marketing, business-to –business marketing, and customer contact management are examined and illustrated in industry settings that emphasize innovation through new technologies. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MKT 5397D. Marketing Metrics and Analysis.
To understand the measurement, analysis, and interpretation of marketing metrics that are critical for marketing strategy development and firm performance. Topics will include metrics associated with customers, brands, marketing mix decisions, online strategy and social media, firm profitability, and marketing dashboards. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MKT 5398. Internship in Marketing.
Internship in marketing is an external employer supervised, experiential learning course that enables a student to integrate professional and graduate business coursework. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5399A. Thesis.
This course represents a student's initial thesis enrollments. No thesis credit is awarded until student has completed the thesis in Marketing Research and Analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MKT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Marketing Research and Analysis (Thesis Option)

Marketing research and analytics are used by companies to link information about products, customers and markets to financial metrics like sales, margin, and EBITDA (earnings before interest, taxes, depreciation, and amortization). Further, McKinsey & Company claims that marketing and sales leaders need to use analytics since companies that effectively use data will improve productivity and profitability. Marketing research is increasingly being incorporated into the strategic planning function by organizations. This shift is increasing the scope and demand for marketing managers with strong research skills as well as the need for market research analysts and survey researchers.

The M.S. major in Marketing Research and Analysis is a specialized degree program that helps to fill the disconnect between marketing practice and marketing education. As technology advances and data collection becomes the primary source for managerial decisions, a need has evolved for a managerial workforce with advanced degrees in marketing to be able to make effective use of this vast amount of data coming into the organization. These marketing research and analysis functions are a critical part of modern marketing in organizations. Effective organizations are making decisions based on facts and these facts are gleaned from analysis of incoming data. More and more organizations are using marketing analytics and digital marketing. There is an unmet need for marketing professionals who can interpret and relate that data to marketing decisions as well as make marketing decisions in an increasingly digital marketplace.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree (preferably in business administration or a related field) from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- a competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- knowledge of business functions (management, marketing, finance, accounting, MIS) demonstrated through previous course work and/or work experience
- official GMAT or GRE (general test only) with a competitive score
- responses to specific essay questions on the statement of purpose
- resume/CV detailing work experience, extracurricular and community activities, and honors and achievements
- three letters of recommendation from persons best able to assess the student's ability to succeed in graduate school

TOEFL or IELTS Scores

- Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 80 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Marketing Research and Analysis requires 30 semester credit hours, including a thesis.

Any student enrolled in a graduate degree program in the McCoy College of Business Administration can earn no more than two grades of C or lower. Even if the grade of C or lower was replaced with a higher grade as a result of repeating the course, the original grade counts as a "strike" under this policy. Upon earning the third C (or lower), the student is automatically placed on academic suspension and permanently dismissed from their degree program without any possibility of readmission to their program or another degree program in McCoy College. The 3 C Policy takes precedent over probationary status. So, if a student earns a third C they are automatically dismissed from their program permanently; even if probation does not occur.

Course Requirements

Code	Title	Hours
Required Courses		
B A 5352	Developing the Financial Perspective of the Firm	3
MKT 5321	Marketing Management	3
MKT 5322	Marketing Research Methods	3
MKT 5323	Qualitative Research in Marketing	3
MKT 5340	Digital Marketing	3
MKT 5345	Marketing Analytics	3
MKT 5350	Strategic Marketing Analysis and Planning	3
QMST 5334	Statistical Methods for Business	3
Thesis Courses		
MKT 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
MKT 5199B	Thesis	1
MKT 5299B	Thesis	2
MKT 5399B	Thesis	3
MKT 5599B	Thesis	5
MKT 5999B	Thesis	9
Total Hours		50

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Marketing: MKT

MKT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5321. Marketing Management.
A study of the planning and coordination of marketing functions, marketing policies, and the analysis of marketing administration. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5322. Marketing Research Methods.
An advanced study of the marketing research process to include problem formulation, determination of sources of information and research design, design of data collection forms, design of the sample, collection of the data, analysis and interpretation of the data, preparation of the research report, and oral presentation of the research findings. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5323. Qualitative Research in Marketing.
This course examines qualitative methods as used in marketing and market research. Topics include the design and execution of qualitative research projects using various qualitative methodological approaches. Activities include application of qualitative methods for conducting research. Students will apply learning in a qualitative research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5325. Global Marketing and the Value Chain.
To understand the value chain concept and the linkages between value chains in the global marketplace. This will include evaluating the various value chains: supplier, firm, channel, and buyer in the global context. Topics will include procurement, operations, logistics, negotiation, marketing channels, and customer service.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5330. International Marketing.
An application of marketing concepts to the global business environment. Examines marketing in the light of international economic, social, cultural, business, and environmental factors. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5331. Integrated Marketing Communications.
An analysis of consumer behavior in the marketplace and its application to the preparation and presentation of a complete integrated marketing communications plan for a local, regional, and/or national client. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5335. Services Marketing.
Services dominate the U.S. economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5340. Digital Marketing.
This course examines marketing strategies in the digital environment. It examines the latest technology and analytical tools used in e-marketing and e-commerce, including online advertising, mobile marketing, social media marketing, search marketing, email marketing, and web analytics. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5345. Marketing Analytics.
This course is a study of the scientific approach that connects customer data and competitive information to drive marketing decision-making. The course explores customer data analysis techniques and their theoretical foundations that are applied to real world business problems. Students will learn software, conduct data analysis and communicate the results. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5350. Strategic Marketing Analysis and Planning.
This course examines strategic marketing decision making through the analysis and interpretation of marketing intelligence, metrics, and dashboards. Topics will include data-driven decision making on marketing challenges pertaining to customers, brands, marketing mix decisions, online strategy and social media, market performance, and firm profitability. Prerequisite: MKT 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5395. Independent Study in Marketing.
Individual problems or topics will be designed and completed to emphasize selected areas of study in Marketing. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5397C. Technology and Marketing.
Technology & Marketing covers the impact of new information technologies on marketing and marketing industries undergoing high levels of technological change. Subject areas such as social media, e-commerce, database marketing, business-to –business marketing, and customer contact management are examined and illustrated in industry settings that emphasize innovation through new technologies. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MKT 5397D. Marketing Metrics and Analysis.
To understand the measurement, analysis, and interpretation of marketing metrics that are critical for marketing strategy development and firm performance. Topics will include metrics associated with customers, brands, marketing mix decisions, online strategy and social media, firm profitability, and marketing dashboards. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MKT 5398. Internship in Marketing.
Internship in marketing is an external employer supervised, experiential learning course that enables a student to integrate professional and graduate business coursework. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5399A. Thesis.
This course represents a student's initial thesis enrollments. No thesis credit is awarded until student has completed the thesis in Marketing Research and Analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MKT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

College of Education

Dean
Michael P. O'Malley, Ed.D.
Education Building Room 2001
Telephone: 512-245-2150 Fax: 512-245-3158
http://www.education.txstate.edu/

Associate Dean for Research and Sponsored Programs
Jon Lasser, Ph.D.
Associate Dean for Teacher Education and Academic Affairs
Patrice H. Werner, Ph.D.
Assistant Dean for Academic Affairs
Rubén Garza, Ph.D.
Assistant Dean for Educational Partnerships and Enrollment
Joellen Coryell, Ph.D.

Department Chairs
Counseling, Leadership, Adult Education, and School Psychology–Kevin A. Fall, Ph.D.
Curriculum and Instruction–Jodi Patrick Holschuh, Ph.D.

Health and Human Performance–Karen S. Meaney, Ed.D.

Office of Educator Preparation

Education Building – Room 2016
T: 512.245.7880 F: 512.245.8345
http://www.education.txstate.edu/oep

Texas State University's legacy as a normal school founded in 1899 with a mission dedicated to preparing new teachers remains with us today in the College of Education's commitment to the highest quality educator and professional preparation across many fields. Our graduate programs at the master's, specialist, and doctoral levels reflect our dedication to successful and vibrant PK-12 schools through the preparation of elementary and secondary teachers, principals and superintendents, school psychologists, school counselors, special education professionals, and reading and technology specialists. In addition, these programs prepare bilingual/bicultural elementary teachers and school psychologists. The College of Education has also developed a core focus on learning across the lifespan with programs in adult education, developmental education, and student affairs in higher education. Equally significant to the college's mission is our substantial focus on health and wellness fields through graduate programs in professional counseling, exercise and sports science, athletic training, health education, recreation management, and therapeutic recreation. College of Education faculty and graduate students work together in learning and research activities oriented toward the transformative well-being of individuals, communities, and our world.

Department of Counseling, Leadership, Adult Education, and School Psychology

Education Building Room 4037
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http://www.txstate.edu/clas

Comprised of graduate programs at the master's and doctoral levels, our department consists of a multidisciplinary team of professors and highly qualified staff committed to the educational and professional success of our students. Our students and graduates provide leadership and professional service to schools, agencies, communities, colleges and universities, and professions across Texas as well as nationally and internationally. Pursuing the dreams and possibilities of a graduate education, our students come from many distinct fields, diverse backgrounds, and bring a wide range of professional and personal experiences that enrich our work together. Our faculty are deeply involved in high quality, innovative, and critical research projects generating knowledge and understanding oriented toward the flourishing of communities, individuals, and the social institutions that support them. Eager to share the work of research, scholarship, and learning with their students, the faculty also supports and advances Texas State as a Hispanic Serving Institution. The department consists of approximately 38 full-time faculty, 20 part-time faculty with practitioner and leadership expertise, 5 staff, 465 graduate students, and an additional 135 doctoral students. The department employs 37 doctoral and graduate assistants and operates community counseling clinics at both the San Marcos and Round Rock campuses.

Student Fitness and Performance

Program Standards

Students enrolled in all academic programs in The Graduate College must maintain high scholastic standards and develop a mastery of the knowledge and methods of their respective discipline. Students are expected to demonstrate emotional and mental fitness in their interactions with others, use skills and methods that are generally accepted by others in the profession, and conform to the code of ethics of their respective discipline, and the university's honor code. A student's acceptance in any program does not guarantee the student's fitness to remain in that program. The faculty is responsible for verifying that only those students who continue to meet program standards are allowed to continue in any program.

Evaluation of Student Fitness and Performance

Members of the faculty, using their professional judgments, evaluate student fitness and performance continuously. The criteria used by the faculty to make such judgments include instructors' observations of student performance in class or in activities related to courses; evaluations of student performance on theses, dissertations, and practica; site supervisors' evaluations of student performance in practica and internships, and the codes of ethics for the student's field of study. Students who are not making satisfactory progress or who are not meeting program standards should consider withdrawing from the program.

In this context, the term "satisfactory progress" refers to an academic judgment made regarding the student's fitness and performance. It is a judgment that the student has failed to meet program standards rather than a judgment made on the basis of the student's violation of valid rules of conduct. Disciplinary matters are referred to Student Justice.

Student Review Process

If a faculty member believes that a student is not making satisfactory progress or meeting program standards, he or she should discuss the situation with the student. If the faculty member believes that the student's performance is not on track to improve to acceptable standards, the faculty member should refer the student to the Program Standards Committee of the appropriate academic program. The Program Standards Committee consists of three faculty members appointed by the department chair in consultation with the department's senior faculty.

The Committee will notify the student of the reasons that he or she is not making satisfactory progress or meeting program standards and will give the student an opportunity to meet with the Committee to respond and to present information and witnesses to the Committee. The Committee will also meet with the faculty member who referred the student to the Committee. After considering the matter, and within ten working days of meeting with the student, the Committee will report its decision to the student and the department chair, stating that the student should either remain in or leave the program. The Committee may make other decisions, such as placing restrictions or conditions on the student's continuing in the program and/or specific requirements for improvement and meeting satisfactory progress. Within ten working days of receiving the Committee's decision, the student will notify the department chair of the student's acceptance or rejection of the Committee's decision. If the student rejects the Committee's decision, he or she may appeal to the department chair.

Within ten working days of receiving the student's appeal, the chair will make a decision as to the student's continued presence in the program. **Before making the decision, the chair will meet with the student. However, the chair need not meet with the student before making a decision if the student was given a reasonable opportunity to meet, and the student either failed or refused to meet. The chair will notify the student of the decision.**

If the student is dissatisfied with the chair's decision, he or she may appeal to the dean of the college. However, in order for the dean to consider an appeal, the student must submit a written notice of appeal to the chair and the dean within ten working days of receiving the chair's decision. The dean will consider the matter based on information compiled by the chair and notify the student of the decision within ten working days of the dean's receipt of the appeal from the chair. The dean may meet with the student and give the student an opportunity to address the issues. The dean's decision is final.

Certification and Licensure Programs

Academic preparation for certification and licensure requirements is available in addition to majors and emphases associated with degree programs. These include certification in school counseling, principal, or superintendent; and licensure as marriage and family therapist, professional counselor, or Licensed Specialist in School Psychology. Inquiries regarding any of these certification or licensure programs should be directed to the appropriate program certification advisor. To be considered for admission to a certification or licensure program, students must meet the same admission and deadline requirements as the degree-seeking students, which are detailed on The Graduate College's website. Satisfactory performance on the TExES certification examination is required for provisional or professional certificates. Other conditions and professional tests are required by the state of Texas to be certified or licensed. It is the responsibility of the student to be aware of and to meet these conditions.

Educational Leadership certification includes two distinct certifications as Texas public school administrators: principal/assistant principal and superintendent, which requires 15 additional hours above the principal/assistant principal certification. These programs fulfill academic requirements for leadership positions such as elementary, middle, or secondary principal/assistant principal and school district level positions.

Certification in counseling and guidance includes certification as a school counselor. The Master of Arts degree with a major in Professional Counseling with the school counseling specialization meets state academic requirements for school counseling certification.

Licensure in professional counseling includes Texas Licensed Professional Counselor (LPC) and Texas Licensed Marriage and Family Therapist (LMFT). The professional counseling program meets the academic and practicum requirements of the Texas State Board of Examiners of Professional Counselors and the Texas State Board of Examiners of Marriage and Family Therapists.

Licensure as a Specialist in School Psychology includes both a degree program and a re-specialization plan. The school psychology program meets the academic and supervised practice standards of the Texas State Board of Examiners of Psychologists for providing psychological services in the public schools as a Licensed Specialist in School Psychology (LSSP). The program also meets the standards of the National Association of School Psychologists (NASP) for the credential of National Certified School Psychologist (NCSP). Applicants must have graduated from a master's, specialist, or doctoral program in psychology in order to be eligible for re-specialization and licensure in school psychology.

Doctor of Philosophy (Ph.D.)

- Major in Adult, Professional, and Community Education (p. 1019)
- Major in School Improvement (p. 1029)

Specialist in School Psychology (S.S.P.)

- Major in School Psychology (p. 1039)

Master of Arts (M.A.)

- Major in Adult, Professional, and Community Education (Adult English as a Second Language Concentration Non-thesis Option) (http://mycatalog.txstate.edu/graduate/education/counseling-leadership-adult-school-psychology/ad-pro-comm-ed-adultesl-nonthesis-ma)
- Major in Adult, Professional, and Community Education (Adult English as a Second Language Concentration Thesis Option) (http://mycatalog.txstate.edu/graduate/education/counseling-leadership-adult-school-psychology/ad-pro-comm-ed-adultesl-thesis-ma)
- Major in Adult, Professional, and Community Education (Workplace, Community, and Continuing Education Concentration Non-thesis Option) (http://mycatalog.txstate.edu/graduate/education/counseling-leadership-adult-school-psychology/ad-pro-comm-ed-workcommandconted-nonthesis-ma)
- Major in Adult, Professional, and Community Education (Workplace, Community, and Continuing Education Concentration Thesis Option) (http://mycatalog.txstate.edu/graduate/education/counseling-leadership-adult-school-psychology/ad-pro-comm-ed-workcommandconted-thesis-ma)
- Major in Educational Leadership (p. 1057)
- Major in Professional Counseling (Clinical Mental Health Counseling Concentration Non-thesis Option) (p. 1060)
- Major in Professional Counseling (Clinical Mental Health Counseling Concentration Thesis Option) (p. 1064)
- Major in Professional Counseling (Marriage and Family Counseling Concentration Non-thesis Option) (p. 1070)
- Major in Professional Counseling (Marriage and Family Counseling Concentration Thesis Option) (p. 1075)
- Major in Professional Counseling (School Counseling Concentration) (p. 1080)
- Major in Professional Counseling (School Counselor Concentration, Early Childhood Through Grade 12 Professional Certification) (p. 1085)

Master of Education (M.Ed.)

- Major in Educational Leadership (p. 1090)
- Major in Student Affairs in Higher Education (p. 1092)

Minors

- Adult Education (p. 1095)
- Counseling and Guidance (p. 1095)
- Educational Leadership (p. 1095)

Certificate

- Adult English as a Second/Foreign Language (p. 1096)

Doctor of Philosophy (Ph.D.) Major in Adult, Professional, and Community Education

Program Overview

The Doctor of Philosophy (Ph.D.) degree with a major in Adult, Professional, and Community Education (APCE) is designed for individuals in a variety of educational roles who wish to develop and refine their abilities to provide leadership for educational excellence. The program prepares education professionals to individually and collaboratively engage in reflective and ethical practice as they foster the development of individual learners as well as existing and emerging learning communities, including schools, post-secondary institutions, workplaces, and community-based organizations.

The program admits students in the fall term only, and the students enroll each year as a cohort group. All students in a given cohort (including full-time and part-time students) will enroll together in each core course during the first year. All students in a given cohort who choose the same major also ordinarily enroll together in each course in the major.

Educational Goal

The College of Education's educational goal is to provide graduates with the experience to:

1. act as change agents;
2. apply the fundamental principles of facilitating student-centered, life-long learning;
3. accommodate the diverse needs of those they teach;
4. use technology as a tool for communication, research, teaching, and learning;
5. make ethically sound decisions and articulate the values and principles that guide decision making;
6. engage in professional development and support the professional development of others;
7. conduct and use research to strengthen the ties between educational theory and practice.

Financial Assistance

Doctoral assistantships are available to qualified candidates. Please see the Ph.D. program website (http://apce.education.txstate.edu/future-students/dra.html) or contact the doctoral program director for more information about assistantships and the degree program. Please see The Graduate College website for information on scholarship opportunities ((http://www.gradcollege.txstate.edu/funding.html)http://www.gradcollege.txstate.edu/funding.html).

Advising

During the first year, the student will be assigned an academic program mentor. The academic program mentor will work with the student to develop a program of study, and provide general academic and career-related advisement to the student. The doctoral program director, acting in the role of graduate advisor for the program, will submit all recommendations for the program of study and results of programs examinations to the dean of The Graduate College for approval. The dean of The Graduate College has final approval on all recommendations from the doctoral program director.

A dissertation advisor must be selected by the time a student takes the comprehensive examination; a complete dissertation committee must be formed prior to presenting a dissertation proposal for defense.

In the first term that a student enrolls for doctoral study, the student should confer with their graduate advisor and prepare a degree audit for their program. Doctoral degree audits are tailored with the individual student in mind. It is therefore possible for the individual degree audit to exceed the number of degree hours identified in the catalog.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree from a regionally accredited university in a field related to the proposed course of study
- official transcripts from **each institution** where course credit was granted
- minimum 3.5 GPA in all completed graduate course work
- GRE not required
- interview with program faculty
- resume/CV
- statement of purpose (approximately 500 words) that describes background and professional goals and includes the rationale for pursuing a doctoral degree in adult, professional, and community education
- three forms of recommendation addressing professional and academic background. References are required to use the program's Professional Reference Evaluation form and are also strongly encouraged to attach a recommendation letter to the form.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0
- This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Adult, Professional, and Community Education (APCE) requires 63 semester credit hours. In some cases, a student may need to complete additional hours before being allowed to advance to candidacy. The student must have satisfied the residency requirement of 18 graduate credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
ED 7314	Community Development for Educators	3
ED 7312	Leadership and Organizational Change	3
ED 7321	Historical and Philosophical Foundations and Contemporary Issues in Adult Education	3
ED 7316	Advanced Studies in Adult Development	3
ED 7318	Advanced Studies in Adult Learning	3
ED 7324	Problems and Strategies in Program Planning Seminar	3
ED 7322	Human Resource and Professional Development	3
ADED 7325	Teaching Adults: Principles and Practices	3
ED 7315	Models of Inquiry: Understanding Epistemologies	3
ED 7320	Literature Review for Research Writing	3
ED 7352	Beginning Qualitative Design and Analysis	3
ED 7351	Beginning Quantitative Research Design and Analysis	3
ED 7341	Dissertation Proposal Development	3
ED 7354	Intermediate Qualitative Design and Analysis	3
or ED 7353	Intermediate Quantitative Research Design and Analysis	
Electives		
Choose 9 hours from the following:		9
ADED 7325	Teaching Adults: Principles and Practices	
ADED 7337	Adult Literacy	
ADED 7342	Adult ESL Methods and Materials	
ADED 7343	Organizational Learning and Development	
ADED 7344	Multicultural Perspectives in Postsecondary Education and Adult Education	
ADED 7345	Current Issues in Adult, Continuing and Professional Education	
CI 7326	Grant Development and Management	
CI 7378	Independent Study	
CI 7389A	Topics in Instructional Technology	
COMM 7325A	Instructional Communication	
ED 7345	Human Resources and Instructional Management	
ED 7347	The Superintendency	
ED 7349	School Finance and Business Management	
ED 7357	Advanced Study in Action Research	
ED 7361	Understanding People: Professional Development	
ED 7362	Supervision of Instruction	
ED 7363	Curriculum Design	
ED 7371	Anthropology and Education	
EDCL 7344	Campus Leadership	
EDCL 7351		
EDCL 7387	Field Practicum, Part I	
EDCL 7388	Field Practicum Part II	
Dissertation		
Choose a minimum of 12 hours from the following:		12
ED 7199A	Dissertation in Education-Adult, Professional, and Community Education	
ED 7299A	Dissertation in Education-Adult, Professional and Community Education	
ED 7399A	Dissertation	
ED 7399B	Dissertation	
ED 7599A	Dissertation in Education - Adult, Professional and Community Education	
ED 7699A	Dissertation	
ED 7699B	Dissertation	
ED 7999A	Dissertation in Education - Adult, Professional and Community Education	
Total Hours		63

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Application for Advancement to Candidacy

Doctoral students will need to be advanced to candidacy within five years of initiating Ph.D. course work. Students need to indicate their intent to advance to candidacy during the term they complete the 51 hours of required course work. The Application for Advancement to Candidacy form may be obtained from The Graduate College website. The doctoral program director will then submit the completed forms to the dean of The Graduate College for review.

Advancement to Candidacy Time Limit

No credit will be applied toward the doctoral degree for course work completed more than five years before the date on which the student is advanced to candidacy. This time limit applies toward credit earned at Texas State as well as credit transferred to Texas State from other accredited institutions.

Requests for a time extension must be submitted to the doctoral program director, who in turn, submits a recommendation to the dean of The Graduate College.

Grade-Point Requirements for Advancement to Candidacy

To be eligible for advancement to candidacy, the student must have a minimum GPA of 3.0. No grade earned below a "B" on any graduate course may apply toward a Ph.D. at Texas State.

Incomplete grades must be cleared through the office of The Graduate College before a student can be approved for advancement to candidacy.

Comprehensive Examination

The doctoral students in the Ph.D. program are required to pass a comprehensive examination in which the student must integrate knowledge from core and concentration courses to solve a problem that the student is likely to encounter in a professional work setting. Arrangements for comprehensive examinations are made through the director of the Ph.D. program and the dissertation advisor. The results of the examination must be filed in the office of The Graduate College before the dean of The Graduate College gives final approval of advancement to candidacy. The Department of Counseling, Leadership, Adult Education, and School Psychology is responsible for submitting the reports to The Graduate College.

Dissertation Proposal

The dissertation proposal must be successfully defended and approved by the dean of The Graduate College before a student can be advanced to candidacy. Students must submit the dissertation proposal and one copy of the official "Dissertation Proposal form" to the dissertation advisor. Guidelines that discuss the purpose of the proposal, its preparation, its format, and procedures for its presentation and defense are available from the program director. After defending the dissertation proposal and obtaining committee members' signatures, the student must submit the dissertation proposal and dissertation proposal form to the program director for signature. The form also requires evidence of the IRB approval for any research involving human subjects. The program director will then forward the dissertation proposal and form through the department chair, to the dean of The Graduate College for final approval. Final approval must be received before proceeding with research on the dissertation. The Dissertation Proposal form may be obtained from the office of The Graduate College; proposal guidelines are also available at the website or from the doctoral program director.

Defense of the Dissertation Proposal

Students must defend the dissertation proposal in a meeting that begins with a public presentation and continues with an oral examination by the dissertation committee. The examination will address the proposed dissertation topic (problem definition and scope), research method, and relevant literature. The dissertation committee must sign the "Defense of the Dissertation Proposal form" to indicate approval and then submit the form for the signature of the doctoral program director and the department chair. The approved Defense of the Dissertation Proposal form must be forwarded to the dean of The Graduate College. The dissertation proposal must be approved and the Defense of the Dissertation Proposal form must be on file in the office of The Graduate College before any student can be advanced to candidacy.

Recommendation for Advancement to Candidacy

The dissertation committee recommends the applicant for advancement to candidacy to the doctoral program director, the department chair, and the dean of The Graduate College. The dean of The Graduate College certifies the applicant for advancement to candidacy once all requirements have been met. To be eligible for admission to candidacy the student must have successfully completed the comprehensive exam, completed all course work, and successfully defended the dissertation proposal.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must be an original contribution to scholarship and the result of independent investigation in a significant area. Preparation of the dissertation must follow the latest edition of the *Publication Manual of the American Psychological Association*.

Dissertation Enrollment Requirements

Enrollment

Any time a student is receiving official guidance on the dissertation, the student must be enrolled in a dissertation course. A student must maintain continuous enrollment in dissertation hours every term from the time they advance to candidacy until the dissertation is defended and approved. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred.

Students will normally register for at least three credit hours of dissertation. With the approval of the dissertation chair and the program director, they may be allowed to register for one hour of credit (ED 7199A or ED 7199B) when working less intensely on the dissertation (more detailed explanation available from the program director). Approval is not needed to register for ED 7199A or ED 7199B in the summer. This one-credit course is ordinarily repeatable for only three times during fall or spring terms.

Adult, Professional, and Community Education majors will enroll in a combination of the following dissertation courses:

Code	Title	Hours
ED 7199A	Dissertation in Education-Adult, Professional, and Community Education	1
ED 7299A	Dissertation in Education-Adult, Professional and Community Education	2
ED 7399A	Dissertation	3
ED 7399B	Dissertation	3
ED 7599A	Dissertation in Education - Adult, Professional and Community Education	5
ED 7699A	Dissertation	6
ED 7699B	Dissertation	6
ED 7999A	Dissertation in Education - Adult, Professional and Community Education	9

Hours

Students must complete a minimum of 12 semester hours of dissertation research and writing credit.

Dissertation Time Limit

Students are expected to complete the dissertation within five years of advancement to candidacy. The dissertation committee will review the student's progress annually.

Dissertation Advisor and Committee

A dissertation committee must be formed to oversee the research and writing of the dissertation. The dissertation committee will include a dissertation advisor and a minimum of three additional committee members.

The members must be chosen from qualified Ph.D. faculty. The dissertation advisor will chair the dissertation committee and must be from the College of Education. The committee members must be selected in consultation with the dissertation advisor. At least two members of the dissertation committee must be from the Department of Counseling, Leadership, Adult Education, and School Psychology. No more than one of the four required members of the committee should be someone external to the university (either a practitioner or a faculty member from another university approved as adjunct doctoral faculty). The doctoral program director, the department chair, and the dean of The Graduate College must approve the dissertation advisor and committee members.

Committee Changes

Any changes to the dissertation committee must be submitted for approval to the dissertation advisor, the doctoral program director, the department chair, and the dean of The Graduate College. Changes must be submitted no less than sixty days before the final dissertation defense. The “Dissertation Advisor/Committee Member Change Request form” may be obtained from The Graduate College website.

Defense of the Dissertation

Students must pass the final oral examination that covers the dissertation and the general field of the dissertation. Students must defend the dissertation in a meeting that begins with a public presentation and continues with an oral exam by the dissertation committee. Before scheduling the final oral exam, the student must have received approval of the dissertation chair. A completed "Dissertation Defense Report form" report must be submitted according to the schedule posted by the dean of The Graduate College and no later than ten days before the date of graduation.

Approval and Submission of the Dissertation and Abstract

The approval of the dissertation and abstract requires positive votes from the dissertation advisor and from a majority of the dissertation committee members. Refer to the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation* for specific guidelines regarding submission of the dissertation. The document must be submitted in electronic format.

Doctoral level courses in Education: ADED (p. 1022), COMM (p. 1023), ED (p. 1023), EDCL (p. 1028), SAHE (p. 1028)

Courses Offered

Adult Education (ADED)

ADED 7325. Teaching Adults: Principles and Practices.
Seminar that addresses methods and techniques for effective instruction of adults across a variety of settings and content. Emphasis on concepts, theories, and principles relevant to the selection, use, and evaluation of instructional strategies. Participants will have an opportunity to practice strategies that expand their teaching repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7337. Adult Literacy.
This course is designed to provide students with a broad foundation about the needs of undereducated students with a broad foundation about the needs of undereducated adults, including adult English language learners. Students will analyze and evaluate adult literacy legislation, instruction , research, and delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7342. Adult ESL Methods and Materials.
This course reviews traditional and contemporary adult language teaching methodologies. It focuses on the design of lessons that integrate listening, speaking, reading, writing, culture and all language skills. This class provides strategies for choosing, adopting, and adapting textbooks that integrate teaching material appropriate to different adult language learning settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7343. Organizational Learning and Development.
The course addresses a range of topics, including the effects of change, methods of organizational change, and factors influencing organizational development success. Students learn the roles of internal and external organizational development consultants, tools and processes for helping organizational members identify problems, gather and analyze information, and implement solutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7344. Multicultural Perspectives in Postsecondary Education and Adult Education.
This seminar covers a broad range of topics related to diversity within postsecondary and adult education. Course readings and projects relate to a wide variety of setting including colleges and universities, adult literacy programs, the workplace, and community based organizations. Students who have completed ADED 5344 may not take this course for doctoral credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ADED 7345. Current Issues in Adult, Continuing and Professional Education.
A seminar style course focusing on current issues in continuing and professional education including research and professional practice. Specific emphasis will vary depending on changes in contemporary issues. Students who have completed ADED 5345 may not take this course for doctoral credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7346. Adult and Nontraditional Students in Higher Education.
This seminar focuses on the "nontraditional student" in higher education, with emphasis on undergraduates 25 and older. Also considered are other nontraditional students facing similar challenges to participation in higher education. Topics include student characteristics, motivations, barriers, persistence, and outcomes as well as institutional and programmatic responses to this population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Communications (COMM)

COMM 7315. Directed Research in Communication Studies.
Independent study of a specific communication research area. May be repeated with different emphasis for additional credit. Prerequisite: Doctoral level standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 7325A. Instructional Communication.
A review of instructional communication theory and research with an emphasis on the function of communication in instructional settings. Prerequisite: Doctoral level standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

COMM 7325B. Organizational Communication.
A review of organizational communication theory and research with an emphasis on organizational development from a communication perspective. Prerequisite: Doctoral level standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

COMM 7325C. Communication Assessment.
An in depth study of communication assessment techniques employed in the field of oral communication. Statistical, experimental, and observational methods of assessing oral communication in interpersonal, group, and classroom settings are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

Education (ED)

ED 7199A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7199B. Dissertation.
Original research and writing in Education-School improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7299A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7299B. Dissertation.
Original research and writing in Education-School improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7310. Instructional Roles in Counseling, Leadership, Adult Education & School Psychology.
This seminar is intended to prepare graduate teaching and instructional assistants in the CLAS Department to function effectively in various instructional and instructional support roles. Required for first-year teaching assistants and GIAs. This course does not earn graduate degree credit. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ED 7311. Educational Philosophy in a Social Context.
This course examines the philosophical foundations of education from the time of Plato through current writings. It frames these foundations through the lens of educational challenges of today. Readings include classical and current writings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7312. Leadership and Organizational Change.
This course will familiarize students with different perspectives on organizations, different paradigms by which they might be viewed, and a survey of research done on organizations, organizational leadership and change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7313. Advanced Studies in Adult Learning and Development.
This advanced seminar will examine research and theoretical literature on a variety of topics including: characteristics of adult learners; models of adult cognitive and psychosocial development; adult cognition, memory, and intelligence; and principles for facilitating adult learning. Restricted to Ph.D. in Education degree, Major in School Improvement.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7314. Community Development for Educators.
Examines models and methods of community development as relevant to the practice and scholarship of formal and non-formal education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7315. Models of Inquiry: Understanding Epistemologies.
This course examines the philosophies informing different research epistemologies, and examples of how these can be actualized methodologically. Philosophies to be analyzed include feminism, and race-based theory. This course will help students see the multiple possibilities for conducting research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7316. Advanced Studies in Adult Development.
This course examines current theories of adult development, fundamental developmental changes in adulthood, and the implications for practice in adult education. Restricted to students admitted to the Education Ph.D. Program- APCE major or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7318. Advanced Studies in Adult Learning.
This advanced seminar will examine research and theoretical literature on a variety of topics related to adult learning such as: characteristics and diversity of adult learners; key theories of adult learning; alternative perspectives on adult learning; intelligence, aging and wisdom; and learning in the digital age. Restricted to students admitted to the Education Ph.D. Program – APCE major or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7320. Literature Review for Research Writing.
In this seminar course, students conduct a careful examination of a body of literature related to a research topic in adult/professional/community/lifelong education. The literature review tests research questions in relation to what is published about a topic, discusses various positions, crafts coherent arguments and addresses knowledge gaps. Prerequisites: ED 7352 or ED 7351, all with a grade of "B" or better. Restriction: Doctoral standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7321. Historical and Philosophical Foundations and Contemporary Issues in Adult Education.
Examines historical and philosophical foundations for the study and practice of adult professional, and community education in formal and non-formal settings; and contemporary issues in adult education in a "learning society." Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7322. Human Resource and Professional Development.
Examines the methods, practices, and issues of facilitating learning related to occupational, professional, and volunteer roles. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7323. Community/Organizational Leadership and Management.
Examines issues and strategies related to the operation and delivery of educational programs in post-secondary, adult, and community settings. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7324. Problems and Strategies in Program Planning Seminar.
Addresses principles and procedures, issues and trends, utilization of assessment, goal setting, and other effective strategies for developing learning opportunities and programs responsive to human, professional, and community needs. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7326. Theoretical Foundations of Educational Policy, Politics and Practice.
This course examines the historical and theoretical underpinnings informing educational policy, politics and social justice. It addresses both the micro and macro levels of the context, values, and cultural norms guiding policy and practice in a democratic society. Prerequisites: ED 7311 and ED 7312 and ED 7313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7327. Education Policy Development.
This course equips students with the skills needed to analyze the origins and consequences of existing policy and to play active roles in policy development for educational equity and social justice. Prerequisite: ED 7326 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7328. Research and Analysis in Education Policy.
This course engages students in a field-based educational policy research project using quantitative and qualitative techniques. Students will develop their skills to identify policy issues, gather and analyze data, and draw conclusions, and disseminate findings. Prerequisites: ED 7326 and ED 7327 and ED 7351 and ED 7352, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7329. Field-Based Experience in Educational Policy.
This course provides fieldbased practice in policy analysis and development from a democratic and social justice perspective. With guidance from a university faculty supervisor and site mentor, the student will develop and implement a policy project related to democracy and social justice. Prerequisite: ED 7328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7331. Foundations of School Improvement.
Examines school improvement efforts from philosophical, political, psychological, cultural, ethical, and technological foundations. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7332. Facilitating School Improvement.
Examines school culture, schools as learning communities, the change process, and research-based school improvement models, with experiential applications. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7333. Curriculum and Instructional Leadership.
Examines the relationship between curriculum, instructional improvement, and teacher development, with experiential applications. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7334. Models of Educational Assessment.
Includes assessment of student learning at the individual, classroom, school, and system level; teacher assessment; and program assessment. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7341. Dissertation Proposal Development.
In this course students approaching dissertation stage meet in a seminar designed to help them clarify their research problem and develop a preliminary proposal for the dissertation. Core and concentration courses must be completed with minimum grades of "B" in each course prior to taking ED 7341. Prerequisites: ED 7351 and ED 7352, and ED 7353 or ED 7354, all with a grade of "B" or better. Departmental approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7345. Human Resources and Instructional Management.
This course focuses on the twin areas of human resource administration and instructional improvement. Topics addressed include legal requirements for personnel management, staff supervision, appraisal, and development, curriculum planning and alignment and student assessment. Students taking the course will complete an original research project under the instructor's direction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7347. The Superintendency.
This course addressed issues critical to superintendents in Texas. These include leadership, leadership assessment, school board relations, and other governance issues, management strategies, the role of public education in a democratic society, and professional ethics. Students taking the course will complete an original research project under the instructor's direction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7349. School Finance and Business Management.
This course focuses on the financing of public schools. Students will examine the school budgeting process, sources of school revenues, principals of taxation, methods of school fund accounting, and techniques of business management. Students taking the course will complete an original research project under the instructor's direction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7351. Beginning Quantitative Research Design and Analysis.
Includes descriptive statistics; sampling techniques; statistical inference including the null hypothesis, significance tests, and confidence intervals; and causal-comparative analyses, including t-test and ANOVA. Prerequisites: Core and Concentration courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7352. Beginning Qualitative Design and Analysis.
Introduces the qualitative paradigm. Includes distinctive features, alternative qualitative traditions, purposeful sampling, common data collection methods, inductive analysis, the role of the researcher, and evaluating qualitative research. Prerequisites: Core and Concentration courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7353. Intermediate Quantitative Research Design and Analysis.
This course focuses on issues in the design and implementation of quantitative research. Topics include ANOVA, ANCOVA, and MANOVA, correlation analysis, regression analysis, nonparametric tests, and relationships between experimental designs and statistical analysis techniques. Prerequisite: ED 7351 with a grade of "B" or better, or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7354. Intermediate Qualitative Design and Analysis.
Focuses on issues in design and implementation of qualitative research. Topics include influence of alternative traditions, literature in qualitative research, access to the field and ethical issues, researcher-participant relationships, purposeful sampling strategies, inductive analysis procedures, developing theory, and reporting research. Prerequisite: ED 7352 with a minimum grade of "B", or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7357. Advanced Study in Action Research.
This course examines underlying theory, practice, skills, and issues in action research. Conducting research in the area of action research is also addressed. This course is an appropriate elective for majors in School Improvement or Adult, Professional and Community Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7359. Seminar in Quantitative Research.
This course is a small group seminar that focuses on analytic strategies specific to the doctoral student's dissertation topic. Examples include structural equation modeling, hierarchical linear modeling, log linear modeling, non-parametric analyses, factor analysis, factorial analysis of variance, and other multivariate statistical methods. Prerequisites: ED 7351 and ED 7353, all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7361. Understanding People: Professional Development.
Fundamental issues related to development of personnel. Knowledge of staff appraisal, adult learning and development, and staff development. Focus on professional development in K-12 schools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7362. Supervision of Instruction.
Concepts of curriculum and instructional models for schools will be developed. Factors such as curriculum leadership and instructional improvement are considered as part of the internal environment. An emphasis will be placed on supervision knowledge, skills, and tasks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7363. Curriculum Design.
Theory and practice in planning for curriculum needs assessment, development, implementation, and evaluation. Focus on K-12 school curricula. Students who have completed EDA 6342 may not take this course for doctoral credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7364. Team Development in Education.
This course addresses the development and use of educational teams to improve educational organizations, teaching, and learning. Because of its focus on education, it is recommended only for doctoral students preparing for careers in educational settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7371. Anthropology and Education.
This course introduces the student to the basic concepts in anthropology and education and sketches the application of these concepts. It explores the research in anthropology and education with relevance to both K-12 schools and other, more general educational settings. The course is an appropriate elective for Education Ph.D. majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7378. Problems in Education.
Individual problems or topics will be designed and completed to emphasize selected areas of study. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted
Grade Mode: Standard Letter

ED 7379. Independent Study.
Individual problems or topics will be designed and completed to emphasize selected areas of study in the Counseling, Leadership, Adult Education & School Psychology Department. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7389B. Seminar in International Educational Research: Chile.
This course develops theoretical knowledge, methodological skills, and scholarly capacity for international educational research. It focuses on research within the complex educational environment of Chile, involving seminar components held at the university and research fieldwork in Chile. International research is framed as a form of service learning. Restricted to students in the PhD in Education program.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389C. Advanced Theory in Qualitative Research.
This course features advanced study in qualitative research methods. The course studies such methods as ethnography, case study, phenomenology, narrative analysis, post-qualitative research, grounded theory, or more advanced qualitative research in general and their constitutive field techniques. Prerequisites: Introduction to Qualitative Research and Intermediate Qualitative Research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389D. Advanced Theory in Qualitative Research: Narrative Research.
The purpose of this course is to explore the possibilities of narrative research. The course will provide an overview of narrative inquiry, look at various theories and corresponding examples of research, and explore, analyze, and interpret data using narrative methods. Prerequisites: Introduction to Qualitative Research and Intermediate Qualitative Research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389E. Mexican Perspectives on Mexico - U.S. Immigration.
The course gives U.S. educators an understanding of Mexican to U.S. immigration from Mexican women's perspectives. Students will read background information and visit Mexico where through lectures, field interviews, and field visits, they will view immigration from the "other side". They will analyze and write up data when they return.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389H. Oracy and Language Expression for Educators.
This course focuses on the theory and practice of language expression. It emphasizes the relationship between audience analysis, speaker goals, organized outlines, delivery and development of personal style of presentation skills. The course offers direct experience writing, delivering, and constructively evaluating public speeches in a variety of educational contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389L. Writing for Publication.
Students will hone their writing skills. Students will work individually and in groups, getting feedback from other students and the instructor. Topics include APA style, getting started, first drafts, polishing and tightening, re-writing, submitting a manuscript, responding to feedback/reviews and more. Restricted to masters' and doctoral students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389M. Shifting Demographics in Texas: Exploring Education, Democracy and Healthy Communities.
Students will explore the shifting population in Texas through multiple frames including historical, sociological, anthropological and political. Class will canvas the literature and emerging community conditions as a vehicle for imagining possible theoretical, policy and local responses to the conditions we see in schools and local communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389O. Educational Privatization: Policies, Actors, and Effects.
This course interrogates the origins and outcomes of educational privatization. In this course, students will review the foundations of education as a public good, study frameworks and theories of privatization, trace public policies promoting privatization, delineate types of educational privatization over time, and examine the actors involved in educational privatization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389P. International Comparative Adult, Community, and Higher Education Research and Study: Italy.
This course develops theoretical knowledge, methodological skills, and scholarly capacity for educational research. It focuses on comparative adult, higher, and socio-cultural education within the complex educational environment of Italy, involving seminar components held at the university and research fieldwork and presentation in Italy. Prerequisite: Should the student not be able to participate in the international component of the course, a domestic alternative can be discussed prior to enrollment.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389Q. Schools, Communities and Race in a Democratic Society.
The class explores race through a personal lived perspective. This class will view race as a social construct. Students will interrogate the phenomena of race through multiple lens and frames, including but not limited to, an ontological perspective, its use in organizations, and its use in re-segregating society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7399A. Dissertation.
Original research and writing in Adult, Professional, and Community Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted
Grade Mode: Credit/No Credit

ED 7399B. Dissertation.
Original research and writing in School Improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted
Grade Mode: Credit/No Credit

ED 7599A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7599B. Dissertation.
Original research and writing in Education-School improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7699A. Dissertation.
The student conducts original research and writing in Adult, Professional, and Community Education, guided by the direct supervision of the dissertation chair. While conducting dissertation research and writing, students must be continuously enrolled.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7699B. Dissertation.
Students produce a dissertation under direct supervision of dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled. Prerequisites: Core, Concentration, and Methodology courses or instructor's permission.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7999A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7999B. Dissertation.
Original research and writing in Education-School Improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Educational Leadership (EDCL)

EDCL 7100. Educational Leaders' Continuing Professional Development.
This course provides state-of-the-art continuing professional development for in-service, non-degree seeking educational leaders. New topics will be addressed with each offering. The course may be repeated as necessary.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 7344. Campus Leadership.
Develops the skills needed as a practitioner in elementary and secondary schools, focusing on the role and functions of the principal as a leader. Activities lead participants to practice skill development in evaluation processes, student activity programs, staffing patterns, site-based decision-making, community relations, accounting procedures, as well as other skills. Prerequisites: All Level I core courses, and EDCL 6342, EDCL 6343, EDCL 6348, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 7348. Public School Law.
Examines constitutional provision, statutory laws, court decisions, and regulations governing public schools, with reference to state and federal relationships. Participants develop skills in researching and interpreting law, policy development and impact on public schools and communities. (Note: Students who took EDCL 6348 may not repeat this course for doctoral credit.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 7387. Field Practicum, Part I.
Students seeking Principal Certification must complete this field-based 2 semester internship focusing on actual experiences with each of the state standards. The practicum provides opportunities to plan, produce, participate in, and reflect upon campus leadership. (Note: Students who took EDCL 6387 may not repeat these courses for doctoral credit.).
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 7388. Field Practicum Part II.
Students seeking Principal Certification must complete this field-based 2-semester internship focusing on actual experiences with each of the state standards. The practicum provides opportunities to plan, produce, participate in, and reflect upon campus leadership. (Note: Students who took EDCL 6388 may not repeat these courses for doctoral credit.).
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 7389. Superintendent Practicum I.
The practicum provides prospective superintendents and district leaders with practical experiences to prepare for various roles and responsibilities of central office leadership. Students work under the joint mentorship of a practicing school superintendent and a university supervisor. Offered fall semester only. May be taken concurrently with other superintendent certification courses. Prerequisite: ED 7347 with a grade of "B" or better.
3 Credit Hours. .5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 7390. Superintendent Practicum II.
This course is a continuation of EDCL7389 Superintendent Practicum I, providing prospective district leaders with practical experiences to prepare for central office leadership. Students work under the joint mentorship of a practicing school superintendent and a university supervisor. May be taken concurrently with other superintendent courses. Prerequisite: EDCL 7389.
3 Credit Hours. .5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

Student Affairs in Higher Education (SAHE)

SAHE 7178. Independent Study.
This course focuses on individual research topics. Students choose a selected area of study and work independently on a specialized project. Repeatable with departmental approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SAHE 7278. Independent Study.
This course focuses on individual research topics. Students choose a selected area of study and work independently on a specialized project. Repeatable with departmental approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SAHE 7345. Gender and Sexuality in College.
This course examines the role of gender and sexuality in the college experience. Designed using feminist theory and a social justice framework, the course includes topics of gender identity development, intersectionality, and multiple identities, sexual orientation, gender privilege and oppression, gender disparities in achievement and persistence, femininity, and masculinity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 7378. Independent Study.
This course focuses on individual research topics. Students choose a selected area of study and work independently on a specialized project. Repeatable with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SAHE 7379B. Higher Education and Student Affairs in Qatar.
This course focuses on higher education and student affairs in the country of Qatar. Qatari colleges and American higher education branch campuses in Qatar will be examined. Topics include Qatari and Arab history and culture, student affairs services in Qatar, student development and student involvement, and intercultural competence.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SAHE 7379C. Professional Development in Student Affairs.
Professional development plays an important role in student affairs. This course will allow students to learn more about professional development, professional associations, and conferences. Additionally, students will attend a professional conference and explore the theme of the conference through readings and meetings with professional association leaders and speakers.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SAHE 7379E. Intergroup Dialogue.
This course is designed to give students both a theoretical and practical foundation in the knowledge, understanding, and skills needed to effectively facilitate intergroup dialogue. While providing foundational grounding in the theory and pedagogy of intergroup dialogue, the course directs particular attention to intergroup dynamics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SAHE 7379F. Interpersonal and Group Facilitation.
This course is designed to give students both a theoretical and practical foundation in the knowledge, understanding, and skills needed to effectively facilitate groups and group development. Communication, facilitation, peer leadership, and experiential learning are the focus of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Doctor of Philosophy (Ph.D.) Major in School Improvement

Program Overview

The doctoral program in school improvement is designed for individuals in a variety of educational roles who wish to develop and refine their abilities to provide leadership for educational excellence. The program prepares education professionals to individually and collaboratively engage in reflective and ethical practice as they foster the development of individual learners as well as existing and emerging learning communities, including schools, post-secondary institutions, workplaces, and community-based organizations.

The program admits students in the fall term only, and the students enroll each year as a cohort group. All students in a given cohort (including full-time and part-time students) will enroll together in each core course during the first year. All students in a given cohort who choose the same major also ordinarily enroll together in each course in the major.

Educational Goal

The College of Education's educational goal is to provide graduates with the experience to:

1. act as change agents;
2. apply the fundamental principles of facilitating student-centered, life-long learning;
3. accommodate the diverse needs of those they teach;
4. use technology as a tool for communication, research, teaching, and learning;
5. make ethically sound decisions and articulate the values and principles that guide decision making;
6. engage in professional development and support the professional development of others;
7. conduct and use research to strengthen the ties between educational theory and practice.

Financial Assistance

Doctoral assistantships are available to qualified candidates. Please see the Ph.D. program website (http://si.education.txstate.edu/Student-Resources/doc-assistantships.html) or contact the doctoral program director for more information about assistantships and the degree program. Please see The Graduate College website for information on scholarship opportunities (http://www.gradcollege.txstate.edu/funding).

Advising

During the first year, the student will be assigned an academic program mentor. The academic program mentor will work with the student to develop a program of study, and provide general academic and career-related advisement to the student. The doctoral program director, acting in the role of graduate advisor for the program, will submit all recommendations for the program of study and results of programs examinations to the dean of The Graduate College for approval. The dean of The Graduate College has final approval on all recommendations from the doctoral program director.

A dissertation advisor must be selected by the time a student takes the comprehensive examination; a complete dissertation committee must be formed prior to presenting a dissertation proposal for defense.

In the first term that a student enrolls for doctoral study, the student should confer with their graduate advisor and prepare a degree audit for their program. Doctoral degree audits are tailored with the individual student in mind. It is therefore possible for the individual degree audit to exceed the number of degree hours identified in the catalog.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://

www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree in a field related to the proposed studies from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.5 GPA in all completed graduate course work
- GRE not required
- resume/CV
- statement of purpose (approximately 500 words) describing background and professional goals, including the student's rationale for pursuing a doctoral degree
- three recommendation forms addressing the student's professional and academic background. References are required to use the program's Professional Reference Evaluation form and are also strongly encouraged to attach a recommendation letter to the form.
- possible interview with program faculty
- possible academic writing sample

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in School Improvement requires 63 semester credit hours. In some cases, a student may need to complete additional hours before being allowed to advance to candidacy. The student must have satisfied the residency requirement of 18 graduate credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
Semester One		
ED 7311	Educational Philosophy in a Social Context	3
ED 7364	Team Development in Education	3
Semester Two		
ED 7312	Leadership and Organizational Change	3
ED 7315	Models of Inquiry: Understanding Epistemologies	3
Semester Three		
ED 7313	Advanced Studies in Adult Learning and Development	3
ED 7314	Community Development for Educators	3
Additional Required Courses		
ED 7331	Foundations of School Improvement	3
ED 7332	Facilitating School Improvement	3
ED 7333	Curriculum and Instructional Leadership	3
ED 7334	Models of Educational Assessment	3
ED 7341	Dissertation Proposal Development	3
ED 7351	Beginning Quantitative Research Design and Analysis	3
ED 7352	Beginning Qualitative Design and Analysis	3
ED 7353	Intermediate Quantitative Research Design and Analysis	3
or ED 7354	Intermediate Qualitative Design and Analysis	
Electives		
Choose 9 hours from the following:		9
ADED 7325	Teaching Adults: Principles and Practices	
ADED 7337	Adult Literacy	
ADED 7342	Adult ESL Methods and Materials	
ADED 7343	Organizational Learning and Development	
ADED 7344	Multicultural Perspectives in Postsecondary Education and Adult Education	
ADED 7345	Current Issues in Adult, Continuing and Professional Education	
CI 7378	Independent Study	
CI 7389A	Topics in Instructional Technology	
COMM 7325A	Instructional Communication	
ED 7345	Human Resources and Instructional Management	
ED 7347	The Superintendency	
ED 7349	School Finance and Business Management	
ED 7357	Advanced Study in Action Research	
ED 7361	Understanding People: Professional Development	
ED 7362	Supervision of Instruction	
ED 7363	Curriculum Design	
ED 7371	Anthropology and Education	
Dissertation		
Choose a minimum of 12 hours from the following:		12
ED 7199B	Dissertation in Education-School Improvement	
ED 7299B	Dissertation in Education - School Improvement	
ED 7399A	Dissertation	
ED 7399B	Dissertation	
ED 7599B	Dissertation in Education - School Improvement	
ED 7699A	Dissertation	
ED 7699B	Dissertation	
ED 7999B	Dissertation in Education - School Improvement	
Total Hours		63

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Application for Advancement to Candidacy

Doctoral students will need to be advanced to candidacy within five years of initiating Ph.D. course work. Students need to indicate their intent to advance to candidacy during the term they complete the 51 hours of required course work. The "Application for Advancement to Candidacy form" may be obtained from The Graduate College website. The doctoral program director will then submit the completed forms to the dean of The Graduate College for review.

Advancement to Candidacy Time Limit

No credit will be applied toward the doctoral degree for course work completed more than five years before the date on which the student is advanced to candidacy. This time limit applies toward credit earned at Texas State as well as credit transferred to Texas State from other accredited institutions.

Requests for a time extension must be submitted to the doctoral program director, who in turn, submits a recommendation to the dean of The Graduate College.

Grade-Point Requirements for Advancement to Candidacy

To be eligible for advancement to candidacy, the student must have a minimum GPA of 3.0. No grade earned below a "B" on any graduate course may apply toward a Ph.D. at Texas State.

Incomplete grades must be cleared through the office of The Graduate College before a student can be approved for advancement to candidacy.

Comprehensive Examination

The doctoral students in the Ph.D. in education program are required to pass a comprehensive examination in which the student must integrate knowledge from core and concentration courses to solve a problem that the student is likely to encounter in a professional work setting. Arrangements for comprehensive examinations are made through the director of the Ph.D. program and the dissertation advisor. The results of the examination must be filed in the office of The Graduate College before the dean of the Graduate College gives final approval of advancement to candidacy. The Department of CLAS is responsible for submitting the reports to The Graduate College.

Dissertation Proposal

The dissertation proposal must be successfully defended and approved by the dean of The Graduate College before a student can be advanced to candidacy. Students must submit the dissertation proposal and one copy of the official "Dissertation Proposal form" to the dissertation advisor. Guidelines that discuss the purpose of the proposal, its preparation, its format, and procedures for its presentation and defense are available from the program director. After defending the dissertation proposal and obtaining committee members' signatures, the student must submit the dissertation proposal and dissertation proposal form to the program director for signature. The form also requires evidence of the IRB approval for any research involving human subjects. The program director will then forward the dissertation proposal and form through the department chair, to the dean of The Graduate College for final approval. Final approval must be received before proceeding with research on the dissertation. The Dissertation Proposal form may be obtained from The Graduate College website; proposal guidelines are also available at the website or from the doctoral program director.

Defense of the Dissertation Proposal

Students must defend the dissertation proposal in a meeting that begins with a public presentation and continues with an oral examination by the dissertation committee. The examination will address the proposed dissertation topic (problem definition and scope), research method, and relevant literature. The dissertation committee must sign the "Defense of the Dissertation Proposal form" to indicate approval and then submit the form for the signature of the doctoral program director and the department chair. The approved Defense of the Dissertation Proposal form must be forwarded to the dean of The Graduate College. The dissertation proposal must be approved and the Defense of the Dissertation Proposal form must be on file in the office of The Graduate College before any student can be advanced to candidacy.

Recommendation for Advancement to Candidacy

The dissertation committee recommends the applicant for advancement to candidacy to the doctoral program director, the department chair, and the dean of The Graduate College. The dean of The Graduate College certifies the applicant for advancement to candidacy once all requirements have been met. To be eligible for admission to candidacy the student must have successfully completed the comprehensive exam, completed all course work, and successfully defended the dissertation proposal.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must be an original contribution to scholarship and the result of independent investigation in a significant area. Preparation of the dissertation must follow the latest edition of *Publication Manual of the American Psychological Association*.

Dissertation Enrollment Requirements

Enrollment

Any time a student is receiving official guidance on the dissertation, the student must be enrolled in a dissertation course. A student must maintain continuous enrollment in dissertation hours every term from the time they advance to candidacy until the dissertation is defended and approved. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred.

Students will normally register for at least three credit hours of dissertation. With the approval of the dissertation chair and the program director, they may be allowed to register for one hour of credit (ED 7199A or ED 7199B) when working less intensely on the dissertation (more detailed explanation available from the program director). Approval is not needed to register for ED 7199A or ED 7199B in the summer. This one-credit course is ordinarily repeatable for only three times during fall or spring terms.

Education-school improvement majors will enroll in a combination of:

Code	Title	Hours
ED 7199B	Dissertation in Education-School Improvement	1
ED 7299B	Dissertation in Education - School Improvement	2
ED 7399A	Dissertation	3
ED 7399B	Dissertation	3
ED 7599B	Dissertation in Education - School Improvement	5

ED 7699A	Dissertation	6
ED 7699B	Dissertation	6
ED 7999B	Dissertation in Education - School Improvement	9

Hours

Students must complete a minimum of 12 semester hours of dissertation research and writing credit.

Dissertation Time Limit

Students are expected to complete the dissertation within five years of advancement to candidacy. The dissertation committee will review the student's progress annually.

Dissertation Advisor and Committee

A dissertation committee must be formed to oversee the research and writing of the dissertation. The dissertation committee will include a dissertation advisor and a minimum of three additional committee members.

The members must be chosen from qualified Ph.D. faculty. The dissertation advisor will chair the dissertation committee and must be from the College of Education. The committee members must be selected in consultation with the dissertation advisor. At least two members of the dissertation committee must be from the Department of Counseling, Leadership, Adult Education, and School Psychology. No more than one of the four required members of the committee should be someone external to the University (either a practitioner or a faculty member from another university approved as adjunct doctoral faculty). The doctoral program director, the department chair, and the dean of The Graduate College must approve the dissertation advisor and committee members.

Committee Changes

Any changes to the dissertation committee must be submitted for approval to the dissertation advisor, the doctoral program director, the department chair, and the dean of The Graduate College. Changes must be submitted no less than sixty days before the final dissertation defense. The "Dissertation Advisor/Committee Member Change Request form" may be obtained from The Graduate College website.

Defense of the Dissertation

Students must pass the final oral examination that covers the dissertation and the general field of the dissertation. Students must defend the dissertation in a meeting that begins with a public presentation and continues with an oral exam by the dissertation committee. Before scheduling the final oral exam, the student must have received approval of the dissertation chair. A completed "Dissertation Defense Report form" must be submitted according to the schedule posted by the dean of The Graduate College and no later than ten days before the date of graduation.

Approval and Submission of the Dissertation and Abstract

The approval of the dissertation and abstract requires positive votes from the dissertation advisor and from a majority of the dissertation committee members. Refer to the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation* for specific guidelines regarding submission of the dissertation. The document must be submitted in electronic format.

Doctoral level courses in Education: ADED (p. 1032), COMM (p. 1033), ED (p. 1033), EDCL (p. 1038), SAHE (p. 1038)

Courses Offered

Adult Education (ADED)

ADED 7325. Teaching Adults: Principles and Practices.
Seminar that addresses methods and techniques for effective instruction of adults across a variety of settings and content. Emphasis on concepts, theories, and principles relevant to the selection, use, and evaluation of instructional strategies. Participants will have an opportunity to practice strategies that expand their teaching repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7337. Adult Literacy.
This course is designed to provide students with a broad foundation about the needs of undereducated students with a broad foundation about the needs of undereducated adults, including adult English language learners. Students will analyze and evaluate adult literacy legislation, instruction , research, and delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7342. Adult ESL Methods and Materials.
This course reviews traditional and contemporary adult language teaching methodologies. It focuses on the design of lessons that integrate listening, speaking, reading, writing, culture and all language skills. This class provides strategies for choosing, adopting, and adapting textbooks that integrate teaching material appropriate to different adult language learning settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7343. Organizational Learning and Development.
The course addresses a range of topics, including the effects of change, methods of organizational change, and factors influencing organizational development success. Students learn the roles of internal and external organizational development consultants, tools and processes for helping organizational members identify problems, gather and analyze information, and implement solutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7344. Multicultural Perspectives in Postsecondary Education and Adult Education.
This seminar covers a broad range of topics related to diversity within postsecondary and adult education. Course readings and projects relate to a wide variety of setting including colleges and universities, adult literacy programs, the workplace, and community based organizations. Students who have completed ADED 5344 may not take this course for doctoral credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ADED 7345. Current Issues in Adult, Continuing and Professional Education.
A seminar style course focusing on current issues in continuing and professional education including research and professional practice. Specific emphasis will vary depending on changes in contemporary issues. Students who have completed ADED 5345 may not take this course for doctoral credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7346. Adult and Nontraditional Students in Higher Education.
This seminar focuses on the "nontraditional student" in higher education, with emphasis on undergraduates 25 and older. Also considered are other nontraditional students facing similar challenges to participation in higher education. Topics include student characteristics, motivations, barriers, persistence, and outcomes as well as institutional and programmatic responses to this population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Communications (COMM)

COMM 7315. Directed Research in Communication Studies.
Independent study of a specific communication research area. May be repeated with different emphasis for additional credit. Prerequisite: Doctoral level standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 7325A. Instructional Communication.
A review of instructional communication theory and research with an emphasis on the function of communication in instructional settings. Prerequisite: Doctoral level standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

COMM 7325B. Organizational Communication.
A review of organizational communication theory and research with an emphasis on organizational development from a communication perspective. Prerequisite: Doctoral level standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

COMM 7325C. Communication Assessment.
An in depth study of communication assessment techniques employed in the field of oral communication. Statistical, experimental, and observational methods of assessing oral communication in interpersonal, group, and classroom settings are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

Education (ED)

ED 7199A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7199B. Dissertation.
Original research and writing in Education-School improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7299A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7299B. Dissertation.
Original research and writing in Education-School improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7310. Instructional Roles in Counseling, Leadership, Adult Education & School Psychology.
This seminar is intended to prepare graduate teaching and instructional assistants in the CLAS Department to function effectively in various instructional and instructional support roles. Required for first-year teaching assistants and GIAs. This course does not earn graduate degree credit. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ED 7311. Educational Philosophy in a Social Context.
This course examines the philosophical foundations of education from the time of Plato through current writings. It frames these foundations through the lens of educational challenges of today. Readings include classical and current writings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7312. Leadership and Organizational Change.
This course will familiarize students with different perspectives on organizations, different paradigms by which they might be viewed, and a survey of research done on organizations, organizational leadership and change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7313. Advanced Studies in Adult Learning and Development.
This advanced seminar will examine research and theoretical literature on a variety of topics including: characteristics of adult learners; models of adult cognitive and psychosocial development; adult cognition, memory, and intelligence; and principles for facilitating adult learning. Restricted to Ph.D. in Education degree, Major in School Improvement.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7314. Community Development for Educators.
Examines models and methods of community development as relevant to the practice and scholarship of formal and non-formal education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7315. Models of Inquiry: Understanding Epistemologies.
This course examines the philosophies informing different research epistemologies, and examples of how these can be actualized methodologically. Philosophies to be analyzed include feminism, and race-based theory. This course will help students see the multiple possibilities for conducting research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7316. Advanced Studies in Adult Development.
This course examines current theories of adult development, fundamental developmental changes in adulthood, and the implications for practice in adult education. Restricted to students admitted to the Education Ph.D. Program- APCE major or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7318. Advanced Studies in Adult Learning.
This advanced seminar will examine research and theoretical literature on a variety of topics related to adult learning such as: characteristics and diversity of adult learners; key theories of adult learning; alternative perspectives on adult learning; intelligence, aging and wisdom; and learning in the digital age. Restricted to students admitted to the Education Ph.D. Program – APCE major or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7320. Literature Review for Research Writing.
In this seminar course, students conduct a careful examination of a body of literature related to a research topic in adult/professional/community/lifelong education. The literature review tests research questions in relation to what is published about a topic, discusses various positions, crafts coherent arguments and addresses knowledge gaps. Prerequisites: ED 7352 or ED 7351, all with a grade of "B" or better. Restriction: Doctoral standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7321. Historical and Philosophical Foundations and Contemporary Issues in Adult Education.
Examines historical and philosophical foundations for the study and practice of adult professional, and community education in formal and non-formal settings; and contemporary issues in adult education in a "learning society." Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7322. Human Resource and Professional Development.
Examines the methods, practices, and issues of facilitating learning related to occupational, professional, and volunteer roles. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7323. Community/Organizational Leadership and Management.
Examines issues and strategies related to the operation and delivery of educational programs in post-secondary, adult, and community settings. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7324. Problems and Strategies in Program Planning Seminar.
Addresses principles and procedures, issues and trends, utilization of assessment, goal setting, and other effective strategies for developing learning opportunities and programs responsive to human, professional, and community needs. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7326. Theoretical Foundations of Educational Policy, Politics and Practice.
This course examines the historical and theoretical underpinnings informing educational policy, politics and social justice. It addresses both the micro and macro levels of the context, values, and cultural norms guiding policy and practice in a democratic society. Prerequisites: ED 7311 and ED 7312 and ED 7313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7327. Education Policy Development.
This course equips students with the skills needed to analyze the origins and consequences of existing policy and to play active roles in policy development for educational equity and social justice. Prerequisite: ED 7326 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7328. Research and Analysis in Education Policy.
This course engages students in a field-based educational policy research project using quantitative and qualitative techniques. Students will develop their skills to identify policy issues, gather and analyze data, and draw conclusions, and disseminate findings. Prerequisites: ED 7326 and ED 7327 and ED 7351 and ED 7352, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7329. Field-Based Experience in Educational Policy.
This course provides fieldbased practice in policy analysis and development from a democratic and social justice perspective. With guidance from a university faculty supervisor and site mentor, the student will develop and implement a policy project related to democracy and social justice. Prerequisite: ED 7328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7331. Foundations of School Improvement.
Examines school improvement efforts from philosophical, political, psychological, cultural, ethical, and technological foundations. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7332. Facilitating School Improvement.
Examines school culture, schools as learning communities, the change process, and research-based school improvement models, with experiential applications. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7333. Curriculum and Instructional Leadership.
Examines the relationship between curriculum, instructional improvement, and teacher development, with experiential applications. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7334. Models of Educational Assessment.
Includes assessment of student learning at the individual, classroom, school, and system level; teacher assessment; and program assessment. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7341. Dissertation Proposal Development.
In this course students approaching dissertation stage meet in a seminar designed to help them clarify their research problem and develop a preliminary proposal for the dissertation. Core and concentration courses must be completed with minimum grades of "B" in each course prior to taking ED 7341. Prerequisites: ED 7351 and ED 7352, and ED 7353 or ED 7354, all with a grade of "B" or better. Departmental approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7345. Human Resources and Instructional Management.
This course focuses on the twin areas of human resource administration and instructional improvement. Topics addressed include legal requirements for personnel management, staff supervision, appraisal, and development, curriculum planning and alignment and student assessment. Students taking the course will complete an original research project under the instructor's direction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7347. The Superintendency.
This course addressed issues critical to superintendents in Texas. These include leadership, leadership assessment, school board relations, and other governance issues, management strategies, the role of public education in a democratic society, and professional ethics. Students taking the course will complete an original research project under the instructor's direction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7349. School Finance and Business Management.
This course focuses on the financing of public schools. Students will examine the school budgeting process, sources of school revenues, principals of taxation, methods of school fund accounting, and techniques of business management. Students taking the course will complete an original research project under the instructor's direction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7351. Beginning Quantitative Research Design and Analysis.
Includes descriptive statistics; sampling techniques; statistical inference including the null hypothesis, significance tests, and confidence intervals; and causal-comparative analyses, including t-test and ANOVA. Prerequisites: Core and Concentration courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7352. Beginning Qualitative Design and Analysis.
Introduces the qualitative paradigm. Includes distinctive features, alternative qualitative traditions, purposeful sampling, common data collection methods, inductive analysis, the role of the researcher, and evaluating qualitative research. Prerequisites: Core and Concentration courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7353. Intermediate Quantitative Research Design and Analysis.
This course focuses on issues in the design and implementation of quantitative research. Topics include ANOVA, ANCOVA, and MANOVA, correlation analysis, regression analysis, nonparametric tests, and relationships between experimental designs and statistical analysis techniques. Prerequisite: ED 7351 with a grade of "B" or better, or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7354. Intermediate Qualitative Design and Analysis.
Focuses on issues in design and implementation of qualitative research. Topics include influence of alternative traditions, literature in qualitative research, access to the field and ethical issues, researcher-participant relationships, purposeful sampling strategies, inductive analysis procedures, developing theory, and reporting research. Prerequisite: ED 7352 with a minimum grade of "B", or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7357. Advanced Study in Action Research.
This course examines underlying theory, practice, skills, and issues in action research. Conducting research in the area of action research is also addressed. This course is an appropriate elective for majors in School Improvement or Adult, Professional and Community Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7359. Seminar in Quantitative Research.
This course is a small group seminar that focuses on analytic strategies specific to the doctoral student's dissertation topic. Examples include structural equation modeling, hierarchical linear modeling, log linear modeling, non-parametric analyses, factor analysis, factorial analysis of variance, and other multivariate statistical methods. Prerequisites: ED 7351 and ED 7353, all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7361. Understanding People: Professional Development.
Fundamental issues related to development of personnel. Knowledge of staff appraisal, adult learning and development, and staff development. Focus on professional development in K-12 schools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7362. Supervision of Instruction.
Concepts of curriculum and instructional models for schools will be developed. Factors such as curriculum leadership and instructional improvement are considered as part of the internal environment. An emphasis will be placed on supervision knowledge, skills, and tasks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7363. Curriculum Design.
Theory and practice in planning for curriculum needs assessment, development, implementation, and evaluation. Focus on K-12 school curricula. Students who have completed EDA 6342 may not take this course for doctoral credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7364. Team Development in Education.
This course addresses the development and use of educational teams to improve educational organizations, teaching, and learning. Because of its focus on education, it is recommended only for doctoral students preparing for careers in educational settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7371. Anthropology and Education.
This course introduces the student to the basic concepts in anthropology and education and sketches the application of these concepts. It explores the research in anthropology and education with relevance to both K-12 schools and other, more general educational settings. The course is an appropriate elective for Education Ph.D. majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7378. Problems in Education.
Individual problems or topics will be designed and completed to emphasize selected areas of study. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted
Grade Mode: Standard Letter

ED 7379. Independent Study.
Individual problems or topics will be designed and completed to emphasize selected areas of study in the Counseling, Leadership, Adult Education & School Psychology Department. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7389B. Seminar in International Educational Research: Chile.
This course develops theoretical knowledge, methodological skills, and scholarly capacity for international educational research. It focuses on research within the complex educational environment of Chile, involving seminar components held at the university and research fieldwork in Chile. International research is framed as a form of service learning. Restricted to students in the PhD in Education program.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389C. Advanced Theory in Qualitative Research.
This course features advanced study in qualitative research methods. The course studies such methods as ethnography, case study, phenomenology, narrative analysis, post-qualitative research, grounded theory, or more advanced qualitative research in general and their constitutive field techniques. Prerequisites: Introduction to Qualitative Research and Intermediate Qualitative Research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389D. Advanced Theory in Qualitative Research: Narrative Research.
The purpose of this course is to explore the possibilities of narrative research. The course will provide an overview of narrative inquiry, look at various theories and corresponding examples of research, and explore, analyze, and interpret data using narrative methods. Prerequisites: Introduction to Qualitative Research and Intermediate Qualitative Research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389E. Mexican Perspectives on Mexico - U.S. Immigration.
The course gives U.S. educators an understanding of Mexican to U.S. immigration from Mexican women's perspectives. Students will read background information and visit Mexico where through lectures, field interviews, and field visits, they will view immigration from the "other side". They will analyze and write up data when they return.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389H. Oracy and Language Expression for Educators.
This course focuses on the theory and practice of language expression. It emphasizes the relationship between audience analysis, speaker goals, organized outlines, delivery and development of personal style of presentation skills. The course offers direct experience writing, delivering, and constructively evaluating public speeches in a variety of educational contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389L. Writing for Publication.
Students will hone their writing skills. Students will work individually and in groups, getting feedback from other students and the instructor. Topics include APA style, getting started, first drafts, polishing and tightening, re-writing, submitting a manuscript, responding to feedback/reviews and more. Restricted to masters' and doctoral students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389M. Shifting Demographics in Texas: Exploring Education, Democracy and Healthy Communities.
Students will explore the shifting population in Texas through multiple frames including historical, sociological, anthropological and political. Class will canvas the literature and emerging community conditions as a vehicle for imagining possible theoretical, policy and local responses to the conditions we see in schools and local communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389O. Educational Privatization: Policies, Actors, and Effects.
This course interrogates the origins and outcomes of educational privatization. In this course, students will review the foundations of education as a public good, study frameworks and theories of privatization, trace public policies promoting privatization, delineate types of educational privatization over time, and examine the actors involved in educational privatization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389P. International Comparative Adult, Community, and Higher Education Research and Study: Italy.
This course develops theoretical knowledge, methodological skills, and scholarly capacity for educational research. It focuses on comparative adult, higher, and socio-cultural education within the complex educational environment of Italy, involving seminar components held at the university and research fieldwork and presentation in Italy. Prerequisite: Should the student not be able to participate in the international component of the course, a domestic alternative can be discussed prior to enrollment.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389Q. Schools, Communities and Race in a Democratic Society.
The class explores race through a personal lived perspective. This class will view race as a social construct. Students will interrogate the phenomena of race through multiple lens and frames, including but not limited to, an ontological perspective, its use in organizations, and its use in re-segregating society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7399A. Dissertation.
Original research and writing in Adult, Professional, and Community Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted
Grade Mode: Credit/No Credit

ED 7399B. Dissertation.
Original research and writing in School Improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted
Grade Mode: Credit/No Credit

ED 7599A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7599B. Dissertation.
Original research and writing in Education-School improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7699A. Dissertation.
The student conducts original research and writing in Adult, Professional, and Community Education, guided by the direct supervision of the dissertation chair. While conducting dissertation research and writing, students must be continuously enrolled.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7699B. Dissertation.
Students produce a dissertation under direct supervision of dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled. Prerequisites: Core, Concentration, and Methodology courses or instructor's permission.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7999A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7999B. Dissertation.
Original research and writing in Education-School Improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Educational Leadership (EDCL)

EDCL 7100. Educational Leaders' Continuing Professional Development.
This course provides state-of-the-art continuing professional development for in-service, non-degree seeking educational leaders. New topics will be addressed with each offering. The course may be repeated as necessary.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 7344. Campus Leadership.
Develops the skills needed as a practitioner in elementary and secondary schools, focusing on the role and functions of the principal as a leader. Activities lead participants to practice skill development in evaluation processes, student activity programs, staffing patterns, site-based decision-making, community relations, accounting procedures, as well as other skills. Prerequisites: All Level I core courses, and EDCL 6342, EDCL 6343, EDCL 6348, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 7348. Public School Law.
Examines constitutional provision, statutory laws, court decisions, and regulations governing public schools, with reference to state and federal relationships. Participants develop skills in researching and interpreting law, policy development and impact on public schools and communities. (Note: Students who took EDCL 6348 may not repeat this course for doctoral credit.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 7387. Field Practicum, Part I.
Students seeking Principal Certification must complete this field-based 2 semester internship focusing on actual experiences with each of the state standards. The practicum provides opportunities to plan, produce, participate in, and reflect upon campus leadership. (Note: Students who took EDCL 6387 may not repeat these courses for doctoral credit.).
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 7388. Field Practicum Part II.
Students seeking Principal Certification must complete this field-based 2-semester internship focusing on actual experiences with each of the state standards. The practicum provides opportunities to plan, produce, participate in, and reflect upon campus leadership. (Note: Students who took EDCL 6388 may not repeat these courses for doctoral credit.).
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 7389. Superintendent Practicum I.
The practicum provides prospective superintendents and district leaders with practical experiences to prepare for various roles and responsibilities of central office leadership. Students work under the joint mentorship of a practicing school superintendent and a university supervisor. Offered fall semester only. May be taken concurrently with other superintendent certification courses. Prerequisite: ED 7347 with a grade of "B" or better.
3 Credit Hours. .5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 7390. Superintendent Practicum II.
This course is a continuation of EDCL7389 Superintendent Practicum I, providing prospective district leaders with practical experiences to prepare for central office leadership. Students work under the joint mentorship of a practicing school superintendent and a university supervisor. May be taken concurrently with other superintendent courses. Prerequisite: EDCL 7389.
3 Credit Hours. .5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

Student Affairs in Higher Education (SAHE)

SAHE 7178. Independent Study.
This course focuses on individual research topics. Students choose a selected area of study and work independently on a specialized project. Repeatable with departmental approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SAHE 7278. Independent Study.
This course focuses on individual research topics. Students choose a selected area of study and work independently on a specialized project. Repeatable with departmental approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SAHE 7345. Gender and Sexuality in College.
This course examines the role of gender and sexuality in the college experience. Designed using feminist theory and a social justice framework, the course includes topics of gender identity development, intersectionality, and multiple identities, sexual orientation, gender privilege and oppression, gender disparities in achievement and persistence, femininity, and masculinity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 7378. Independent Study.
This course focuses on individual research topics. Students choose a selected area of study and work independently on a specialized project. Repeatable with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SAHE 7379B. Higher Education and Student Affairs in Qatar.
This course focuses on higher education and student affairs in the country of Qatar. Qatari colleges and American higher education branch campuses in Qatar will be examined. Topics include Qatari and Arab history and culture, student affairs services in Qatar, student development and student involvement, and intercultural competence.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SAHE 7379C. Professional Development in Student Affairs.
Professional development plays an important role in student affairs. This course will allow students to learn more about professional development, professional associations, and conferences. Additionally, students will attend a professional conference and explore the theme of the conference through readings and meetings with professional association leaders and speakers.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SAHE 7379E. Intergroup Dialogue.
This course is designed to give students both a theoretical and practical foundation in the knowledge, understanding, and skills needed to effectively facilitate intergroup dialogue. While providing foundational grounding in the theory and pedagogy of intergroup dialogue, the course directs particular attention to intergroup dynamics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SAHE 7379F. Interpersonal and Group Facilitation.
This course is designed to give students both a theoretical and practical foundation in the knowledge, understanding, and skills needed to effectively facilitate groups and group development. Communication, facilitation, peer leadership, and experiential learning are the focus of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Specialist in School Psychology (S.S.P.) Major in School Psychology

Major Program

The Specialist in School Psychology (S.S.P.) program is fully approved by the National Association of School Psychologists as a specialist-level degree that includes a 1200-clock-hour internship. The curriculum meets state and national standards for specialist-level training in school psychology. It includes didactic and experiential course work in data-based decision-making, problem solving, evidence-based interventions, and interactions among family, school, and community systems.

School psychology may not serve as a minor for other programs. Graduates of the program are eligible to apply for the following credentials: Licensed Specialist in School Psychology and/or Licensed Psychological Associate from the Texas State Board of Examiners of Psychologists; and Nationally Certified School Psychologist from the National School Psychology Certification Board.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in your last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in abnormal psychology, developmental psychology, and statistics
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- departmental application
- resume/CV including work and volunteer experience, organizations, interests and hobbies, and honors and awards
- statement of purpose (2–3 pages, double-spaced) addressing the following:*
  - professional goals
  - rationale for pursuing training in School Psychology rather than in other mental health disciplines (e.g. school counseling, clinical psychology, marriage and family counseling)
  - major strengths and weaknesses with respect to the School Psychology program and considering the application overall
  - any elements of the application that do not meet the preferred criteria (e.g., GRE score, grade point average, etc.)
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

The statement of purpose will be evaluated for content, style, and quality.

Degree Requirements

The Specialist in School Psychology (S.S.P) degree with a major in School Psychology requires 69 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
SPSY 5300	Interviewing, Counseling, and Consulting in School Psychology	3
SPSY 5376	Psychoeducational Assessment	3
SPSY 5377	Social, Emotional, and Behavioral Assessment	3
SPSY 5387	Data-Based Decision-Making in Evaluation and Intervention	3
SPSY 5379	Child and Adolescent Psychopathology: Advanced Assessment and Interventions	3
SPSY 5380	Individual and Group Counseling Techniques for School Psychology	3
SPSY 5385	Ethics, Standards, and Procedures in Professional School Psychology	3
SPSY 5386	Consultation and Professional Issues in School Psychology	3
SPSY 5388	Psychometrics for School Psychologists	3
SPSY 5389	Practicum in School Psychology (Taken three times)	9
SPSY 5394	Multicultural Issues in School Psychology	3
SPSY 5396	Biological Bases of Behavior	3
SPSY 5398	Alternative Evaluation, Intervention, and Student Outcomes	3
SPSY 6301	Professional Internship in School Psychology	3
SPSY 6302	Professional Internship in School Psychology	3
Composite Minor School Psychology		
PSY 5370	Learning, Cognition, and Motivation	3
SPED 5375	Behavior Management: School Application of Applied Behavior Analysis	3
SPSY 5355	Assessment of Culturally and Linguistically Diverse Students	3
SPSY 5382	Program Evaluation in School Psychology	3
Choose 6 hours of advisor-approved electives		6
Total Hours		69

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Counseling, Leadership, Adult Education, and School Psychology: SPSY

Courses Offered

School Psychology (SPSY)

SPSY 5178. Independent Study.
This course includes individual problems or research topics designed to place emphasis on selected areas of study. It may be repeated for additional credit at the discretion of the department chair.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPSY 5300. Interviewing, Counseling, and Consulting in School Psychology.
This course includes acquisition of skills for conducting interviews, counseling, consulting, and collaborating with children, adolescents, and adults. The emphasis is upon the development of basic communication skills that can be applied by the school psychologist in a variety of multicultural contexts, with an emphasis on family-school collaboration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5355. Assessment of Culturally and Linguistically Diverse Students.
This course will focus on the psychoeducational assessment of students from culturally and linguistically diverse backgrounds for purposes of special education eligibility and for instructional decision making. A major emphasis is placed on learning nonbiased assessment methods and procedures to assess language proficiency, intelligence, academic skills and personality-behavioral functioning. Restricted to students in the School Psychology SSP Program. Prerequisite: SPSY 5394 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5356. Psycholinguistics of Second Language Acquisition.
This course will focus on the linguistic and psycholinguistic underpinnings of the bilingual brain. It will provide a comprehensive introduction to the foundations of bilingualism, covering language processing, and language acquisition. Topics will include simultaneous and sequential bilingualism, language selection and switching, cognitive consequences of bilingualism, and the bilingual brain. Prerequisite: SPSY 5355 and SPSY 5394 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5376. Psychoeducational Assessment.
This course focuses on the administration, scoring, and interpretation of individually administered standardized tests of intelligence, special abilities, and achievement. The theoretical and statistical bases of the tests used, integrative report writing, and learning disabilities are also covered. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5377. Social, Emotional, and Behavioral Assessment.
This course covers the evaluation of personality, mental status, and behavior. This includes the theoretical bases, construction, administration, scoring, and interpretation of structured and projective personality tests with integrative report writing emphasizing the assessment of emotional disturbance and behavior disorders. Prerequisites: PSY 5376 or its equivalent, with a grade of "C" or better, graduate standing, and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5378. Problems - School Psychology.
This course includes individual problems not related to thesis or research problems. It is designed to place emphasis on selected areas of study. It may be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5379. Child and Adolescent Psychopathology: Advanced Assessment and Interventions.
This course includes the advanced investigation of personality dynamics and diagnosis of psychopathology through advanced projective techniques and structured instruments. Students practice comprehensive report writing emphasizing intervention recommendations. Prerequisites: PSY 5376 and PSY 5377, or the equivalents, all with a grade of "C" or better, graduate standing, and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5380. Individual and Group Counseling Techniques for School Psychology.
This course focuses on the acquisition and practice of techniques used in counseling interventions with children and adolescents in school settings. Individual and group counseling techniques are emphasized, along with a review and refinement of techniques for interviewing and consulting with parents. Prerequisite: COUN 5307 and COUN 5368 and SPSY 5300 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5382. Program Evaluation in School Psychology.
This course introduces the theory and techniques of program evaluation with an emphasis on K-12 educational settings. It includes program evaluation conceptualization, planning, implementation, methodological and ethical issues, and analyzing and reporting results. Emphasis is placed on experimental and quasi-experimental methods commonly used in the evaluation of educational programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5385. Ethics, Standards, and Procedures in Professional School Psychology.
This course includes the presentation of historical foundations, role and functions, and procedures used by psychologists in the school setting. Emphasis includes ethical and legal issues, professional standards, state and federal law, and organization and operation of the schools as applied to the mental health and education of exceptional learners.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5386. Consultation and Professional Issues in School Psychology.
This course presents models of consultation as they apply to the professional development and ethical position of the school psychologist. The course emphasizes the consultative role in relation to school administrators, guidance and counseling personnel, teachers, parents, students, and referral sources. Prerequisite: SPSY 5300 and SPSY 5385 both with grades of "C" or better. Corequisite: SPSY 5389 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5387. Data-Based Decision-Making in Evaluation and Intervention.
This course covers advanced techniques for assessment of special populations, including early childhood, and integration of information from a variety of sources for the development of educational interventions. A problem solving approach that focuses on linking evaluation and intervention processes will be utilized throughout the course. Prerequisite: SPSY 5376 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5388. Psychometrics for School Psychologists.
This course includes theoretical and empirical aspects of psychological measurement, scale development and testing for school psychologists. Topics include the statistical foundations of psychological measurement; stimulus and response-based measurement; social, legal, and ethical implications of testing; test and item bias; score reliability and validity; factor analysis; generalizability theory; and item response theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5389. Practicum in School Psychology.
Three practicum experiences occur in a school or agency setting with supervision by on-site and university supervisor. This course must be repeated for a total of nine credit hours. Prerequisite: SPSY 5376 and SPSY 5385 both with grades of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPSY 5391. Research Seminar.
This course provides students with knowledge of the nature and techniques of social science research. Students will develop research literacy through critical reading and examination of both quantitative and qualitative research. Additional emphasis is given to the relationship and application of science to professional practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPSY 5394. Multicultural Issues in School Psychology.
The course provides a broad overview of the psychosocial, psychoeducational and multicultural issues surrounding the delivery of psychoeducational services to students in school systems. The course will help the student develop cross-cultural sensitivity when conducting assessments, providing consultation and performing other interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5395. Basic Psychopharmacology.
This course introduces knowledge of psychopharmacology with children and adolescents, including brain-behavior relationships, psychopathology, and research methods, with application to childhood disorders for which medication is often prescribed. Emphasis is placed on informed consultation with parents, teachers, and medical professionals regarding children prescribed psychotropic medications. Prerequisite: SPSY 5300 and SPSY 5376 and SPSY 5377 and SPSY 5382 and SPSY 5385 all with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5396. Biological Bases of Behavior.
This course covers atypical disorders of brain development or function, particularly those likely to be encountered in the practice of school psychology. It includes an overview of neuropsychological and other tests with emphasis on development of a comprehensive assessment and intervention model through interpretation and critique or case studies. Prerequisite: SPSY 5376 and SPSY 5377 both with grades of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5398. Alternative Evaluation, Intervention, and Student Outcomes.
This course introduces students to the practice of curriculum based assessment in the context of a problem solving model of psychological services in the schools. Lectures, assignments, and activities develop competencies in the areas of non-traditional assessment, development of academic interventions, and the evaluation of student outcomes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5399A. Crisis Prevention, Intervention, and Response in the Schools.
This course provides core knowledge related to fostering school safety and healthy learning environments, preventing school violence, preparing for crisis events that may impact the school community, and responding to school crises. It emphasizes research that informs best practices and provides information to promote leadership on school safety teams.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPSY 6301. Professional Internship in School Psychology.
Professional internship may be a continuation of the supervised school based experience or a placement in an appropriate alternative setting with supervision by a licensed psychologist. A minimum of 600 clock hours of experience is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPSY 6302. Professional Internship in School Psychology.
Professional internship may be a continuation of the supervised school based experience or a placement in an appropriate alternative setting with supervision by a licensed psychologist. A minimum of 600 clock hours of experience is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Adult, Professional, and Community Education (Adult English as a Second Language Concentration Non-thesis Option)

Major Program

The Master of Arts (M.A.) degree with a major in Adult, Professional, and Community Education is an academically rigorous program designed for individuals serving in or aspiring to leadership positions in the diverse field of adult, professional, and community education. Adult, Professional, and Community Education, in this context, includes:

- adult basic and secondary education,
- English as a second language,
- community learning and development,
- workplace learning,
- university continuing education,
- continuing professional development, and
- organizational development.

Individuals completing this degree will be well prepared to teach, develop, evaluate, and/or administer programs in adult education or to conduct applied research regarding those programs.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- three letters of recommendation from individuals with knowledge of the student in academic and/or professional settings
- writing sample (maximum 1,000 words) discussing a major issue currently confronting adult education. Students should draw on their own experiences, detailing their position on the subject.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Adult, Professional, and Community Education concentration in Adult ESL requires 36 semester credit hours, including an internship.

Course Requirements

Code	Title	Hours
Required Courses		
ADED 5321	Adult Learning and Development	3
ADED 5325	Teaching Adults: Principles and Practices	3
ADED 5330	Planning, Evaluating, and Managing Programs in Adult Education	3
ADED 5335	Applied Research in Adult Education	3
ADED 5344	Multicultural Perspectives in Postsecondary Education and Adult Education	3
ADED 5384	Internship in Adult Education	3
Concentration		
ADED 5337	Adult Literacy	3
ADED 5338	Applied Linguistics for ESL Teachers of Adults	3
ADED 5339	Adult Literacy ESL Assesment and Evaluation	3
ADED 5340	Adult Second Language Acquisition	3
ADED 5342	Adult ESL Methods and Materials	3
Electives		
Choose 3 hours from the following:		3
ADED 5334	Family Literacy	
ADED 5343	Organizational Learning and Development	
ADED 5345	Current Issues in Adult, Continuing and Professional Education	
ADED 5346	Adult and Nontraditional Students in Higher Education	
ADED 5357	Advanced Studies in Action Research	
ADED 5364	Team Development in Education	
ADED 5378	Problems in Adult Education	
ADED 5379	Independent Study	
ADED 5382	Foundations of Adult Education	
ADED 5389A	Oracy and Language Expression for Educators	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Counseling, Leadership, Adult Education, and School Psychology: ADED (p.)

Courses Offered

Adult Education (ADED)

ADED 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5314. Community Development for Educators.
Educators in community organizations and higher education will develop a theoretical and practical understanding of the role of learning, teaching, and leading within a community development framework. They will develop an awareness of self as change agent and community builder, as well as the importance of tapping into community assets.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5321. Adult Learning and Development.
This seminar will cover a range of topics of interest of professionals working with adult learners in a variety of settings, including characteristics and motivations of adult learners; theories of adult learning and intelligence; modes of adult cognitive and psychosocial development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5322. Human Resources and Professional Development.
This course examines the primary role of human resources development in the organization to help people and organizations effectively manage change. It focuses on strategies for implementing training and organizational development efforts that positively impact the performance of the individual and the work group.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5325. Teaching Adults: Principles and Practices.
This seminar addresses methods and techniques for effective instruction of adults across a variety of settings and content. The emphasis is on concepts, theories, and principles relevant to the selection, use, and evaluation of instructional strategies. Participants will have an opportunity to practice strategies that expand their teaching repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5330. Planning, Evaluating, and Managing Programs in Adult Education.
This seminar course introduces skills and concepts needed to plan, evaluate, and manage adult education programs within various settings. This course addresses principles and procedures, utilization of assessment, goal setting, and other effective strategies for developing learning opportunities and programs responsive to human, professional, and community needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5335. Applied Research in Adult Education.
An examination of purpose, principles, and methods of current research in adult education. Quantitative, qualitative, and mixed methods research design will be investigated as used in applied research including action research, evaluation research, and needs assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5337. Adult Literacy.
The course is designed to provide students with a broad foundation about the needs of undereducated adults, including adult English language learners. Students will analyze and evaluate adult literacy legislation, instruction, research, and delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5338. Applied Linguistics for ESL Teachers of Adults.
This course is designed to provide language teachers a practical introduction to the elements of the English language as applied to the teaching of ESL in adult settings; specifically, the course covers English syntactic structure, morphology, and phonology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5339. Adult Literacy ESL Assessment and Evaluation.
This course is an introduction to assessment of adult students with emphasis on literacy and ESL populations. It is an overview of assessment constructs and social and historical movements in student literacy assessment and evaluation traditional assessment and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5340. Adult Second Language Acquisition.
This course covers topics related to contemporary adult second language acquisition practices. It also examines the complexities of adult second language acquisition and the ways in which limited English-proficient adults learn more efficiently. Class readings and projects address a variety of issues dealing with adult second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5342. Adult ESL Methods and Materials.
This course reviews traditional and contemporary adult language teaching methodologies. It focuses on the design of lessons that integrate listening, speaking, reading, writing, culture and all language skills. This course provides strategies for choosing, adopting, and adapting textbooks that integrate teaching material appropriate to different adult language learning settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5343. Organizational Learning and Development.
The course addresses a range of topics, including the effects of change, methods of organizational change, and factors influencing organizational development success. Students learn the roles of internal and external organizational development consultants, tools and processes for helping organizational members identify problems, gather and analyze information, and implement solutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5344. Multicultural Perspectives in Postsecondary Education and Adult Education.
This seminar covers a broad range of topics related to diversity within postsecondary and adult education. Course readings and projects relate to a wide variety of settings including colleges and universities, adult literacy programs, the workplace, and community-based organizations. Students taking ADED 5344 may not take ADED 7344 for doctoral level credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ADED 5345. Current Issues in Adult, Continuing and Professional Education.
A seminar style course focusing on current issues in continuing and professional education including research and professional practice. Specific emphasis will vary depending on changes in contemporary issues. Students taking ADED 5345 may not take ADED 7345 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5346. Adult and Nontraditional Students in Higher Education.
This seminar focuses on the "nontraditional student" in higher education, with emphasis on undergraduates 25 and older. Also considered are other nontraditional students facing similar challenges to participation in higher education. Topics include student characteristics, motivations, barriers, persistence, and outcomes as well as institutional and programmatic responses to this population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5357. Advanced Studies in Action Research.
This course examines underlying theory, practice, skills, and issues in action research. Students will be introduced to various educational research methods used in action research and review the components and processes of action research. They will develop a plan for an action research project focused on a specific educational problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5364. Team Development in Education.
This course addresses the development and use of educational teams to improve educational organizations, teaching, and learning. Team development instruction focuses on managing teams, identifying leadership roles. Study topics include: the importance of shared leadership, product teams, and team decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5378. Problems in Adult Education.
This course is designed to examine topical problems faced by practitioners in adult education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5382. Foundations of Adult Education.
This course will provide an overview of the field of adult education in its various forms and settings. Topics include (1) historical origins of adult education as a field of study and practice, (2) philosophical perspectives, (3) organization and delivery of adult education, and (4) emerging developments and issues in the profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5384. Internship in Adult Education.
The 150-clock hour internship is required of all Adult Education majors. The experience involves instruction and/or administration in an adult education setting and includes orientation to the roles, responsibilities, and functions of professionals in adult education. Prerequisites: ADED 5321 and ADED 5330 and ED 7324 and ADED 7325.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5389A. Oracy and Language Expression for Educators.
This course focuses on the theory and practice of public speaking in different contexts. It emphasizes interplay between audience analysis, speaker goals, organized outlines, delivery and development of personal style of presentation skills. The course offers experience writing, delivering, and constructively evaluating public speeches in a variety of contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ADED 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Adult Education 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Adult, Professional, and Community Education (Adult English as a Second Language Concentration Thesis Option)

Major Program

The Master of Arts (M.A.) degree with a major in Adult, Professional, and Community Education is an academically rigorous program designed for individuals serving in or aspiring to leadership positions in the diverse field of adult, professional, and community education. Adult, Professional, and Community Education, in this context, includes:

- adult basic and secondary education,
- English as a second language,
- community learning and development,
- workplace learning,

- university continuing education,
- continuing professional development, and
- organizational development.

Individuals completing this degree will be well prepared to teach, develop, evaluate, and/or administer programs in adult education or to conduct applied research regarding those programs.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- three letters of recommendation from individuals with knowledge of the student in academic and/or professional settings
- writing sample (maximum 1,000 words) discussing a major issue currently confronting adult education. Students should draw on their own experiences, detailing their position on the subject.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Adult, Professional, and Community Education concentration in Adult ESL requires 39 semester credit hours, including an internship and a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
ADED 5321	Adult Learning and Development	3
ADED 5325	Teaching Adults: Principles and Practices	3
ADED 5330	Planning, Evaluating, and Managing Programs in Adult Education	3
ADED 5335	Applied Research in Adult Education	3
ADED 5344	Multicultural Perspectives in Postsecondary Education and Adult Education	3
ADED 5384	Internship in Adult Education	3
Concentration		
ADED 5337	Adult Literacy	3
ADED 5338	Applied Linguistics for ESL Teachers of Adults	3
ADED 5339	Adult Literacy ESL Assesment and Evaluation	3
ADED 5340	Adult Second Language Acquisition	3
ADED 5342	Adult ESL Methods and Materials	3
Thesis		
ADED 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
ADED 5199B	Thesis	
ADED 5299B	Thesis	
ADED 5399B	Thesis	
ADED 5599B	Thesis	
ADED 5999B	Thesis	
Total Hours		39

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College.

The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Counseling, Leadership, Adult Education, and School Psychology: ADED (p.)

Courses Offered

Adult Education (ADED)

ADED 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5314. Community Development for Educators.
Educators in community organizations and higher education will develop a theoretical and practical understanding of the role of learning, teaching, and leading within a community development framework. They will develop an awareness of self as change agent and community builder, as well as the importance of tapping into community assets.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5321. Adult Learning and Development.
This seminar will cover a range of topics of interest of professionals working with adult learners in a variety of settings, including characteristics and motivations of adult learners; theories of adult learning and intelligence; modes of adult cognitive and psychosocial development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5322. Human Resources and Professional Development.
This course examines the primary role of human resources development in the organization to help people and organizations effectively manage change. It focuses on strategies for implementing training and organizational development efforts that positively impact the performance of the individual and the work group.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5325. Teaching Adults: Principles and Practices.
This seminar addresses methods and techniques for effective instruction of adults across a variety of settings and content. The emphasis is on concepts, theories, and principles relevant to the selection, use, and evaluation of instructional strategies. Participants will have an opportunity to practice strategies that expand their teaching repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5330. Planning, Evaluating, and Managing Programs in Adult Education.
This seminar course introduces skills and concepts needed to plan, evaluate, and manage adult education programs within various settings. This course addresses principles and procedures, utilization of assessment, goal setting, and other effective strategies for developing learning opportunities and programs responsive to human, professional, and community needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5335. Applied Research in Adult Education.
An examination of purpose, principles, and methods of current research in adult education. Quantitative, qualitative, and mixed methods research design will be investigated as used in applied research including action research, evaluation research, and needs assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5337. Adult Literacy.
The course is designed to provide students with a broad foundation about the needs of undereducated adults, including adult English language learners. Students will analyze and evaluate adult literacy legislation, instruction, research, and delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5338. Applied Linguistics for ESL Teachers of Adults.
This course is designed to provide language teachers a practical introduction to the elements of the English language as applied to the teaching of ESL in adult settings; specifically, the course covers English syntactic structure, morphology, and phonology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5339. Adult Literacy ESL Assessment and Evaluation.
This course is an introduction to assessment of adult students with emphasis on literacy and ESL populations. It is an overview of assessment constructs and social and historical movements in student literacy assessment and evaluation traditional assessment and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5340. Adult Second Language Acquisition.
This course covers topics related to contemporary adult second language acquisition practices. It also examines the complexities of adult second language acquisition and the ways in which limited English-proficient adults learn more efficiently. Class readings and projects address a variety of issues dealing with adult second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5342. Adult ESL Methods and Materials.
This course reviews traditional and contemporary adult language teaching methodologies. It focuses on the design of lessons that integrate listening, speaking, reading, writing, culture and all language skills. This course provides strategies for choosing, adopting, and adapting textbooks that integrate teaching material appropriate to different adult language learning settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5343. Organizational Learning and Development.
The course addresses a range of topics, including the effects of change, methods of organizational change, and factors influencing organizational development success. Students learn the roles of internal and external organizational development consultants, tools and processes for helping organizational members identify problems, gather and analyze information, and implement solutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5344. Multicultural Perspectives in Postsecondary Education and Adult Education.
This seminar covers a broad range of topics related to diversity within postsecondary and adult education. Course readings and projects relate to a wide variety of settings including colleges and universities, adult literacy programs, the workplace, and community-based organizations. Students taking ADED 5344 may not take ADED 7344 for doctoral level credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ADED 5345. Current Issues in Adult, Continuing and Professional Education.
A seminar style course focusing on current issues in continuing and professional education including research and professional practice. Specific emphasis will vary depending on changes in contemporary issues. Students taking ADED 5345 may not take ADED 7345 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5346. Adult and Nontraditional Students in Higher Education.
This seminar focuses on the "nontraditional student" in higher education, with emphasis on undergraduates 25 and older. Also considered are other nontraditional students facing similar challenges to participation in higher education. Topics include student characteristics, motivations, barriers, persistence, and outcomes as well as institutional and programmatic responses to this population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5357. Advanced Studies in Action Research.
This course examines underlying theory, practice, skills, and issues in action research. Students will be introduced to various educational research methods used in action research and review the components and processes of action research. They will develop a plan for an action research project focused on a specific educational problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5364. Team Development in Education.
This course addresses the development and use of educational teams to improve educational organizations, teaching, and learning. Team development instruction focuses on managing teams, identifying leadership roles. Study topics include: the importance of shared leadership, product teams, and team decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5378. Problems in Adult Education.
This course is designed to examine topical problems faced by practitioners in adult education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5382. Foundations of Adult Education.
This course will provide an overview of the field of adult education in its various forms and settings. Topics include (1) historical origins of adult education as a field of study and practice, (2) philosophical perspectives, (3) organization and delivery of adult education, and (4) emerging developments and issues in the profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5384. Internship in Adult Education.
The 150-clock hour internship is required of all Adult Education majors. The experience involves instruction and/or administration in an adult education setting and includes orientation to the roles, responsibilities, and functions of professionals in adult education. Prerequisites: ADED 5321 and ADED 5330 and ED 7324 and ADED 7325.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5389A. Oracy and Language Expression for Educators.
This course focuses on the theory and practice of public speaking in different contexts. It emphasizes interplay between audience analysis, speaker goals, organized outlines, delivery and development of personal style of presentation skills. The course offers experience writing, delivering, and constructively evaluating public speeches in a variety of contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ADED 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Adult Education 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Adult, Professional, and Community Education (Workplace, Community, and Continuing Education Concentration Non-thesis Option)

Major Program

The Master of Arts (M.A.) degree with a major in Adult, Professional, and Community Education is an academically rigorous program designed for individuals serving in or aspiring to leadership positions in the diverse field of Adult, Professional, and Community Education. Adult, Professional, and Community Education, in this context, includes:

- adult basic and secondary education,
- English as a second language,
- community learning and development,
- workplace learning,
- university continuing education,
- continuing professional development, and
- organizational development.

Individuals completing this degree will be well prepared to teach, develop, evaluate, and/or administer programs in adult education or to conduct applied research regarding those programs.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or
- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- three letters of recommendation from individuals with knowledge of the student in academic and/or professional settings
- writing sample (maximum 1,000 words) discussing a major issue currently confronting adult education. Students should draw on their own experiences, detailing their position on the subject.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Adult, Professional, and Community Education concentration in Workplace, Community, and Continuing Education requires 36 semester credit hours, including an internship.

Course Requirements

Code	Title	Hours
Required Courses		
ADED 5321	Adult Learning and Development	3
ADED 5325	Teaching Adults: Principles and Practices	3
ADED 5330	Planning, Evaluating, and Managing Programs in Adult Education	3
ADED 5335	Applied Research in Adult Education	3
ADED 5344	Multicultural Perspectives in Postsecondary Education and Adult Education	3
ADED 5384	Internship in Adult Education	3
Concentration		
ADED 5314	Community Development for Educators	3
ADED 5322	Human Resources and Professional Development	3
ADED 5343	Organizational Learning and Development	3
ADED 5382	Foundations of Adult Education	3
Electives		
Choose 6 hours from the following:		6
ADED 5334	Family Literacy	
ADED 5335	Applied Research in Adult Education	
ADED 5337	Adult Literacy	
ADED 5345	Current Issues in Adult, Continuing and Professional Education	

ADED 5346	Adult and Nontraditional Students in Higher Education
ADED 5357	Advanced Studies in Action Research
ADED 5364	Team Development in Education
ADED 5378	Problems in Adult Education
ADED 5379	Independent Study
ADED 5389A	Oracy and Language Expression for Educators
Total Hours	36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Counseling, Leadership, Adult Education, and School Psychology: ADED (p.)

Courses Offered

Adult Education (ADED)

ADED 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5314. Community Development for Educators.
Educators in community organizations and higher education will develop a theoretical and practical understanding of the role of learning, teaching, and leading within a community development framework. They will develop an awareness of self as change agent and community builder, as well as the importance of tapping into community assets.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5321. Adult Learning and Development.
This seminar will cover a range of topics of interest of professionals working with adult learners in a variety of settings, including characteristics and motivations of adult learners; theories of adult learning and intelligence; modes of adult cognitive and psychosocial development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5322. Human Resources and Professional Development.
This course examines the primary role of human resources development in the organization to help people and organizations effectively manage change. It focuses on strategies for implementing training and organizational development efforts that positively impact the performance of the individual and the work group.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5325. Teaching Adults: Principles and Practices.
This seminar addresses methods and techniques for effective instruction of adults across a variety of settings and content. The emphasis is on concepts, theories, and principles relevant to the selection, use, and evaluation of instructional strategies. Participants will have an opportunity to practice strategies that expand their teaching repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5330. Planning, Evaluating, and Managing Programs in Adult Education.
This seminar course introduces skills and concepts needed to plan, evaluate, and manage adult education programs within various settings. This course addresses principles and procedures, utilization of assessment, goal setting, and other effective strategies for developing learning opportunities and programs responsive to human, professional, and community needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5335. Applied Research in Adult Education.
An examination of purpose, principles, and methods of current research in adult education. Quantitative, qualitative, and mixed methods research design will be investigated as used in applied research including action research, evaluation research, and needs assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5337. Adult Literacy.
The course is designed to provide students with a broad foundation about the needs of undereducated adults, including adult English language learners. Students will analyze and evaluate adult literacy legislation, instruction, research, and delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5338. Applied Linguistics for ESL Teachers of Adults.
This course is designed to provide language teachers a practical introduction to the elements of the English language as applied to the teaching of ESL in adult settings; specifically, the course covers English syntactic structure, morphology, and phonology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5339. Adult Literacy ESL Assessment and Evaluation.
This course is an introduction to assessment of adult students with emphasis on literacy and ESL populations. It is an overview of assessment constructs and social and historical movements in student literacy assessment and evaluation traditional assessment and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5340. Adult Second Language Acquisition.
This course covers topics related to contemporary adult second language acquisition practices. It also examines the complexities of adult second language acquisition and the ways in which limited English-proficient adults learn more efficiently. Class readings and projects address a variety of issues dealing with adult second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5342. Adult ESL Methods and Materials.
This course reviews traditional and contemporary adult language teaching methodologies. It focuses on the design of lessons that integrate listening, speaking, reading, writing, culture and all language skills. This course provides strategies for choosing, adopting, and adapting textbooks that integrate teaching material appropriate to different adult language learning settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5343. Organizational Learning and Development.
The course addresses a range of topics, including the effects of change, methods of organizational change, and factors influencing organizational development success. Students learn the roles of internal and external organizational development consultants, tools and processes for helping organizational members identify problems, gather and analyze information, and implement solutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5344. Multicultural Perspectives in Postsecondary Education and Adult Education.
This seminar covers a broad range of topics related to diversity within postsecondary and adult education. Course readings and projects relate to a wide variety of settings including colleges and universities, adult literacy programs, the workplace, and community-based organizations. Students taking ADED 5344 may not take ADED 7344 for doctoral level credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ADED 5345. Current Issues in Adult, Continuing and Professional Education.
A seminar style course focusing on current issues in continuing and professional education including research and professional practice. Specific emphasis will vary depending on changes in contemporary issues. Students taking ADED 5345 may not take ADED 7345 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5346. Adult and Nontraditional Students in Higher Education.
This seminar focuses on the "nontraditional student" in higher education, with emphasis on undergraduates 25 and older. Also considered are other nontraditional students facing similar challenges to participation in higher education. Topics include student characteristics, motivations, barriers, persistence, and outcomes as well as institutional and programmatic responses to this population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5357. Advanced Studies in Action Research.
This course examines underlying theory, practice, skills, and issues in action research. Students will be introduced to various educational research methods used in action research and review the components and processes of action research. They will develop a plan for an action research project focused on a specific educational problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5364. Team Development in Education.
This course addresses the development and use of educational teams to improve educational organizations, teaching, and learning. Team development instruction focuses on managing teams, identifying leadership roles. Study topics include: the importance of shared leadership, product teams, and team decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5378. Problems in Adult Education.
This course is designed to examine topical problems faced by practitioners in adult education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5382. Foundations of Adult Education.
This course will provide an overview of the field of adult education in its various forms and settings. Topics include (1) historical origins of adult education as a field of study and practice, (2) philosophical perspectives, (3) organization and delivery of adult education, and (4) emerging developments and issues in the profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5384. Internship in Adult Education.
The 150-clock hour internship is required of all Adult Education majors. The experience involves instruction and/or administration in an adult education setting and includes orientation to the roles, responsibilities, and functions of professionals in adult education. Prerequisites: ADED 5321 and ADED 5330 and ED 7324 and ADED 7325.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5389A. Oracy and Language Expression for Educators.
This course focuses on the theory and practice of public speaking in different contexts. It emphasizes interplay between audience analysis, speaker goals, organized outlines, delivery and development of personal style of presentation skills. The course offers experience writing, delivering, and constructively evaluating public speeches in a variety of contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ADED 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Adult Education 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Adult, Professional, and Community Education (Workplace, Community, and Continuing Education Concentration Thesis Option)

Major Program

The Master of Arts (M.A.) degree with a major in Adult, Professional, and Community Education is an academically rigorous program designed for individuals serving in or aspiring to leadership positions in the diverse field of Adult, Professional, and Community Education. Adult, Professional, and Community Education, in this context, includes:

- adult basic and secondary education,
- English as a second language,
- community learning and development,
- workplace learning,
- university continuing education,
- continuing professional development, and
- organizational development.

Individuals completing this degree will be well prepared to teach, develop, evaluate, and/or administer programs in adult education or to conduct applied research regarding those programs.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- three letters of recommendation from individuals with knowledge of the student in academic and/or professional settings
- writing sample (maximum 1,000 words) discussing a major issue currently confronting adult education. Students should draw on their own experiences, detailing their position on the subject.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Adult, Professional, and Community Education concentration in Workplace, Community, and Continuing Education requires 39 semester credit hours, including an internship and a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
ADED 5321	Adult Learning and Development	3
ADED 5325	Teaching Adults: Principles and Practices	3
ADED 5330	Planning, Evaluating, and Managing Programs in Adult Education	3
ADED 5335	Applied Research in Adult Education	3
ADED 5344	Multicultural Perspectives in Postsecondary Education and Adult Education	3
ADED 5384	Internship in Adult Education	3
Concentration		
ADED 5314	Community Development for Educators	3
ADED 5322	Human Resources and Professional Development	3
ADED 5343	Organizational Learning and Development	3
ADED 5382	Foundations of Adult Education	3
Elective		
Choose 3 hours from the following:		3
ADED 5334	Family Literacy	
ADED 5337	Adult Literacy	
ADED 5345	Current Issues in Adult, Continuing and Professional Education	
ADED 5346	Adult and Nontraditional Students in Higher Education	
ADED 5357	Advanced Studies in Action Research	
ADED 5364	Team Development in Education	
ADED 5378	Problems in Adult Education	
ADED 5379	Independent Study	
ADED 5389A	Oracy and Language Expression for Educators	
Thesis		
ADED 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
ADED 5199B	Thesis	
ADED 5299B	Thesis	
ADED 5399B	Thesis	
ADED 5599B	Thesis	
ADED 5999B	Thesis	
Total Hours		39

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Counseling, Leadership, Adult Education, and School Psychology: ADED (p.)

Courses Offered

Adult Education (ADED)

ADED 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5314. Community Development for Educators.
Educators in community organizations and higher education will develop a theoretical and practical understanding of the role of learning, teaching, and leading within a community development framework. They will develop an awareness of self as change agent and community builder, as well as the importance of tapping into community assets.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5321. Adult Learning and Development.
This seminar will cover a range of topics of interest of professionals working with adult learners in a variety of settings, including characteristics and motivations of adult learners; theories of adult learning and intelligence; modes of adult cognitive and psychosocial development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5322. Human Resources and Professional Development.
This course examines the primary role of human resources development in the organization to help people and organizations effectively manage change. It focuses on strategies for implementing training and organizational development efforts that positively impact the performance of the individual and the work group.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5325. Teaching Adults: Principles and Practices.
This seminar addresses methods and techniques for effective instruction of adults across a variety of settings and content. The emphasis is on concepts, theories, and principles relevant to the selection, use, and evaluation of instructional strategies. Participants will have an opportunity to practice strategies that expand their teaching repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5330. Planning, Evaluating, and Managing Programs in Adult Education.
This seminar course introduces skills and concepts needed to plan, evaluate, and manage adult education programs within various settings. This course addresses principles and procedures, utilization of assessment, goal setting, and other effective strategies for developing learning opportunities and programs responsive to human, professional, and community needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5335. Applied Research in Adult Education.
An examination of purpose, principles, and methods of current research in adult education. Quantitative, qualitative, and mixed methods research design will be investigated as used in applied research including action research, evaluation research, and needs assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5337. Adult Literacy.
The course is designed to provide students with a broad foundation about the needs of undereducated adults, including adult English language learners. Students will analyze and evaluate adult literacy legislation, instruction, research, and delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5338. Applied Linguistics for ESL Teachers of Adults.
This course is designed to provide language teachers a practical introduction to the elements of the English language as applied to the teaching of ESL in adult settings; specifically, the course covers English syntactic structure, morphology, and phonology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5339. Adult Literacy ESL Assessment and Evaluation.
This course is an introduction to assessment of adult students with emphasis on literacy and ESL populations. It is an overview of assessment constructs and social and historical movements in student literacy assessment and evaluation traditional assessment and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5340. Adult Second Language Acquisition.
This course covers topics related to contemporary adult second language acquisition practices. It also examines the complexities of adult second language acquisition and the ways in which limited English-proficient adults learn more efficiently. Class readings and projects address a variety of issues dealing with adult second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5342. Adult ESL Methods and Materials.
This course reviews traditional and contemporary adult language teaching methodologies. It focuses on the design of lessons that integrate listening, speaking, reading, writing, culture and all language skills. This course provides strategies for choosing, adopting, and adapting textbooks that integrate teaching material appropriate to different adult language learning settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5343. Organizational Learning and Development.
The course addresses a range of topics, including the effects of change, methods of organizational change, and factors influencing organizational development success. Students learn the roles of internal and external organizational development consultants, tools and processes for helping organizational members identify problems, gather and analyze information, and implement solutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5344. Multicultural Perspectives in Postsecondary Education and Adult Education.
This seminar covers a broad range of topics related to diversity within postsecondary and adult education. Course readings and projects relate to a wide variety of settings including colleges and universities, adult literacy programs, the workplace, and community-based organizations. Students taking ADED 5344 may not take ADED 7344 for doctoral level credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ADED 5345. Current Issues in Adult, Continuing and Professional Education.
A seminar style course focusing on current issues in continuing and professional education including research and professional practice. Specific emphasis will vary depending on changes in contemporary issues. Students taking ADED 5345 may not take ADED 7345 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5346. Adult and Nontraditional Students in Higher Education.
This seminar focuses on the "nontraditional student" in higher education, with emphasis on undergraduates 25 and older. Also considered are other nontraditional students facing similar challenges to participation in higher education. Topics include student characteristics, motivations, barriers, persistence, and outcomes as well as institutional and programmatic responses to this population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5357. Advanced Studies in Action Research.
This course examines underlying theory, practice, skills, and issues in action research. Students will be introduced to various educational research methods used in action research and review the components and processes of action research. They will develop a plan for an action research project focused on a specific educational problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5364. Team Development in Education.
This course addresses the development and use of educational teams to improve educational organizations, teaching, and learning. Team development instruction focuses on managing teams, identifying leadership roles. Study topics include: the importance of shared leadership, product teams, and team decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5378. Problems in Adult Education.
This course is designed to examine topical problems faced by practitioners in adult education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5382. Foundations of Adult Education.
This course will provide an overview of the field of adult education in its various forms and settings. Topics include (1) historical origins of adult education as a field of study and practice, (2) philosophical perspectives, (3) organization and delivery of adult education, and (4) emerging developments and issues in the profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5384. Internship in Adult Education.
The 150-clock hour internship is required of all Adult Education majors. The experience involves instruction and/or administration in an adult education setting and includes orientation to the roles, responsibilities, and functions of professionals in adult education. Prerequisites: ADED 5321 and ADED 5330 and ED 7324 and ADED 7325.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5389A. Oracy and Language Expression for Educators.
This course focuses on the theory and practice of public speaking in different contexts. It emphasizes interplay between audience analysis, speaker goals, organized outlines, delivery and development of personal style of presentation skills. The course offers experience writing, delivering, and constructively evaluating public speeches in a variety of contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ADED 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Adult Education 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Educational Leadership (Instructional Leadership Concentration)

Program Overview

The purpose of the Educational Leadership program is to prepare leaders for the schools of Texas. The program offers graduate work leading to the master's degree in educational leadership and certification as a principal (for students who already hold a master's degree) or superintendent (for students with a master's degree and a principal certificate). If you have questions about admission to the educational leadership program you may contact the coordinator of the educational leadership program.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials

- baccalaureate degree from a regionally accredited university
- official transcripts required from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- copy of official teaching certificate documenting initial teaching certification
- copy of official teaching record documenting at least one year of teaching experience

TOEFL or IELTS scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Educational Leadership concentration in Instructional Leadership requires 36 semester credit hours. Students are required to maintain a 3.25 cumulative grade-point average (GPA) for all courses listed as Course Requirements.

Course Requirements

Code	Title	Hours
Required Courses		
EDCL 5339	Understanding Self: Developing a Personal Vision of Leadership	3
EDCL 5345	Understanding People: Professional Development	3
EDCL 5348	Supervision of Instruction	3
EDCL 6342	Curriculum Design	3
EDCL 6343	Continuous School Improvement	3
EDCL 6351	Instructional Models	3
EDCL 6352	School as Center of Inquiry	3
EDCL 6358	Integrative Seminar	3
Cognate		
Choose 12 hours of advisor-approved courses		12
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Counseling, Leadership, Adult Education, and School Psychology: EDCL

Courses Offered

Educational Leadership (EDCL)

EDCL 5100. Educational Leaders' Continuing Professional Development.
This course provides state-of-the-art continuing professional development for in-service, non-degree seeking educational leaders. New topics will be addressed with each offering. The course may be repeated once if necessary.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5339. Understanding Self: Developing a Personal Vision of Leadership.
Successful leadership in organizational settings requires an understanding of human behavior. This understanding begins with the knowledge of self and leads to the understanding of others. The focus of this course is on the individual student. The intent is to enhance the student's self-awareness of values, beliefs, and attitudes related to successful school leadership.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5340. Shaping Organizations and Using Inquiry: Management and Leadership.
This course includes an understanding of the basic structural components of educational organizations and the theoretical frameworks that describe organizational behavior. Students will focus on the process of action research, planning, decision-making, change in organizations, and leadership. Prerequisites: EDCL 5339, EDCL 5345, EDCL 5347, and EDCL 5348.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5345. Understanding People: Professional Development.
This course includes fundamental issues related to the development of personnel, entry-level knowledge of staff appraisal, adult learning and development, and staff development. Prerequisite: EDCL 5339. Corequisite: EDCL 5339.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5347. Understanding Environments: Social, Political, Economic, Legal, and Technological.
Concepts of the internal and external environment of educational organizations are explored. Entry level concepts are presented in areas of school environments. Prerequisite: EDCL 5339. Corequisite: EDCL 5339.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5348. Supervision of Instruction.
Concepts of curriculum and instructional leadership models for schools will be developed. Factors such as curriculum leadership and instructional improvement are considered part of the internal environment of schools. Prerequisite: EDCL 5339 and EDCL 5345.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5349. Practicum in Instructional Leadership.
Students obtaining an MA in educational leadership with a concentration in instructional leadership apply the knowledge and skills they have developed in their program of study in a school setting, with mentoring by a school administrator and under the supervision of a faculty member in the educational leadership program. Prerequisite: EDCL 5339, EDCL 5345, EDCL 5348, EDCL 6342, EDCL 6352, and EDCL 6358.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5388. Problems in Administration.
Individual problems not related to thesis or research problems. Designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6342. Curriculum Design.
Theory and practice in planning for curriculum needs assessment, development, implementation, and evaluation. Prerequisite: EDCL 5339, EDCL 5345, EDCL 5347, EDCL 5348, and EDCL 6352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6343. Continuous School Improvement.
Applies the concept and principles of Total Quality Improvement to schools and classrooms and integrates Total Quality Improvement with other school improvement models. Prerequisite: All Level I core courses or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6344. Campus Leadership.
This course develops campus leadership skills for elementary and secondary schools, focusing on the role and functions of the principal as a leader. Students practice skill development in evaluation processes, student activity programs, staffing patterns, site-based decision-making, community relations, and accounting procedures. Prerequisites: EDCL 5339, EDCL 5345, and EDCL 5348. Corequisite: EDCL 5347.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6345. Human Resources and Instructional Management.
This course applies principles of leadership to the twin areas of human resource administration and instructional improvement. Topics addressed include legal requirements for personnel management including staff supervision, staff appraisal, staff development, curriculum planning and alignment, and student assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6347. The Superintendency.
This course addresses issues critical to superintendents in Texas. These include leadership and leadership development, school board-superintendent relations, management strategies, the role of public education in a democratic society, and professional ethics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6348. School Law.
This course examines the constitutional provisions, statutory laws, court decisions, and regulations governing public schools with special reference to state and federal relationships. Prerequisite: EDCL 5339, EDCL 5345, EDCL 5347, EDCL 5348, EDCL 6342, EDCL 6344, EDCL 6358, and EDCL 6387.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6349. School Finance and Business Management.
This course applies principles of leadership to the financing of public schools. Students will develop skills in projecting district revenues, budgeting development and analysis, sources of school revenue, principles of taxation, financial accountability, and techniques relevant to the effective leadership of school business matters.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6351. Instructional Models.
Characteristics of effective teaching are identified and correlated with learning theories and their corresponding instructional models. Matching instruction to the needs of learners and integrative approaches are emphasized. Prerequisites: All Level I and II courses or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6352. School as Center of Inquiry.
Prepares the educational leader to be an intelligent consumer of research and to assume a leadership role in school-wide action research. This course is a prerequisite for EDCL 6358. Prerequisites: EDCL 5339 and EDCL 5345. Corequisite: EDCL 5345.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6358. Integrative Seminar.
This course integrates key theories, concepts, and principles learned during the student's course of study. The student will complete a paper including an action research plan designed to solve an educational problem present within a specific educational setting. The master's student will defend the plan during the oral examination. Prerequisites: EDCL 5339, EDCL 5345, EDCL 5347, EDCL 5348, and EDCL 6352. Corequisite: EDCL 5348.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6387. Principal Field-Based Practicum I.
The practicum provides students the opportunity to develop leadership skills needed by principals of elementary and secondary schools. Students will develop a practicum proposal in cooperation with their site-mentor and university supervisor. The course focus is on the development of administrative skills in a real world setting. Prerequisites: EDCL 5339, EDCL 5348, EDCL 6344, and EDCL 6358. Corequisites: EDCL 6344 and EDCL 6358.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 6388. Principal Field-Based Practicum II.
This course is a continuation of EDCL 6387 and allows students to continue projects and activities begun in the fall semester and to work further with their on-site mentor and university supervisor. This course is offered in the spring semester only. Prerequisites: EDCL 5339, EDCL 6358, and EDCL 6387.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 6389. Superintendent's Practicum I.
The practicum is intended to give prospective school superintendents the opportunity to hone their leadership skills under the guidance an experienced and successful school leader. Offered fall semester only and may be taken concurrently with other superintendent certification courses.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 6390. Superintendent's Practicum II.
A continuation of EDCL 6389, this course allows students to carry through projects and activities begun in the fall semester and to work further with their on-site mentor and university supervisor. Offered spring semester only. May be taken concurrently with other superintendent certification courses. Prerequisite: EDCL 6389.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Professional Counseling (Clinical Mental Health Counseling Concentration Non-thesis Option)

Program Overview

The Master of Arts (M.A.) with a major in Professional Counseling consists of four concentrations:

- clinical mental health counseling,
- marital, couple and family counseling, and
- school counseling
- school counselor - Texas Certificate

These four areas of concentration in the professional counseling major have required course sequences that build skills through three levels, from basic to advanced, via didactic and experiential activities. The curriculum includes core foundations in theories, interventions, assessment, and research. In addition, core tenets that are emphasized throughout the program include diversity, ethics, professional development, and self-awareness. There is a strong emphasis on experiential learning integrated with the application of didactic, research-based knowledge. Internship is required as the capstone experience. The concentration in clinical mental health counseling; marriage, couple, and family counseling; and school counseling are nationally accredited by the Council for Accreditation of Counseling and Related Programs (CACREP).

The concentration of School Counselor - Texas Certificate, has similar courses and sequencing as the areas above. This concentration is focused on developing strong clinical skills and meeting the requirements of the Texas State Board of Educator Certification.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- informed consent form
- resume/CV detailing unique competencies that contribute to an aptitude for graduate study; personal experiences, such as volunteer work, that have aided in preparations for a career in counseling; additional language skills; technological competence and computer literacy
- statement of purpose (maximum 750 words, typed and double-spaced) addressing the following:*
  - professional goals and rational for pursuing education and training in professional counseling as opposed to another mental health discipline such as psychology, social work, or counseling psychology
  - rationale for choosing the clinical mental health counseling concentration
  - major strengths and weaknesses with respect to being admitted into the program
  - perspective on diversity including
    - personal contributions to and benefits from the richness of the professional counseling program
    - ways to increase inclusion of diversity in the counseling profession
- three forms of recommendation (not general reference letters)

TOEFL or IELTS scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

The statement of purpose will be evaluated for content, style, and quality. While the applicant may seek consultation and editing suggestions, this statement must be representative of the student's current level and style of writing and representative of what could be expected if admitted into the program.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Professional Counseling concentration in clinical mental health counseling requires 60 semester credit hours. This concentration meets academic requirements for the Texas Licensed Professional Counselor (LPC) credential. A grade of "B" or better must be earned in all course work counting toward a professional counseling degree.

Course Requirements

Code	Title	Hours
Required Courses		
COUN 5305	Assessment in Counseling	3
COUN 5307	Theories of Counseling and Personality	3
COUN 5316	Counseling Diverse Populations	3
COUN 5350	Advanced Counselor Ethics	3
COUN 5354	Basic Counseling Skills and Abnormal Behavior	3
COUN 5355	Career Counseling	3
COUN 5358	Dynamics & Processes in Group Counseling	3
COUN 5359	Psychopathology in Clinical Mental Health Counseling	3
COUN 5368	Developmental Issues in Counseling Children, Adolescents, and Adults	3
COUN 5369	Child and Adolescent Counseling Methods	3
COUN 5391	Research Methods	3
Concentration		
COUN 5301	Professional Counseling Orientation	3
COUN 5344	Substance Abuse and Counseling: An Introduction	3
COUN 5366	Intermediate Methods in Adult Counseling	3
or COUN 5370	Intermediate Methods in Counseling Adolescents	
or COUN 5373	Intermediate Methods in Play Therapy	
COUN 5367	Marital and Family Counseling: Current Theories	3
COUN 5389	Site-Based Internship (Taken twice)	6
COUN 5689	Clinical Practicum	6
Electives		
Choose 3 hours of advisor-approved electives		3
Total Hours		60

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Counseling, Leadership, Adult Education, and School Psychology: COUN

Courses Offered

Counseling (COUN)

COUN 5178. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated twice for additional credit at the discretion of the department chair.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5301. Professional Counseling Orientation.
This course is presented as a basis for future counselors to understand community counseling agencies, standards of preparation, and the role identity of persons providing direct counseling treatment interventions. This course includes information on the licensure process, professional organizations, ethical and legal aspects of practice, advocacy processes, and theoretical/applied information.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5305. Assessment in Counseling.
Problems and principles of administration, scoring and interpreting group and individually administered tests; utilization of test data for diagnostic, placement, predictive, and evaluative purposes; elementary statistical procedures; laboratory activities in test administration, scoring, and interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5307. Theories of Counseling and Personality.
This course surveys systematically derived theories of counseling and personality from their origins in social discourse, philosophy, and psychology to the present time. Each theorist is presented biographically and the theory considered with regard to its clinical, cultural, and ethical relevance and application to diverse populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5316. Counseling Diverse Populations.
This seminar is designed to sensitize students to the roles societal power disparities, therapist's racial identity and awareness, and client racial/cultural identity play in counseling persons of diverse backgrounds. The dynamics of counseling clients who are African-American, Asian-American, female, gay/lesbian, Latino/a, Native-American, and persons with disabilities, will be examined. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

COUN 5328. Professional Orientation in School Counseling: Leadership, Advocacy, and Accountability.
Orientation to identity and role of professional school counselors, and introduction to the study of comprehensive developmental guidance programs. Course reflects the Texas and ASCA Models with related standards. Topics include: program planning, implementation, and evaluation; use of data and accountability; leadership role; and ethical and legal practices in schools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5330. Assessment Applications in Child & Adolescent Counseling.
This course emphasizes a hands-on approach to the assessments most frequently used by school counselors and child and adolescent counselors. Topics include assessment measures, statistical and research concepts, program evaluation and interpretation. Implications for counseling are also addressed. Prerequisites: COUN 5328 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5338. Advanced Issues in School Counseling: Counseling, Consultation, and Coordination of Services.
Course covers advanced topics in counseling children and adolescents in schools. Emphasis will be placed on developmentally appropriate preventative and responsive counseling services. Consultation and collaboration with parents, school personnel, and community partners, as well as contextual issues in school counseling, will be addressed. Prerequisites: COUN 5316 and COUN 5328 and COUN 5368 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5340. Loss and Grief Recovery Counseling.
An in-depth study of loss and its aftermath, grief. Emphasis is given to the counseling literature, loss and grief in the arts, personal loss experience, and particular counseling interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5344. Substance Abuse and Counseling: An Introduction.
This course focuses on chemical dependency across counseling settings, including school, agency, and private practice. This course includes theoretical and applied information on causative factors, assessment, and treatment strategies across a variety of settings and populations via didactic and experimental coursework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5345. Psychodrama Methods.
The course is both didactic and experimental. It provides a history of therapeutic drama beginning with the Greek theater of Dionysus. The work of J.L. Moreno is presented and the basic tenets of the theory studied. Students then engage in creating, producing, and acting out actual psychodramatic productions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5346. Filial Therapy.
Theoretical and practical application of the filial model will be addressed as well as techniques in training parents in the overall principles and methodology of child-centered play therapy. Corequisite: COUN 5389 or COUN 5689 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5350. Advanced Counselor Ethics.
This course focuses on ethical standards of professional counseling organizations and credentialing bodies, and applications of ethical and legal considerations in professional counseling settings. Emphasis is placed on national and current state board rules, records management, strategies for personal and professional self-evaluation, implications for practice, and client and professional advocacy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5351. Current Issues in Marriage, Couple and Family Therapy.
This course provides students with information regarding special issues in marital, couple and family counseling, including: grief and loss; domestic violence; substance abuse in the family; lesbian, gay, bisexual, and transgender issues; divorce; and re-parenting. Prerequisite: COUN 5316 with a grade of "B" or better and COUN 5367 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5354. Basic Counseling Skills and Abnormal Behavior.
This course is designed to introduce the student to basic counseling skills via role-play and videotape. The course also provides a general model for assessing abnormal behavior of clients and effective skills to elicit identifying behavior. Prerequisites: COUN 5307 and COUN 5350 and [COUN 5301 or COUN 5328] all with grades of "C" or better. Corequisite: COUN 5328.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5355. Career Counseling.
Career choice and development are considered as critical aspects of persons in material cultures where occupation is a major component of one's identity. Career concerns often addressed in counseling are presented and discussed along with the area of vocational guidance, occupational information, and preference inventories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5358. Dynamics & Processes in Group Counseling.
Students will develop knowledge and skills in the basic principles of the dynamics that are characteristic of therapeutic groups. This course is an academic and clinical experience requiring highly active student participation in the form of honest, direct, and open communication combined with authentic self-exploration within the group setting. Corequisite: COUN 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5359. Psychopathology in Clinical Mental Health Counseling.
This course explores the principles of dysfunction in human behavior and systemic organization. This course includes diagnostic, preventive, and remedial methods and interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5360. Intermediate Methods in Marital, Couple and Family Counseling.
Marital, couple, and family theory and techniques are discussed, selected, applied, and refined through lecture and supervised clinical practice. Specific skills include joining, diagnosis, goal formulation, treatment planning, termination, referral, and record keeping. Graded on a credit (CR), no credit (F) basis. Prerequisites: COUN 5316 and COUN 5359 and COUN 5367 and COUN 5369 all with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5362. Practicum in Professional Supervision: Theories and Applications.
Provides experience in supervising practicum or intern students and integrating the theoretical foundations and current issues of professional supervision. Emphasis includes ethical, multicultural, gender, age, and lifestyle concerns in supervisory relationships, and academic requirements for supervisory status for Texas Licensed Professional Counselor and Licensed Specialist in School Psychology credentials. Course can be repeated once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5366. Intermediate Methods in Adult Counseling.
Counseling theories and techniques are discussed, selected, applied and refined through lecture and supervised practice. Specific skills include initiating the helping relationship process, diagnosis, goal formulation, treatment planning, termination, referral, and record keeping. Prerequisites: COUN 5316 and COUN 5354 and COUN 5359 all with grades of "B" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5367. Marital and Family Counseling: Current Theories.
This course is designed to examine the principles of communication and the goals of marital, couple and family counseling. Selected theories, approaches and techniques used in marital, couple and family counseling will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5368. Developmental Issues in Counseling Children, Adolescents, and Adults.
Emphasis will be on understanding the interactions between the developmental needs of each of these age groups and counseling techniques and procedures used to deliver mental health services to each of these groups.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5369. Child and Adolescent Counseling Methods.
Course focus is an overview of counseling interventions with children and adolescents in agency, school, and private practice. Group, individual, and systems techniques will be covered. Assessment of child psychopathology and techniques for consulting with parents will be included. Prerequisites: COUN 5354 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5370. Intermediate Methods in Counseling Adolescents.
This course will provide an overview of the physical, social, psychological, and behavioral characteristics of the adolescent. This course has a supervised practice experience. Emphasis will be placed on counseling interventions utilizing current research. Prerequisites: COUN 5316 and COUN 5359 and COUN 5369 all with grades of "B" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5372. Assessment and Treatment in Marriage and Family Counseling.
This course addresses the assessment of individual, couple, and family functioning and the planning and implementation of marital, couple and family treatment methods. Prerequisite: COUN 5367 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5373. Intermediate Methods in Play Therapy.
This course explores the philosophical basis for play therapy, the history of play therapy, theoretical applications, techniques, stages, ethical issues, and application to a variety of populations and diagnostic categories. Prerequisite: COUN 5316, COUN 5354, COUN 5359 and COUN 5369.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5375. Intermediate Methods in School Counseling.
This course emphasizes the skills needed to work with school aged children (Pre-K - 12). Students will learn counseling interventions specific to school aged children, and they will work with one student over the course of the semester. In addition, students will lead one group outside of the class in order to receive full credit for the course. Prerequisites: COUN 5328 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5378. Problems in Counseling.
Individual problems not related to thesis. Designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5380. Introduction to Animal-Assisted Counseling.
Animal-assisted counseling (AAC) is a goal-directed process in which a trained therapy animal works in partnership with a counselor to help clients resolve psychosocial challenges and achieve growth. This course will provide an introduction to the AAC field, the human-animal bond, evidence-based research in AAC, and positive training approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5381. Sandtray Therapy Methods.
This course provides students with the philosophical basis for sandtray therapy as a therapeutic intervention for children and families, including a review of its history, applications, techniques, stages, and ethical issues. Didactic and experiential methods are used. Prerequisite: COUN 5369 with a grade of "C" or better. Co-requisite: COUN 5389 or COUN 5689 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5389. Site-Based Internship.
An on-site practicum-internship occurring in a school or agency setting with supervision by on-site and university supervisors. May be repeated based on the recommendation of the counseling faculty. Prerequisites: COUN 5689 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

COUN 5391. Research Methods.
This course provides an understanding of research methods and design, statistical analysis, needs assessment, and program evaluation relevant to the field of professional counseling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5394. Counseling Women.
This elective course involves student exploration of gender in historical, social, and global contexts with emphasis on counseling approaches and interventions specific to the concerns of women and girls. Topics include gender development, gender socialization, sexuality, career and family, violence against women, body image concerns, and overall women's mental health.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in COUN 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5689. Clinical Practicum.
This practicum involves providing supervised counseling services to clients in university-affiliated counseling clinics, and a staffing seminar. It may be taken up to three times (18 credit hours) based on the recommendation of the counseling faculty. Prerequisites: Instructor approval.
6 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

COUN 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Professional Counseling (Clinical Mental Health Counseling Concentration Thesis Option)

Program Overview

The Master of Arts (M.A.) with a major in Professional Counseling consists of four concentrations:

- clinical mental health counseling,
- marital, couple and family counseling, and
- school counseling
- school counselor - Texas Certificate

These four areas of concentration in the professional counseling major have required course sequences that build skills through three levels, from basic to advanced, via didactic and experiential activities. The curriculum includes core foundations in theories, interventions, assessment, and research. In addition, core tenets that are emphasized throughout the program include diversity, ethics, professional development, and self-awareness. There is a strong emphasis on experiential learning integrated with the application of didactic, research-based knowledge. Internship is required as the capstone experience. The concentration in clinical mental health counseling; marriage, couple, and family counseling; and school counseling are nationally accredited by the Council for Accreditation of Counseling and Related Programs (CACREP).

The concentration of School Counselor - Texas Certificate, has similar courses and sequencing as the areas above. This concentration is focused on developing strong clinical skills and meeting the requirements of the Texas State Board of Educator Certification.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- informed consent form
- resume/CV detailing unique competencies that contribute to an aptitude for graduate study; personal experiences, such as volunteer work, that have aided in preparations for a career in counseling; additional language skills; technological competence and computer literacy
- statement of purpose (maximum 750 words, typed and double-spaced) addressing the following:*
  - professional goals and rational for pursuing education and training in professional counseling as opposed to another mental health discipline such as psychology, social work, or counseling psychology
  - rationale for choosing the clinical mental health counseling concentration
  - major strengths and weaknesses with respect to being admitted into the program
  - perspective on diversity including
    - personal contributions to and benefits from the richness of the professional counseling program
    - ways to increase inclusion of diversity in the counseling profession
- three forms of recommendation (not general reference letters)

TOEFL or IELTS scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

The statement of purpose will be evaluated for content, style, and quality. While the applicant may seek consultation and editing suggestions, this statement must be representative of the student's current level and style of writing and representative of what could be expected if admitted into the program.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Professional Counseling concentration in clinical mental health counseling requires 66 semester credit hours, including a thesis. This concentration meets academic requirements for the Texas Licensed Professional Counselor (LPC) credential. A grade of "B" or better must be earned in all course work counting toward a professional counseling degree

Course Requirements

Code	Title	Hours
Required Courses		
COUN 5305	Assessment in Counseling	3
COUN 5307	Theories of Counseling and Personality	3
COUN 5316	Counseling Diverse Populations	3
COUN 5350	Advanced Counselor Ethics	3
COUN 5354	Basic Counseling Skills and Abnormal Behavior	3
COUN 5355	Career Counseling	3
COUN 5358	Dynamics & Processes in Group Counseling	3
COUN 5359	Psychopathology in Clinical Mental Health Counseling	3
COUN 5368	Developmental Issues in Counseling Children, Adolescents, and Adults	3
COUN 5369	Child and Adolescent Counseling Methods	3
COUN 5391	Research Methods	3
Concentration		
COUN 5301	Professional Counseling Orientation	3
COUN 5344	Substance Abuse and Counseling: An Introduction	3
COUN 5366	Intermediate Methods in Adult Counseling	3
or COUN 5370	Intermediate Methods in Counseling Adolescents	
or COUN 5373	Intermediate Methods in Play Therapy	
COUN 5367	Marital and Family Counseling: Current Theories	3
COUN 5389	Site-Based Internship (Taken twice)	6
COUN 5689	Clinical Practicum	6
Electives		
Choose 3 hours of advisor-approved electives		3
Thesis		
COUN 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
COUN 5199B	Thesis	

COUN 5299B	Thesis	
COUN 5399B	Thesis	
COUN 5599B	Thesis	
COUN 5999B	Thesis	
Total Hours		66

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Counseling, Leadership, Adult Education, and School Psychology: COUN

Courses Offered

Counseling (COUN)

COUN 5178. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated twice for additional credit at the discretion of the department chair.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5301. Professional Counseling Orientation.
This course is presented as a basis for future counselors to understand community counseling agencies, standards of preparation, and the role identity of persons providing direct counseling treatment interventions. This course includes information on the licensure process, professional organizations, ethical and legal aspects of practice, advocacy processes, and theoretical/applied information.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5305. Assessment in Counseling.
Problems and principles of administration, scoring and interpreting group and individually administered tests; utilization of test data for diagnostic, placement, predictive, and evaluative purposes; elementary statistical procedures; laboratory activities in test administration, scoring, and interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5307. Theories of Counseling and Personality.
This course surveys systematically derived theories of counseling and personality from their origins in social discourse, philosophy, and psychology to the present time. Each theorist is presented biographically and the theory considered with regard to its clinical, cultural, and ethical relevance and application to diverse populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5316. Counseling Diverse Populations.
This seminar is designed to sensitize students to the roles societal power disparities, therapist's racial identity and awareness, and client racial/cultural identity play in counseling persons of diverse backgrounds. The dynamics of counseling clients who are African-American, Asian-American, female, gay/lesbian, Latino/a, Native-American, and persons with disabilities, will be examined. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

COUN 5328. Professional Orientation in School Counseling: Leadership, Advocacy, and Accountability.
Orientation to identity and role of professional school counselors, and introduction to the study of comprehensive developmental guidance programs. Course reflects the Texas and ASCA Models with related standards. Topics include: program planning, implementation, and evaluation; use of data and accountability; leadership role; and ethical and legal practices in schools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5330. Assessment Applications in Child & Adolescent Counseling.
This course emphasizes a hands-on approach to the assessments most frequently used by school counselors and child and adolescent counselors. Topics include assessment measures, statistical and research concepts, program evaluation and interpretation. Implications for counseling are also addressed. Prerequisites: COUN 5328 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5338. Advanced Issues in School Counseling: Counseling, Consultation, and Coordination of Services.
Course covers advanced topics in counseling children and adolescents in schools. Emphasis will be placed on developmentally appropriate preventative and responsive counseling services. Consultation and collaboration with parents, school personnel, and community partners, as well as contextual issues in school counseling, will be addressed. Prerequisites: COUN 5316 and COUN 5328 and COUN 5368 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5340. Loss and Grief Recovery Counseling.
An in-depth study of loss and its aftermath, grief. Emphasis is given to the counseling literature, loss and grief in the arts, personal loss experience, and particular counseling interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5344. Substance Abuse and Counseling: An Introduction.
This course focuses on chemical dependency across counseling settings, including school, agency, and private practice. This course includes theoretical and applied information on causative factors, assessment, and treatment strategies across a variety of settings and populations via didactic and experimental coursework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5345. Psychodrama Methods.
The course is both didactic and experimental. It provides a history of therapeutic drama beginning with the Greek theater of Dionysus. The work of J.L. Moreno is presented and the basic tenets of the theory studied. Students then engage in creating, producing, and acting out actual psychodramatic productions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5346. Filial Therapy.
Theoretical and practical application of the filial model will be addressed as well as techniques in training parents in the overall principles and methodology of child-centered play therapy. Corequisite: COUN 5389 or COUN 5689 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5350. Advanced Counselor Ethics.
This course focuses on ethical standards of professional counseling organizations and credentialing bodies, and applications of ethical and legal considerations in professional counseling settings. Emphasis is placed on national and current state board rules, records management, strategies for personal and professional self-evaluation, implications for practice, and client and professional advocacy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5351. Current Issues in Marriage, Couple and Family Therapy.
This course provides students with information regarding special issues in marital, couple and family counseling, including: grief and loss; domestic violence; substance abuse in the family; lesbian, gay, bisexual, and transgender issues; divorce; and re-parenting. Prerequisite: COUN 5316 with a grade of "B" or better and COUN 5367 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5354. Basic Counseling Skills and Abnormal Behavior.
This course is designed to introduce the student to basic counseling skills via role-play and videotape. The course also provides a general model for assessing abnormal behavior of clients and effective skills to elicit identifying behavior. Prerequisites: COUN 5307 and COUN 5350 and [COUN 5301 or COUN 5328] all with grades of "C" or better. Corequisite: COUN 5328.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5355. Career Counseling.
Career choice and development are considered as critical aspects of persons in material cultures where occupation is a major component of one's identity. Career concerns often addressed in counseling are presented and discussed along with the area of vocational guidance, occupational information, and preference inventories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5358. Dynamics & Processes in Group Counseling.
Students will develop knowledge and skills in the basic principles of the dynamics that are characteristic of therapeutic groups. This course is an academic and clinical experience requiring highly active student participation in the form of honest, direct, and open communication combined with authentic self-exploration within the group setting. Corequisite: COUN 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5359. Psychopathology in Clinical Mental Health Counseling.
This course explores the principles of dysfunction in human behavior and systemic organization. This course includes diagnostic, preventive, and remedial methods and interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5360. Intermediate Methods in Marital, Couple and Family Counseling.
Marital, couple, and family theory and techniques are discussed, selected, applied, and refined through lecture and supervised clinical practice. Specific skills include joining, diagnosis, goal formulation, treatment planning, termination, referral, and record keeping. Graded on a credit (CR), no credit (F) basis. Prerequisites: COUN 5316 and COUN 5359 and COUN 5367 and COUN 5369 all with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5362. Practicum in Professional Supervision: Theories and Applications.
Provides experience in supervising practicum or intern students and integrating the theoretical foundations and current issues of professional supervision. Emphasis includes ethical, multicultural, gender, age, and lifestyle concerns in supervisory relationships, and academic requirements for supervisory status for Texas Licensed Professional Counselor and Licensed Specialist in School Psychology credentials. Course can be repeated once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5366. Intermediate Methods in Adult Counseling.
Counseling theories and techniques are discussed, selected, applied and refined through lecture and supervised practice. Specific skills include initiating the helping relationship process, diagnosis, goal formulation, treatment planning, termination, referral, and record keeping. Prerequisites: COUN 5316 and COUN 5354 and COUN 5359 all with grades of "B" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5367. Marital and Family Counseling: Current Theories.
This course is designed to examine the principles of communication and the goals of marital, couple and family counseling. Selected theories, approaches and techniques used in marital, couple and family counseling will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5368. Developmental Issues in Counseling Children, Adolescents, and Adults.
Emphasis will be on understanding the interactions between the developmental needs of each of these age groups and counseling techniques and procedures used to deliver mental health services to each of these groups.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5369. Child and Adolescent Counseling Methods.
Course focus is an overview of counseling interventions with children and adolescents in agency, school, and private practice. Group, individual, and systems techniques will be covered. Assessment of child psychopathology and techniques for consulting with parents will be included. Prerequisites: COUN 5354 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5370. Intermediate Methods in Counseling Adolescents.
This course will provide an overview of the physical, social, psychological, and behavioral characteristics of the adolescent. This course has a supervised practice experience. Emphasis will be placed on counseling interventions utilizing current research. Prerequisites: COUN 5316 and COUN 5359 and COUN 5369 all with grades of "B" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5372. Assessment and Treatment in Marriage and Family Counseling.
This course addresses the assessment of individual, couple, and family functioning and the planning and implementation of marital, couple and family treatment methods. Prerequisite: COUN 5367 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5373. Intermediate Methods in Play Therapy.
This course explores the philosophical basis for play therapy, the history of play therapy, theoretical applications, techniques, stages, ethical issues, and application to a variety of populations and diagnostic categories. Prerequisite: COUN 5316, COUN 5354, COUN 5359 and COUN 5369.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5375. Intermediate Methods in School Counseling.
This course emphasizes the skills needed to work with school aged children (Pre-K - 12). Students will learn counseling interventions specific to school aged children, and they will work with one student over the course of the semester. In addition, students will lead one group outside of the class in order to receive full credit for the course. Prerequisites: COUN 5328 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5378. Problems in Counseling.
Individual problems not related to thesis. Designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5380. Introduction to Animal-Assisted Counseling.
Animal-assisted counseling (AAC) is a goal-directed process in which a trained therapy animal works in partnership with a counselor to help clients resolve psychosocial challenges and achieve growth. This course will provide an introduction to the AAC field, the human-animal bond, evidence-based research in AAC, and positive training approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5381. Sandtray Therapy Methods.
This course provides students with the philosophical basis for sandtray therapy as a therapeutic intervention for children and families, including a review of its history, applications, techniques, stages, and ethical issues. Didactic and experiential methods are used. Prerequisite: COUN 5369 with a grade of "C" or better. Co-requisite: COUN 5389 or COUN 5689 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5389. Site-Based Internship.
An on-site practicum-internship occurring in a school or agency setting with supervision by on-site and university supervisors. May be repeated based on the recommendation of the counseling faculty. Prerequisites: COUN 5689 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

COUN 5391. Research Methods.
This course provides an understanding of research methods and design, statistical analysis, needs assessment, and program evaluation relevant to the field of professional counseling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5394. Counseling Women.
This elective course involves student exploration of gender in historical, social, and global contexts with emphasis on counseling approaches and interventions specific to the concerns of women and girls. Topics include gender development, gender socialization, sexuality, career and family, violence against women, body image concerns, and overall women's mental health.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in COUN 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5689. Clinical Practicum.
This practicum involves providing supervised counseling services to clients in university-affiliated counseling clinics, and a staffing seminar. It may be taken up to three times (18 credit hours) based on the recommendation of the counseling faculty. Prerequisites: Instructor approval.
6 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

COUN 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Professional Counseling (Marriage and Family Counseling Concentration Non-thesis Option)

Program Overview

The Master of Arts (M.A.) with a major in Professional Counseling consists of four concentrations:

- clinical mental health counseling,
- marital, couple and family counseling, and
- school counseling
- school counselor - Texas Certificate

These four areas of concentration in the professional counseling major have required course sequences that build skills through three levels, from basic to advanced, via didactic and experiential activities. The curriculum includes core foundations in theories, interventions, assessment, and research. In addition, core tenets that are emphasized throughout the program include diversity, ethics, professional development, and self-awareness. There is a strong emphasis on experiential learning integrated with the application of didactic, research-based knowledge. Internship is required as the capstone experience. The concentration in clinical mental health counseling; marriage, couple, and family counseling; and school counseling are nationally accredited by the Council for Accreditation of Counseling and Related Programs (CACREP).

The concentration of School Counselor - Texas Certificate, has similar courses and sequencing as the areas above. This concentration is focused on developing strong clinical skills and meeting the requirements of the Texas State Board of Educator Certification.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fees for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- informed consent form
- resume/CV detailing unique competencies that contribute to an aptitude for graduate study; personal experiences, such as volunteer work, that have aided in preparations for a career in counseling; additional language skills; technological competence and computer literacy
- statement of purpose (maximum 750 words, typed and double-spaced) addressing the following:*
  - professional goals and rational for pursuing education and training in professional counseling as opposed to another mental

health discipline such as psychology, social work, or counseling psychology
- rationale for choosing the marriage and family counseling concentration
- major strengths and weaknesses with respect to being admitted into the program
- perspective on diversity including
  - personal contributions to and benefits from the richness of the professional counseling program
  - ways to increase inclusion of diversity in the counseling profession

- three forms of recommendation (not general reference letters)

TOEFL or IELTS scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

The statement of purpose will be evaluated for content, style, and quality. While the applicant may seek consultation and editing suggestions, this statement must be representative of the student's current level and style of writing and representative of what could be expected if admitted into the program.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Professional Counseling concentration in marriage and family counseling requires 60 semester credit hours.This concentration meets academic requirements for the Texas Licensed Professional Counselor (LPC) credential and the Texas Licensed Marriage and Family Therapist (LMFT) credential. A grade of "B" or better must be earned in all course work counting toward a professional counseling degree.

Course Requirements

Code	Title	Hours
Required Courses		
COUN 5305	Assessment in Counseling	3
COUN 5307	Theories of Counseling and Personality	3
COUN 5316	Counseling Diverse Populations	3
COUN 5350	Advanced Counselor Ethics	3
COUN 5354	Basic Counseling Skills and Abnormal Behavior	3
COUN 5355	Career Counseling	3
COUN 5358	Dynamics & Processes in Group Counseling	3
COUN 5359	Psychopathology in Clinical Mental Health Counseling	3
COUN 5368	Developmental Issues in Counseling Children, Adolescents, and Adults	3
COUN 5369	Child and Adolescent Counseling Methods	3
COUN 5391	Research Methods	3
Concentration		
COUN 5301	Professional Counseling Orientation	3
COUN 5351	Current Issues in Marriage, Couple and Family Therapy	3
COUN 5360	Intermediate Methods in Marital, Couple and Family Counseling	3
COUN 5367	Marital and Family Counseling: Current Theories	3
COUN 5372	Assessment and Treatment in Marriage and Family Counseling	3
COUN 5389	Site-Based Internship (Taken twice)	6
COUN 5689	Clinical Practicum	6
Total Hours		60

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Counseling, Leadership, Adult Education, and School Psychology: COUN

Courses Offered

Counseling (COUN)

COUN 5178. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated twice for additional credit at the discretion of the department chair.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5301. Professional Counseling Orientation.
This course is presented as a basis for future counselors to understand community counseling agencies, standards of preparation, and the role identity of persons providing direct counseling treatment interventions. This course includes information on the licensure process, professional organizations, ethical and legal aspects of practice, advocacy processes, and theoretical/applied information.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5305. Assessment in Counseling.
Problems and principles of administration, scoring and interpreting group and individually administered tests; utilization of test data for diagnostic, placement, predictive, and evaluative purposes; elementary statistical procedures; laboratory activities in test administration, scoring, and interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5307. Theories of Counseling and Personality.
This course surveys systematically derived theories of counseling and personality from their origins in social discourse, philosophy, and psychology to the present time. Each theorist is presented biographically and the theory considered with regard to its clinical, cultural, and ethical relevance and application to diverse populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5316. Counseling Diverse Populations.
This seminar is designed to sensitize students to the roles societal power disparities, therapist's racial identity and awareness, and client racial/cultural identity play in counseling persons of diverse backgrounds. The dynamics of counseling clients who are African-American, Asian-American, female, gay/lesbian, Latino/a, Native-American, and persons with disabilities, will be examined. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

COUN 5328. Professional Orientation in School Counseling: Leadership, Advocacy, and Accountability.
Orientation to identity and role of professional school counselors, and introduction to the study of comprehensive developmental guidance programs. Course reflects the Texas and ASCA Models with related standards. Topics include: program planning, implementation, and evaluation; use of data and accountability; leadership role; and ethical and legal practices in schools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5330. Assessment Applications in Child & Adolescent Counseling.
This course emphasizes a hands-on approach to the assessments most frequently used by school counselors and child and adolescent counselors. Topics include assessment measures, statistical and research concepts, program evaluation and interpretation. Implications for counseling are also addressed. Prerequisites: COUN 5328 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5338. Advanced Issues in School Counseling: Counseling, Consultation, and Coordination of Services.
Course covers advanced topics in counseling children and adolescents in schools. Emphasis will be placed on developmentally appropriate preventative and responsive counseling services. Consultation and collaboration with parents, school personnel, and community partners, as well as contextual issues in school counseling, will be addressed. Prerequisites: COUN 5316 and COUN 5328 and COUN 5368 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5340. Loss and Grief Recovery Counseling.
An in-depth study of loss and its aftermath, grief. Emphasis is given to the counseling literature, loss and grief in the arts, personal loss experience, and particular counseling interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5344. Substance Abuse and Counseling: An Introduction.
This course focuses on chemical dependency across counseling settings, including school, agency, and private practice. This course includes theoretical and applied information on causative factors, assessment, and treatment strategies across a variety of settings and populations via didactic and experimental coursework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5345. Psychodrama Methods.
The course is both didactic and experimental. It provides a history of therapeutic drama beginning with the Greek theater of Dionysus. The work of J.L. Moreno is presented and the basic tenets of the theory studied. Students then engage in creating, producing, and acting out actual psychodramatic productions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5346. Filial Therapy.
Theoretical and practical application of the filial model will be addressed as well as techniques in training parents in the overall principles and methodology of child-centered play therapy. Corequisite: COUN 5389 or COUN 5689 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5350. Advanced Counselor Ethics.
This course focuses on ethical standards of professional counseling organizations and credentialing bodies, and applications of ethical and legal considerations in professional counseling settings. Emphasis is placed on national and current state board rules, records management, strategies for personal and professional self-evaluation, implications for practice, and client and professional advocacy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5351. Current Issues in Marriage, Couple and Family Therapy.
This course provides students with information regarding special issues in marital, couple and family counseling, including: grief and loss; domestic violence; substance abuse in the family; lesbian, gay, bisexual, and transgender issues; divorce; and re-parenting. Prerequisite: COUN 5316 with a grade of "B" or better and COUN 5367 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5354. Basic Counseling Skills and Abnormal Behavior.
This course is designed to introduce the student to basic counseling skills via role-play and videotape. The course also provides a general model for assessing abnormal behavior of clients and effective skills to elicit identifying behavior. Prerequisites: COUN 5307 and COUN 5350 and [COUN 5301 or COUN 5328] all with grades of "C" or better. Corequisite: COUN 5328.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5355. Career Counseling.
Career choice and development are considered as critical aspects of persons in material cultures where occupation is a major component of one's identity. Career concerns often addressed in counseling are presented and discussed along with the area of vocational guidance, occupational information, and preference inventories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5358. Dynamics & Processes in Group Counseling.
Students will develop knowledge and skills in the basic principles of the dynamics that are characteristic of therapeutic groups. This course is an academic and clinical experience requiring highly active student participation in the form of honest, direct, and open communication combined with authentic self-exploration within the group setting. Corequisite: COUN 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5359. Psychopathology in Clinical Mental Health Counseling.
This course explores the principles of dysfunction in human behavior and systemic organization. This course includes diagnostic, preventive, and remedial methods and interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5360. Intermediate Methods in Marital, Couple and Family Counseling.
Marital, couple, and family theory and techniques are discussed, selected, applied, and refined through lecture and supervised clinical practice. Specific skills include joining, diagnosis, goal formulation, treatment planning, termination, referral, and record keeping. Graded on a credit (CR), no credit (F) basis. Prerequisites: COUN 5316 and COUN 5359 and COUN 5367 and COUN 5369 all with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5362. Practicum in Professional Supervision: Theories and Applications.
Provides experience in supervising practicum or intern students and integrating the theoretical foundations and current issues of professional supervision. Emphasis includes ethical, multicultural, gender, age, and lifestyle concerns in supervisory relationships, and academic requirements for supervisory status for Texas Licensed Professional Counselor and Licensed Specialist in School Psychology credentials. Course can be repeated once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5366. Intermediate Methods in Adult Counseling.
Counseling theories and techniques are discussed, selected, applied and refined through lecture and supervised practice. Specific skills include initiating the helping relationship process, diagnosis, goal formulation, treatment planning, termination, referral, and record keeping. Prerequisites: COUN 5316 and COUN 5354 and COUN 5359 all with grades of "B" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5367. Marital and Family Counseling: Current Theories.
This course is designed to examine the principles of communication and the goals of marital, couple and family counseling. Selected theories, approaches and techniques used in marital, couple and family counseling will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5368. Developmental Issues in Counseling Children, Adolescents, and Adults.
Emphasis will be on understanding the interactions between the developmental needs of each of these age groups and counseling techniques and procedures used to deliver mental health services to each of these groups.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5369. Child and Adolescent Counseling Methods.
Course focus is an overview of counseling interventions with children and adolescents in agency, school, and private practice. Group, individual, and systems techniques will be covered. Assessment of child psychopathology and techniques for consulting with parents will be included. Prerequisites: COUN 5354 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5370. Intermediate Methods in Counseling Adolescents.
This course will provide an overview of the physical, social, psychological, and behavioral characteristics of the adolescent. This course has a supervised practice experience. Emphasis will be placed on counseling interventions utilizing current research. Prerequisites: COUN 5316 and COUN 5359 and COUN 5369 all with grades of "B" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5372. Assessment and Treatment in Marriage and Family Counseling.
This course addresses the assessment of individual, couple, and family functioning and the planning and implementation of marital, couple and family treatment methods. Prerequisite: COUN 5367 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5373. Intermediate Methods in Play Therapy.
This course explores the philosophical basis for play therapy, the history of play therapy, theoretical applications, techniques, stages, ethical issues, and application to a variety of populations and diagnostic categories. Prerequisite: COUN 5316, COUN 5354, COUN 5359 and COUN 5369.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5375. Intermediate Methods in School Counseling.
This course emphasizes the skills needed to work with school aged children (Pre-K - 12). Students will learn counseling interventions specific to school aged children, and they will work with one student over the course of the semester. In addition, students will lead one group outside of the class in order to receive full credit for the course. Prerequisites: COUN 5328 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5378. Problems in Counseling.
Individual problems not related to thesis. Designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5380. Introduction to Animal-Assisted Counseling.
Animal-assisted counseling (AAC) is a goal-directed process in which a trained therapy animal works in partnership with a counselor to help clients resolve psychosocial challenges and achieve growth. This course will provide an introduction to the AAC field, the human-animal bond, evidence-based research in AAC, and positive training approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5381. Sandtray Therapy Methods.
This course provides students with the philosophical basis for sandtray therapy as a therapeutic intervention for children and families, including a review of its history, applications, techniques, stages, and ethical issues. Didactic and experiential methods are used. Prerequisite: COUN 5369 with a grade of "C" or better. Co-requisite: COUN 5389 or COUN 5689 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5389. Site-Based Internship.
An on-site practicum-internship occurring in a school or agency setting with supervision by on-site and university supervisors. May be repeated based on the recommendation of the counseling faculty. Prerequisites: COUN 5689 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

COUN 5391. Research Methods.
This course provides an understanding of research methods and design, statistical analysis, needs assessment, and program evaluation relevant to the field of professional counseling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5394. Counseling Women.
This elective course involves student exploration of gender in historical, social, and global contexts with emphasis on counseling approaches and interventions specific to the concerns of women and girls. Topics include gender development, gender socialization, sexuality, career and family, violence against women, body image concerns, and overall women's mental health.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in COUN 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5689. Clinical Practicum.
This practicum involves providing supervised counseling services to clients in university-affiliated counseling clinics, and a staffing seminar. It may be taken up to three times (18 credit hours) based on the recommendation of the counseling faculty. Prerequisites: Instructor approval.
6 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

COUN 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Professional Counseling (Marriage and Family Counseling Concentration Thesis Option)

Program Overview

The Master of Arts (M.A.) with a major in Professional Counseling consists of four concentrations:

- clinical mental health counseling,
- marital, couple and family counseling, and
- school counseling
- school counselor - Texas Certificate

These four areas of concentration in the professional counseling major have required course sequences that build skills through three levels, from basic to advanced, via didactic and experiential activities. The curriculum includes core foundations in theories, interventions, assessment, and research. In addition, core tenets that are emphasized throughout the program include diversity, ethics, professional development, and self-awareness. There is a strong emphasis on experiential learning integrated with the application of didactic, research-based knowledge. Internship is required as the capstone experience. The concentration in clinical mental health counseling; marriage, couple, and family counseling; and school counseling are nationally accredited by the Council for Accreditation of Counseling and Related Programs (CACREP).

The concentration of School Counselor - Texas Certificate, has similar courses and sequencing as the areas above. This concentration is focused on developing strong clinical skills and meeting the requirements of the Texas State Board of Educator Certification.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- informed consent form
- resume/CV detailing unique competencies that contribute to an aptitude for graduate study; personal experiences, such as volunteer work, that have aided in preparations for a career in counseling; additional language skills; technological competence and computer literacy
- statement of purpose (maximum 750 words, typed and double-spaced) addressing the following:*
  - professional goals and rational for pursuing education and training in professional counseling as opposed to another mental health discipline such as psychology, social work, or counseling psychology
  - rationale for choosing the marriage and family counseling concentration
  - major strengths and weaknesses with respect to being admitted into the program
  - perspective on diversity including
    - personal contributions to and benefits from the richness of the professional counseling program
    - ways to increase inclusion of diversity in the counseling profession
- three forms of recommendation (not general reference letters)

TOEFL or IELTS scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

*The statement of purpose will be evaluated for content, style, and quality. While the applicant may seek consultation and editing suggestions, this statement must be representative of the student's current level and style of writing and representative of what could be expected if admitted into the program.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Professional Counseling concentration in marriage and family counseling requires 66 semester credit hours, including a thesis. This concentration meets academic requirements for the Texas Licensed Professional Counselor (LPC) credential and the Texas Licensed Marriage and Family Therapist (LMFT)

credential. A grade of "B" or better must be earned in all course work counting toward a professional counseling degree.

Course Requirements

Code	Title	Hours
Required Courses		
COUN 5305	Assessment in Counseling	3
COUN 5307	Theories of Counseling and Personality	3
COUN 5316	Counseling Diverse Populations	3
COUN 5350	Advanced Counselor Ethics	3
COUN 5354	Basic Counseling Skills and Abnormal Behavior	3
COUN 5355	Career Counseling	3
COUN 5358	Dynamics & Processes in Group Counseling	3
COUN 5359	Psychopathology in Clinical Mental Health Counseling	3
COUN 5368	Developmental Issues in Counseling Children, Adolescents, and Adults	3
COUN 5369	Child and Adolescent Counseling Methods	3
COUN 5391	Research Methods	3
Concentration		
COUN 5301	Professional Counseling Orientation	3
COUN 5351	Current Issues in Marriage, Couple and Family Therapy	3
COUN 5360	Intermediate Methods in Marital, Couple and Family Counseling	3
COUN 5367	Marital and Family Counseling: Current Theories	3
COUN 5372	Assessment and Treatment in Marriage and Family Counseling	3
COUN 5389	Site-Based Internship (Taken twice)	6
COUN 5689	Clinical Practicum	6
Thesis		
COUN 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
COUN 5199B	Thesis	
COUN 5299B	Thesis	
COUN 5399B	Thesis	
COUN 5599B	Thesis	
COUN 5999B	Thesis	
Total Hours		66

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until

the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Counseling, Leadership, Adult Education, and School Psychology: COUN

Courses Offered

Counseling (COUN)

COUN 5178. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated twice for additional credit at the discretion of the department chair.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5301. Professional Counseling Orientation.
This course is presented as a basis for future counselors to understand community counseling agencies, standards of preparation, and the role identity of persons providing direct counseling treatment interventions. This course includes information on the licensure process, professional organizations, ethical and legal aspects of practice, advocacy processes, and theoretical/applied information.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5305. Assessment in Counseling.
Problems and principles of administration, scoring and interpreting group and individually administered tests; utilization of test data for diagnostic, placement, predictive, and evaluative purposes; elementary statistical procedures; laboratory activities in test administration, scoring, and interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5307. Theories of Counseling and Personality.
This course surveys systematically derived theories of counseling and personality from their origins in social discourse, philosophy, and psychology to the present time. Each theorist is presented biographically and the theory considered with regard to its clinical, cultural, and ethical relevance and application to diverse populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5316. Counseling Diverse Populations.
This seminar is designed to sensitize students to the roles societal power disparities, therapist's racial identity and awareness, and client racial/cultural identity play in counseling persons of diverse backgrounds. The dynamics of counseling clients who are African-American, Asian-American, female, gay/lesbian, Latino/a, Native-American, and persons with disabilities, will be examined. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

COUN 5328. Professional Orientation in School Counseling: Leadership, Advocacy, and Accountability.
Orientation to identity and role of professional school counselors, and introduction to the study of comprehensive developmental guidance programs. Course reflects the Texas and ASCA Models with related standards. Topics include: program planning, implementation, and evaluation; use of data and accountability; leadership role; and ethical and legal practices in schools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5330. Assessment Applications in Child & Adolescent Counseling.
This course emphasizes a hands-on approach to the assessments most frequently used by school counselors and child and adolescent counselors. Topics include assessment measures, statistical and research concepts, program evaluation and interpretation. Implications for counseling are also addressed. Prerequisites: COUN 5328 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5338. Advanced Issues in School Counseling: Counseling, Consultation, and Coordination of Services.
Course covers advanced topics in counseling children and adolescents in schools. Emphasis will be placed on developmentally appropriate preventative and responsive counseling services. Consultation and collaboration with parents, school personnel, and community partners, as well as contextual issues in school counseling, will be addressed. Prerequisites: COUN 5316 and COUN 5328 and COUN 5368 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5340. Loss and Grief Recovery Counseling.
An in-depth study of loss and its aftermath, grief. Emphasis is given to the counseling literature, loss and grief in the arts, personal loss experience, and particular counseling interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5344. Substance Abuse and Counseling: An Introduction.
This course focuses on chemical dependency across counseling settings, including school, agency, and private practice. This course includes theoretical and applied information on causative factors, assessment, and treatment strategies across a variety of settings and populations via didactic and experimental coursework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5345. Psychodrama Methods.
The course is both didactic and experimental. It provides a history of therapeutic drama beginning with the Greek theater of Dionysus. The work of J.L. Moreno is presented and the basic tenets of the theory studied. Students then engage in creating, producing, and acting out actual psychodramatic productions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5346. Filial Therapy.
Theoretical and practical application of the filial model will be addressed as well as techniques in training parents in the overall principles and methodology of child-centered play therapy. Corequisite: COUN 5389 or COUN 5689 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5350. Advanced Counselor Ethics.
This course focuses on ethical standards of professional counseling organizations and credentialing bodies, and applications of ethical and legal considerations in professional counseling settings. Emphasis is placed on national and current state board rules, records management, strategies for personal and professional self-evaluation, implications for practice, and client and professional advocacy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5351. Current Issues in Marriage, Couple and Family Therapy.
This course provides students with information regarding special issues in marital, couple and family counseling, including: grief and loss; domestic violence; substance abuse in the family; lesbian, gay, bisexual, and transgender issues; divorce; and re-parenting. Prerequisite: COUN 5316 with a grade of "B" or better and COUN 5367 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5354. Basic Counseling Skills and Abnormal Behavior.
This course is designed to introduce the student to basic counseling skills via role-play and videotape. The course also provides a general model for assessing abnormal behavior of clients and effective skills to elicit identifying behavior. Prerequisites: COUN 5307 and COUN 5350 and [COUN 5301 or COUN 5328] all with grades of "C" or better. Corequisite: COUN 5328.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5355. Career Counseling.
Career choice and development are considered as critical aspects of persons in material cultures where occupation is a major component of one's identity. Career concerns often addressed in counseling are presented and discussed along with the area of vocational guidance, occupational information, and preference inventories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5358. Dynamics & Processes in Group Counseling.
Students will develop knowledge and skills in the basic principles of the dynamics that are characteristic of therapeutic groups. This course is an academic and clinical experience requiring highly active student participation in the form of honest, direct, and open communication combined with authentic self-exploration within the group setting. Corequisite: COUN 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5359. Psychopathology in Clinical Mental Health Counseling.
This course explores the principles of dysfunction in human behavior and systemic organization. This course includes diagnostic, preventive, and remedial methods and interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5360. Intermediate Methods in Marital, Couple and Family Counseling.
Marital, couple, and family theory and techniques are discussed, selected, applied, and refined through lecture and supervised clinical practice. Specific skills include joining, diagnosis, goal formulation, treatment planning, termination, referral, and record keeping. Graded on a credit (CR), no credit (F) basis. Prerequisites: COUN 5316 and COUN 5359 and COUN 5367 and COUN 5369 all with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5362. Practicum in Professional Supervision: Theories and Applications.
Provides experience in supervising practicum or intern students and integrating the theoretical foundations and current issues of professional supervision. Emphasis includes ethical, multicultural, gender, age, and lifestyle concerns in supervisory relationships, and academic requirements for supervisory status for Texas Licensed Professional Counselor and Licensed Specialist in School Psychology credentials. Course can be repeated once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5366. Intermediate Methods in Adult Counseling.
Counseling theories and techniques are discussed, selected, applied and refined through lecture and supervised practice. Specific skills include initiating the helping relationship process, diagnosis, goal formulation, treatment planning, termination, referral, and record keeping. Prerequisites: COUN 5316 and COUN 5354 and COUN 5359 all with grades of "B" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5367. Marital and Family Counseling: Current Theories.
This course is designed to examine the principles of communication and the goals of marital, couple and family counseling. Selected theories, approaches and techniques used in marital, couple and family counseling will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5368. Developmental Issues in Counseling Children, Adolescents, and Adults.
Emphasis will be on understanding the interactions between the developmental needs of each of these age groups and counseling techniques and procedures used to deliver mental health services to each of these groups.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5369. Child and Adolescent Counseling Methods.
Course focus is an overview of counseling interventions with children and adolescents in agency, school, and private practice. Group, individual, and systems techniques will be covered. Assessment of child psychopathology and techniques for consulting with parents will be included. Prerequisites: COUN 5354 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5370. Intermediate Methods in Counseling Adolescents.
This course will provide an overview of the physical, social, psychological, and behavioral characteristics of the adolescent. This course has a supervised practice experience. Emphasis will be placed on counseling interventions utilizing current research. Prerequisites: COUN 5316 and COUN 5359 and COUN 5369 all with grades of "B" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5372. Assessment and Treatment in Marriage and Family Counseling.
This course addresses the assessment of individual, couple, and family functioning and the planning and implementation of marital, couple and family treatment methods. Prerequisite: COUN 5367 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5373. Intermediate Methods in Play Therapy.
This course explores the philosophical basis for play therapy, the history of play therapy, theoretical applications, techniques, stages, ethical issues, and application to a variety of populations and diagnostic categories. Prerequisite: COUN 5316, COUN 5354, COUN 5359 and COUN 5369.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5375. Intermediate Methods in School Counseling.
This course emphasizes the skills needed to work with school aged children (Pre-K - 12). Students will learn counseling interventions specific to school aged children, and they will work with one student over the course of the semester. In addition, students will lead one group outside of the class in order to receive full credit for the course. Prerequisites: COUN 5328 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5378. Problems in Counseling.
Individual problems not related to thesis. Designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5380. Introduction to Animal-Assisted Counseling.
Animal-assisted counseling (AAC) is a goal-directed process in which a trained therapy animal works in partnership with a counselor to help clients resolve psychosocial challenges and achieve growth. This course will provide an introduction to the AAC field, the human-animal bond, evidence-based research in AAC, and positive training approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5381. Sandtray Therapy Methods.
This course provides students with the philosophical basis for sandtray therapy as a therapeutic intervention for children and families, including a review of its history, applications, techniques, stages, and ethical issues. Didactic and experiential methods are used. Prerequisite: COUN 5369 with a grade of "C" or better. Co-requisite: COUN 5389 or COUN 5689 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5389. Site-Based Internship.
An on-site practicum-internship occurring in a school or agency setting with supervision by on-site and university supervisors. May be repeated based on the recommendation of the counseling faculty. Prerequisites: COUN 5689 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

COUN 5391. Research Methods.
This course provides an understanding of research methods and design, statistical analysis, needs assessment, and program evaluation relevant to the field of professional counseling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5394. Counseling Women.
This elective course involves student exploration of gender in historical, social, and global contexts with emphasis on counseling approaches and interventions specific to the concerns of women and girls. Topics include gender development, gender socialization, sexuality, career and family, violence against women, body image concerns, and overall women's mental health.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in COUN 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5689. Clinical Practicum.
This practicum involves providing supervised counseling services to clients in university-affiliated counseling clinics, and a staffing seminar. It may be taken up to three times (18 credit hours) based on the recommendation of the counseling faculty. Prerequisites: Instructor approval.
6 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

COUN 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Professional Counseling (School Counseling Concentration)

Program Overview

The Master of Arts (M.A.) with a major in Professional Counseling consists of four concentrations:

- clinical mental health counseling,
- marital, couple and family counseling, and
- school counseling
- school counselor - Texas Certificate

These four areas of concentration in the professional counseling major have required course sequences that build skills through three levels, from basic to advanced, via didactic and experiential activities. The curriculum includes core foundations in theories, interventions, assessment, and research. In addition, core tenets that are emphasized throughout the program include diversity, ethics, professional development, and self-awareness. There is a strong emphasis on experiential learning integrated with the application of didactic, research-based knowledge. Internship is required as the capstone experience. The concentration in clinical mental health counseling; marriage, couple, and family counseling; and school counseling are nationally accredited by the Council for Accreditation of Counseling and Related Programs (CACREP).

The concentration of School Counselor - Texas Certificate, has similar courses and sequencing as the areas above. This concentration is

focused on developing strong clinical skills and meeting the requirements of the Texas State Board of Educator Certification.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $35 nonrefundable Texas Education Agency technology fee (if offered admission)

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- informed consent form
- resume/CV detailing unique competencies that contribute to an aptitude for graduate study; personal experiences, such as volunteer work, that have aided in preparations for a career in counseling; additional language skills; technological competence and computer literacy
- statement of purpose (maximum 750 words, typed and double-spaced) addressing the following:*
  - professional goals and rational for pursuing education and training in professional counseling as opposed to another mental health discipline such as psychology, social work, or counseling psychology
  - rationale for choosing the school counseling concentration
  - major strengths and weaknesses with respect to being admitted into the program
  - perspective on diversity including
    - personal contributions to and benefits from the richness of the professional counseling program
    - ways to increase inclusion of diversity in the counseling profession
- three forms of recommendation (not general reference letters)

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores with minimum individual scores of
  - 22 listening
  - 22 reading
  - 24 speaking
  - 21 writing

This program does **not** offer admission if the scores above are not met.

***Additional Information**

The statement of purpose will be evaluated for content, style, and quality. While the applicant may seek consultation and editing suggestions, this statement must be representative of the student's current level and style of writing and representative of what could be expected if admitted into the program.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Professional Counseling consists of three CACREP accredited concentrations with a minimum of 60 semester hours: clinical mental health counseling; marriage and family counseling; and school counseling. All concentrations meet academic requirements for Texas Licensed Professional Counselor (LPC) credential. The marriage and family counseling concentration also meets academic requirements for the Texas Licensed Marriage and Family Therapist (LMFT) credential. The third concentration in school counseling also meets the Texas Education Agency's requirements for the All-Level Professional School Counselor certificate.

A grade of "B" or better must be earned in all course work counting toward the professional counseling degree programs.

Course Requirements

Code	Title	Hours
Required Courses		
COUN 5305	Assessment in Counseling	3
COUN 5307	Theories of Counseling and Personality	3
COUN 5316	Counseling Diverse Populations	3
COUN 5350	Advanced Counselor Ethics	3
COUN 5354	Basic Counseling Skills and Abnormal Behavior	3
COUN 5355	Career Counseling	3
COUN 5358	Dynamics & Processes in Group Counseling	3
COUN 5359	Psychopathology in Clinical Mental Health Counseling	3
COUN 5368	Developmental Issues in Counseling Children, Adolescents, and Adults	3
COUN 5369	Child and Adolescent Counseling Methods	3
COUN 5391	Research Methods	3
Concentration		
COUN 5328	Introduction to School Counseling: Leadership, Advocacy, and Accountability	3
COUN 5338	Advanced Issues in School Counseling: Counseling, Consultation, and Coordination of Services	3
COUN 5344	Substance Abuse and Counseling: An Introduction	3
COUN 5367	Marital and Family Counseling: Current Theories	3

COUN 5370	Intermediate Methods in Counseling Adolescents	3
COUN 5373	Intermediate Methods in Play Therapy	3
COUN 5389	Site-Based Internship	3
COUN 5689	Clinical Practicum	6
Total Hours		60

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Counseling, Leadership, Adult Education, and School Psychology: COUN

Courses Offered

Counseling (COUN)

COUN 5178. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated twice for additional credit at the discretion of the department chair.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5301. Professional Counseling Orientation.
This course is presented as a basis for future counselors to understand community counseling agencies, standards of preparation, and the role identity of persons providing direct counseling treatment interventions. This course includes information on the licensure process, professional organizations, ethical and legal aspects of practice, advocacy processes, and theoretical/applied information.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5305. Assessment in Counseling.
Problems and principles of administration, scoring and interpreting group and individually administered tests; utilization of test data for diagnostic, placement, predictive, and evaluative purposes; elementary statistical procedures; laboratory activities in test administration, scoring, and interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5307. Theories of Counseling and Personality.
This course surveys systematically derived theories of counseling and personality from their origins in social discourse, philosophy, and psychology to the present time. Each theorist is presented biographically and the theory considered with regard to its clinical, cultural, and ethical relevance and application to diverse populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5316. Counseling Diverse Populations.
This seminar is designed to sensitize students to the roles societal power disparities, therapist's racial identity and awareness, and client racial/cultural identity play in counseling persons of diverse backgrounds. The dynamics of counseling clients who are African-American, Asian-American, female, gay/lesbian, Latino/a, Native-American, and persons with disabilities, will be examined. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

COUN 5328. Professional Orientation in School Counseling: Leadership, Advocacy, and Accountability.
Orientation to identity and role of professional school counselors, and introduction to the study of comprehensive developmental guidance programs. Course reflects the Texas and ASCA Models with related standards. Topics include: program planning, implementation, and evaluation; use of data and accountability; leadership role; and ethical and legal practices in schools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5330. Assessment Applications in Child & Adolescent Counseling.
This course emphasizes a hands-on approach to the assessments most frequently used by school counselors and child and adolescent counselors. Topics include assessment measures, statistical and research concepts, program evaluation and interpretation. Implications for counseling are also addressed. Prerequisites: COUN 5328 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5338. Advanced Issues in School Counseling: Counseling, Consultation, and Coordination of Services.
Course covers advanced topics in counseling children and adolescents in schools. Emphasis will be placed on developmentally appropriate preventative and responsive counseling services. Consultation and collaboration with parents, school personnel, and community partners, as well as contextual issues in school counseling, will be addressed. Prerequisites: COUN 5316 and COUN 5328 and COUN 5368 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5340. Loss and Grief Recovery Counseling.
An in-depth study of loss and its aftermath, grief. Emphasis is given to the counseling literature, loss and grief in the arts, personal loss experience, and particular counseling interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5344. Substance Abuse and Counseling: An Introduction.
This course focuses on chemical dependency across counseling settings, including school, agency, and private practice. This course includes theoretical and applied information on causative factors, assessment, and treatment strategies across a variety of settings and populations via didactic and experimental coursework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5345. Psychodrama Methods.
The course is both didactic and experimental. It provides a history of therapeutic drama beginning with the Greek theater of Dionysus. The work of J.L. Moreno is presented and the basic tenets of the theory studied. Students then engage in creating, producing, and acting out actual psychodramatic productions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5346. Filial Therapy.
Theoretical and practical application of the filial model will be addressed as well as techniques in training parents in the overall principles and methodology of child-centered play therapy. Corequisite: COUN 5389 or COUN 5689 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5350. Advanced Counselor Ethics.
This course focuses on ethical standards of professional counseling organizations and credentialing bodies, and applications of ethical and legal considerations in professional counseling settings. Emphasis is placed on national and current state board rules, records management, strategies for personal and professional self-evaluation, implications for practice, and client and professional advocacy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5351. Current Issues in Marriage, Couple and Family Therapy.
This course provides students with information regarding special issues in marital, couple and family counseling, including: grief and loss; domestic violence; substance abuse in the family; lesbian, gay, bisexual, and transgender issues; divorce; and re-parenting. Prerequisite: COUN 5316 with a grade of "B" or better and COUN 5367 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5354. Basic Counseling Skills and Abnormal Behavior.
This course is designed to introduce the student to basic counseling skills via role-play and videotape. The course also provides a general model for assessing abnormal behavior of clients and effective skills to elicit identifying behavior. Prerequisites: COUN 5307 and COUN 5350 and [COUN 5301 or COUN 5328] all with grades of "C" or better. Corequisite: COUN 5328.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5355. Career Counseling.
Career choice and development are considered as critical aspects of persons in material cultures where occupation is a major component of one's identity. Career concerns often addressed in counseling are presented and discussed along with the area of vocational guidance, occupational information, and preference inventories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5358. Dynamics & Processes in Group Counseling.
Students will develop knowledge and skills in the basic principles of the dynamics that are characteristic of therapeutic groups. This course is an academic and clinical experience requiring highly active student participation in the form of honest, direct, and open communication combined with authentic self-exploration within the group setting. Corequisite: COUN 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5359. Psychopathology in Clinical Mental Health Counseling.
This course explores the principles of dysfunction in human behavior and systemic organization. This course includes diagnostic, preventive, and remedial methods and interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5360. Intermediate Methods in Marital, Couple and Family Counseling.
Marital, couple, and family theory and techniques are discussed, selected, applied, and refined through lecture and supervised clinical practice. Specific skills include joining, diagnosis, goal formulation, treatment planning, termination, referral, and record keeping. Graded on a credit (CR), no credit (F) basis. Prerequisites: COUN 5316 and COUN 5359 and COUN 5367 and COUN 5369 all with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5362. Practicum in Professional Supervision: Theories and Applications.
Provides experience in supervising practicum or intern students and integrating the theoretical foundations and current issues of professional supervision. Emphasis includes ethical, multicultural, gender, age, and lifestyle concerns in supervisory relationships, and academic requirements for supervisory status for Texas Licensed Professional Counselor and Licensed Specialist in School Psychology credentials. Course can be repeated once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5366. Intermediate Methods in Adult Counseling.
Counseling theories and techniques are discussed, selected, applied and refined through lecture and supervised practice. Specific skills include initiating the helping relationship process, diagnosis, goal formulation, treatment planning, termination, referral, and record keeping. Prerequisites: COUN 5316 and COUN 5354 and COUN 5359 all with grades of "B" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5367. Marital and Family Counseling: Current Theories.
This course is designed to examine the principles of communication and the goals of marital, couple and family counseling. Selected theories, approaches and techniques used in marital, couple and family counseling will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5368. Developmental Issues in Counseling Children, Adolescents, and Adults.
Emphasis will be on understanding the interactions between the developmental needs of each of these age groups and counseling techniques and procedures used to deliver mental health services to each of these groups.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5369. Child and Adolescent Counseling Methods.
Course focus is an overview of counseling interventions with children and adolescents in agency, school, and private practice. Group, individual, and systems techniques will be covered. Assessment of child psychopathology and techniques for consulting with parents will be included. Prerequisites: COUN 5354 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5370. Intermediate Methods in Counseling Adolescents.
This course will provide an overview of the physical, social, psychological, and behavioral characteristics of the adolescent. This course has a supervised practice experience. Emphasis will be placed on counseling interventions utilizing current research. Prerequisites: COUN 5316 and COUN 5359 and COUN 5369 all with grades of "B" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5372. Assessment and Treatment in Marriage and Family Counseling.
This course addresses the assessment of individual, couple, and family functioning and the planning and implementation of marital, couple and family treatment methods. Prerequisite: COUN 5367 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5373. Intermediate Methods in Play Therapy.
This course explores the philosophical basis for play therapy, the history of play therapy, theoretical applications, techniques, stages, ethical issues, and application to a variety of populations and diagnostic categories. Prerequisite: COUN 5316, COUN 5354, COUN 5359 and COUN 5369.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5375. Intermediate Methods in School Counseling.
This course emphasizes the skills needed to work with school aged children (Pre-K - 12). Students will learn counseling interventions specific to school aged children, and they will work with one student over the course of the semester. In addition, students will lead one group outside of the class in order to receive full credit for the course. Prerequisites: COUN 5328 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5378. Problems in Counseling.
Individual problems not related to thesis. Designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5380. Introduction to Animal-Assisted Counseling.
Animal-assisted counseling (AAC) is a goal-directed process in which a trained therapy animal works in partnership with a counselor to help clients resolve psychosocial challenges and achieve growth. This course will provide an introduction to the AAC field, the human-animal bond, evidence-based research in AAC, and positive training approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5381. Sandtray Therapy Methods.
This course provides students with the philosophical basis for sandtray therapy as a therapeutic intervention for children and families, including a review of its history, applications, techniques, stages, and ethical issues. Didactic and experiential methods are used. Prerequisite: COUN 5369 with a grade of "C" or better. Co-requisite: COUN 5389 or COUN 5689 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5389. Site-Based Internship.
An on-site practicum-internship occurring in a school or agency setting with supervision by on-site and university supervisors. May be repeated based on the recommendation of the counseling faculty. Prerequisites: COUN 5689 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

COUN 5391. Research Methods.
This course provides an understanding of research methods and design, statistical analysis, needs assessment, and program evaluation relevant to the field of professional counseling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5394. Counseling Women.
This elective course involves student exploration of gender in historical, social, and global contexts with emphasis on counseling approaches and interventions specific to the concerns of women and girls. Topics include gender development, gender socialization, sexuality, career and family, violence against women, body image concerns, and overall women's mental health.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in COUN 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5689. Clinical Practicum.
This practicum involves providing supervised counseling services to clients in university-affiliated counseling clinics, and a staffing seminar. It may be taken up to three times (18 credit hours) based on the recommendation of the counseling faculty. Prerequisites: Instructor approval.
6 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

COUN 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Professional Counseling (School Counselor Concentration, Early Childhood Through Grade 12 Professional Certification)

Program Overview

The Master of Arts (M.A.) with a major in Professional Counseling consists of four concentrations:

- clinical mental health counseling,
- marital, couple and family counseling, and
- school counseling
- school counselor - Texas Certificate

These four areas of concentration in the professional counseling major have required course sequences that build skills through three levels, from basic to advanced, via didactic and experiential activities. The curriculum includes core foundations in theories, interventions, assessment, and research. In addition, core tenets that are emphasized throughout the program include diversity, ethics, professional development, and self-awareness. There is a strong emphasis on experiential learning integrated with the application of didactic, research-based knowledge. Internship is required as the capstone experience. The concentration in clinical mental health counseling; marriage, couple, and family counseling; and school counseling are nationally accredited by the Council for Accreditation of Counseling and Related Programs (CACREP).

The concentration of School Counselor - Texas Certificate, has similar courses and sequencing as the areas above. This concentration is focused on developing strong clinical skills and meeting the requirements of the Texas State Board of Educator Certification.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $35 nonrefundable Texas Education Agency technology fee (if offered admission)

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- informed consent form
- resume/CV detailing unique competencies that contribute to an aptitude for graduate study; personal experiences, such as volunteer work, that have aided in preparations for a career in counseling;

additional language skills; technological competence and computer literacy

- statement of purpose (maximum 750 words, typed and double-spaced) addressing the following:*
  - professional goals and rational for pursuing education and training in professional counseling as opposed to another mental health discipline such as psychology, social work, or counseling psychology
  - rationale for choosing the school counseling concentration
  - major strengths and weaknesses with respect to being admitted into the program
  - perspective on diversity including
    - personal contributions to and benefits from the richness of the professional counseling program
    - ways to increase inclusion of diversity in the counseling profession
- three forms of recommendation (not general reference letters)

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores with minimum individual scores of
  - 22 listening
  - 22 reading
  - 24 speaking
  - 21 writing

This program does **not** offer admission if the scores above are not met.

***Additional Information**

The statement of purpose will be evaluated for content, style, and quality. While the applicant may seek consultation and editing suggestions, this statement must be representative of the student's current level and style of writing and representative of what could be expected if admitted into the program.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Professional Counseling concentration in School Counselor for Early Childhood through Grade 12 requires 48 semester credit hours. A grade of "B" or better must be earned in all course work counting toward a Professional Counseling degree.

Course Requirements

Code	Title	Hours
Required Courses		
COUN 5305	Assessment in Counseling	3
COUN 5307	Theories of Counseling and Personality	3
COUN 5316	Counseling Diverse Populations	3
COUN 5328	Introduction to School Counseling: Leadership, Advocacy, and Accountability	3
COUN 5338	Advanced Issues in School Counseling: Counseling, Consultation, and Coordination of Services	3
COUN 5354	Basic Counseling Skills and Abnormal Behavior	3
COUN 5355	Career Counseling	3
COUN 5358	Dynamics & Processes in Group Counseling	3
COUN 5368	Developmental Issues in Counseling Children, Adolescents, and Adults	3
COUN 5369	Child and Adolescent Counseling Methods	3
COUN 5370	Intermediate Methods in Counseling Adolescents	3
COUN 5373	Intermediate Methods in Play Therapy	3
COUN 5389	Site-Based Internship	3
COUN 5391	Research Methods	3
COUN 5689	Clinical Practicum	6
Total Hours		48

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Counseling, Leadership, Adult Education, and School Psychology: COUN

Courses Offered

Counseling (COUN)

COUN 5178. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated twice for additional credit at the discretion of the department chair.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5301. Professional Counseling Orientation.
This course is presented as a basis for future counselors to understand community counseling agencies, standards of preparation, and the role identity of persons providing direct counseling treatment interventions. This course includes information on the licensure process, professional organizations, ethical and legal aspects of practice, advocacy processes, and theoretical/applied information.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5305. Assessment in Counseling.
Problems and principles of administration, scoring and interpreting group and individually administered tests; utilization of test data for diagnostic, placement, predictive, and evaluative purposes; elementary statistical procedures; laboratory activities in test administration, scoring, and interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5307. Theories of Counseling and Personality.
This course surveys systematically derived theories of counseling and personality from their origins in social discourse, philosophy, and psychology to the present time. Each theorist is presented biographically and the theory considered with regard to its clinical, cultural, and ethical relevance and application to diverse populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5316. Counseling Diverse Populations.
This seminar is designed to sensitize students to the roles societal power disparities, therapist's racial identity and awareness, and client racial/cultural identity play in counseling persons of diverse backgrounds. The dynamics of counseling clients who are African-American, Asian-American, female, gay/lesbian, Latino/a, Native-American, and persons with disabilities, will be examined. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

COUN 5328. Professional Orientation in School Counseling: Leadership, Advocacy, and Accountability.
Orientation to identity and role of professional school counselors, and introduction to the study of comprehensive developmental guidance programs. Course reflects the Texas and ASCA Models with related standards. Topics include: program planning, implementation, and evaluation; use of data and accountability; leadership role; and ethical and legal practices in schools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5330. Assessment Applications in Child & Adolescent Counseling.
This course emphasizes a hands-on approach to the assessments most frequently used by school counselors and child and adolescent counselors. Topics include assessment measures, statistical and research concepts, program evaluation and interpretation. Implications for counseling are also addressed. Prerequisites: COUN 5328 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5338. Advanced Issues in School Counseling: Counseling, Consultation, and Coordination of Services.
Course covers advanced topics in counseling children and adolescents in schools. Emphasis will be placed on developmentally appropriate preventative and responsive counseling services. Consultation and collaboration with parents, school personnel, and community partners, as well as contextual issues in school counseling, will be addressed. Prerequisites: COUN 5316 and COUN 5328 and COUN 5368 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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An in-depth study of loss and its aftermath, grief. Emphasis is given to the counseling literature, loss and grief in the arts, personal loss experience, and particular counseling interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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This course focuses on chemical dependency across counseling settings, including school, agency, and private practice. This course includes theoretical and applied information on causative factors, assessment, and treatment strategies across a variety of settings and populations via didactic and experimental coursework.
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Grade Mode: Standard Letter

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The course is both didactic and experimental. It provides a history of therapeutic drama beginning with the Greek theater of Dionysus. The work of J.L. Moreno is presented and the basic tenets of the theory studied. Students then engage in creating, producing, and acting out actual psychodramatic productions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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Theoretical and practical application of the filial model will be addressed as well as techniques in training parents in the overall principles and methodology of child-centered play therapy. Corequisite: COUN 5389 or COUN 5689 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5350. Advanced Counselor Ethics.
This course focuses on ethical standards of professional counseling organizations and credentialing bodies, and applications of ethical and legal considerations in professional counseling settings. Emphasis is placed on national and current state board rules, records management, strategies for personal and professional self-evaluation, implications for practice, and client and professional advocacy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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This course provides students with information regarding special issues in marital, couple and family counseling, including: grief and loss; domestic violence; substance abuse in the family; lesbian, gay, bisexual, and transgender issues; divorce; and re-parenting. Prerequisite: COUN 5316 with a grade of "B" or better and COUN 5367 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5354. Basic Counseling Skills and Abnormal Behavior.
This course is designed to introduce the student to basic counseling skills via role-play and videotape. The course also provides a general model for assessing abnormal behavior of clients and effective skills to elicit identifying behavior. Prerequisites: COUN 5307 and COUN 5350 and [COUN 5301 or COUN 5328] all with grades of "C" or better. Corequisite: COUN 5328.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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Career choice and development are considered as critical aspects of persons in material cultures where occupation is a major component of one's identity. Career concerns often addressed in counseling are presented and discussed along with the area of vocational guidance, occupational information, and preference inventories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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Students will develop knowledge and skills in the basic principles of the dynamics that are characteristic of therapeutic groups. This course is an academic and clinical experience requiring highly active student participation in the form of honest, direct, and open communication combined with authentic self-exploration within the group setting. Corequisite: COUN 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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COUN 5359. Psychopathology in Clinical Mental Health Counseling.
This course explores the principles of dysfunction in human behavior and systemic organization. This course includes diagnostic, preventive, and remedial methods and interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5360. Intermediate Methods in Marital, Couple and Family Counseling.
Marital, couple, and family theory and techniques are discussed, selected, applied, and refined through lecture and supervised clinical practice. Specific skills include joining, diagnosis, goal formulation, treatment planning, termination, referral, and record keeping. Graded on a credit (CR), no credit (F) basis. Prerequisites: COUN 5316 and COUN 5359 and COUN 5367 and COUN 5369 all with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5362. Practicum in Professional Supervision: Theories and Applications.
Provides experience in supervising practicum or intern students and integrating the theoretical foundations and current issues of professional supervision. Emphasis includes ethical, multicultural, gender, age, and lifestyle concerns in supervisory relationships, and academic requirements for supervisory status for Texas Licensed Professional Counselor and Licensed Specialist in School Psychology credentials. Course can be repeated once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5366. Intermediate Methods in Adult Counseling.
Counseling theories and techniques are discussed, selected, applied and refined through lecture and supervised practice. Specific skills include initiating the helping relationship process, diagnosis, goal formulation, treatment planning, termination, referral, and record keeping. Prerequisites: COUN 5316 and COUN 5354 and COUN 5359 all with grades of "B" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5367. Marital and Family Counseling: Current Theories.
This course is designed to examine the principles of communication and the goals of marital, couple and family counseling. Selected theories, approaches and techniques used in marital, couple and family counseling will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5368. Developmental Issues in Counseling Children, Adolescents, and Adults.
Emphasis will be on understanding the interactions between the developmental needs of each of these age groups and counseling techniques and procedures used to deliver mental health services to each of these groups.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5369. Child and Adolescent Counseling Methods.
Course focus is an overview of counseling interventions with children and adolescents in agency, school, and private practice. Group, individual, and systems techniques will be covered. Assessment of child psychopathology and techniques for consulting with parents will be included. Prerequisites: COUN 5354 and COUN 5368 both with grades of "C" or better.
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Grade Mode: Standard Letter

COUN 5370. Intermediate Methods in Counseling Adolescents.
This course will provide an overview of the physical, social, psychological, and behavioral characteristics of the adolescent. This course has a supervised practice experience. Emphasis will be placed on counseling interventions utilizing current research. Prerequisites: COUN 5316 and COUN 5359 and COUN 5369 all with grades of "B" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

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This course addresses the assessment of individual, couple, and family functioning and the planning and implementation of marital, couple and family treatment methods. Prerequisite: COUN 5367 with a grade of "C" or better.
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This course explores the philosophical basis for play therapy, the history of play therapy, theoretical applications, techniques, stages, ethical issues, and application to a variety of populations and diagnostic categories. Prerequisite: COUN 5316, COUN 5354, COUN 5359 and COUN 5369.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

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This course emphasizes the skills needed to work with school aged children (Pre-K - 12). Students will learn counseling interventions specific to school aged children, and they will work with one student over the course of the semester. In addition, students will lead one group outside of the class in order to receive full credit for the course. Prerequisites: COUN 5328 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5378. Problems in Counseling.
Individual problems not related to thesis. Designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5380. Introduction to Animal-Assisted Counseling.
Animal-assisted counseling (AAC) is a goal-directed process in which a trained therapy animal works in partnership with a counselor to help clients resolve psychosocial challenges and achieve growth. This course will provide an introduction to the AAC field, the human-animal bond, evidence-based research in AAC, and positive training approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5381. Sandtray Therapy Methods.
This course provides students with the philosophical basis for sandtray therapy as a therapeutic intervention for children and families, including a review of its history, applications, techniques, stages, and ethical issues. Didactic and experiential methods are used. Prerequisite: COUN 5369 with a grade of "C" or better. Co-requisite: COUN 5389 or COUN 5689 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5389. Site-Based Internship.
An on-site practicum-internship occurring in a school or agency setting with supervision by on-site and university supervisors. May be repeated based on the recommendation of the counseling faculty. Prerequisites: COUN 5689 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

COUN 5391. Research Methods.
This course provides an understanding of research methods and design, statistical analysis, needs assessment, and program evaluation relevant to the field of professional counseling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5394. Counseling Women.
This elective course involves student exploration of gender in historical, social, and global contexts with emphasis on counseling approaches and interventions specific to the concerns of women and girls. Topics include gender development, gender socialization, sexuality, career and family, violence against women, body image concerns, and overall women's mental health.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in COUN 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5689. Clinical Practicum.
This practicum involves providing supervised counseling services to clients in university-affiliated counseling clinics, and a staffing seminar. It may be taken up to three times (18 credit hours) based on the recommendation of the counseling faculty. Prerequisites: Instructor approval.
6 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

COUN 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Education (M.Ed.) Major in Educational Leadership (Principal Certification Concentration)

Program Overview

The purpose of the Educational Leadership program is to prepare leaders for the schools of Texas. The program offers graduate work leading to the master's degree in educational leadership and certification as a principal (for students who already hold a master's degree) or superintendent (for students with a master's degree and a principal certificate). Questions about admission to the educational leadership program may be directed to the coordinator of the educational leadership program.

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. The student may be ineligible for issuance of a certificate upon completion of the Educator Preparation Program, based on information recorded in the criminal history. Student's with criminal history may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $35 Texas Education Agency technology fee (if offered admission)

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- copy of official teaching certificate documenting initial teaching certification
- copy of official teaching record documenting at least one year of teaching experience

TOEFL scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores with minimum individual scores of
  - 19 listening
  - 19 reading
  - 26 speaking
  - 19 writing

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Educational Leadership concentration principal certification requires 36 semester credit hours. Students are required to maintain a 3.25 cumulative grade-point average (GPA) for all courses listed as Course Requirements.

Course Requirements

Code	Title	Hours
Required Courses		
EDCL 5339	Understanding Self: Developing a Personal Vision of Leadership	3
EDCL 5340	Shaping Organizations and Using Inquiry: Management and Leadership	3
EDCL 5345	Understanding People: Professional Development	3
EDCL 5347	Understanding Environments: Social, Political, Economic, Legal, and Technological	3
EDCL 5348	Supervision of Instruction	3
EDCL 6342	Curriculum Design	3
EDCL 6344	Campus Leadership	3
EDCL 6348	School Law	3
EDCL 6352	School as Center of Inquiry	3
EDCL 6358	Integrative Seminar	3
EDCL 6387	Principal Field-Based Practicum I	3
EDCL 6388	Principal Field-Based Practicum II	3
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Counseling, Leadership, Adult Education, and School Psychology: EDCL

Courses Offered

Educational Leadership (EDCL)

EDCL 5100. Educational Leaders' Continuing Professional Development.
This course provides state-of-the-art continuing professional development for in-service, non-degree seeking educational leaders. New topics will be addressed with each offering. The course may be repeated once if necessary.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5339. Understanding Self: Developing a Personal Vision of Leadership.
Successful leadership in organizational settings requires an understanding of human behavior. This understanding begins with the knowledge of self and leads to the understanding of others. The focus of this course is on the individual student. The intent is to enhance the student's self-awareness of values, beliefs, and attitudes related to successful school leadership.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5340. Shaping Organizations and Using Inquiry: Management and Leadership.
This course includes an understanding of the basic structural components of educational organizations and the theoretical frameworks that describe organizational behavior. Students will focus on the process of action research, planning, decision-making, change in organizations, and leadership. Prerequisites: EDCL 5339, EDCL 5345, EDCL 5347, and EDCL 5348.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5345. Understanding People: Professional Development.
This course includes fundamental issues related to the development of personnel, entry-level knowledge of staff appraisal, adult learning and development, and staff development. Prerequisite: EDCL 5339. Corequisite: EDCL 5339.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5347. Understanding Environments: Social, Political, Economic, Legal, and Technological.
Concepts of the internal and external environment of educational organizations are explored. Entry level concepts are presented in areas of school environments. Prerequisite: EDCL 5339. Corequisite: EDCL 5339.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5348. Supervision of Instruction.
Concepts of curriculum and instructional leadership models for schools will be developed. Factors such as curriculum leadership and instructional improvement are considered part of the internal environment of schools. Prerequisite: EDCL 5339 and EDCL 5345.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5349. Practicum in Instructional Leadership.
Students obtaining an MA in educational leadership with a concentration in instructional leadership apply the knowledge and skills they have developed in their program of study in a school setting, with mentoring by a school administrator and under the supervision of a faculty member in the educational leadership program. Prerequisite: EDCL 5339, EDCL 5345, EDCL 5348, EDCL 6342, EDCL 6352, and EDCL 6358.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5388. Problems in Administration.
Individual problems not related to thesis or research problems. Designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6342. Curriculum Design.
Theory and practice in planning for curriculum needs assessment, development, implementation, and evaluation. Prerequisite: EDCL 5339, EDCL 5345, EDCL 5347, EDCL 5348, and EDCL 6352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6343. Continuous School Improvement.
Applies the concept and principles of Total Quality Improvement to schools and classrooms and integrates Total Quality Improvement with other school improvement models. Prerequisite: All Level I core courses or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6344. Campus Leadership.
This course develops campus leadership skills for elementary and secondary schools, focusing on the role and functions of the principal as a leader. Students practice skill development in evaluation processes, student activity programs, staffing patterns, site-based decision-making, community relations, and accounting procedures. Prerequisites: EDCL 5339, EDCL 5345, and EDCL 5348. Corequisite: EDCL 5347.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6345. Human Resources and Instructional Management.
This course applies principles of leadership to the twin areas of human resource administration and instructional improvement. Topics addressed include legal requirements for personnel management including staff supervision, staff appraisal, staff development, curriculum planning and alignment, and student assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6347. The Superintendency.
This course addresses issues critical to superintendents in Texas. These include leadership and leadership development, school board-superintendent relations, management strategies, the role of public education in a democratic society, and professional ethics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6348. School Law.
This course examines the constitutional provisions, statutory laws, court decisions, and regulations governing public schools with special reference to state and federal relationships. Prerequisite: EDCL 5339, EDCL 5345, EDCL 5347, EDCL 5348, EDCL 6342, EDCL 6344, EDCL 6358, and EDCL 6387.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6349. School Finance and Business Management.
This course applies principles of leadership to the financing of public schools. Students will develop skills in projecting district revenues, budgeting development and analysis, sources of school revenue, principles of taxation, financial accountability, and techniques relevant to the effective leadership of school business matters.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6351. Instructional Models.
Characteristics of effective teaching are identified and correlated with learning theories and their corresponding instructional models. Matching instruction to the needs of learners and integrative approaches are emphasized. Prerequisites: All Level I and II courses or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6352. School as Center of Inquiry.
Prepares the educational leader to be an intelligent consumer of research and to assume a leadership role in school-wide action research. This course is a prerequisite for EDCL 6358. Prerequisites: EDCL 5339 and EDCL 5345. Corequisite: EDCL 5345.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6358. Integrative Seminar.
This course integrates key theories, concepts, and principles learned during the student's course of study. The student will complete a paper including an action research plan designed to solve an educational problem present within a specific educational setting. The master's student will defend the plan during the oral examination. Prerequisites: EDCL 5339, EDCL 5345, EDCL 5347, EDCL 5348, and EDCL 6352. Corequisite: EDCL 5348.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6387. Principal Field-Based Practicum I.
The practicum provides students the opportunity to develop leadership skills needed by principals of elementary and secondary schools. Students will develop a practicum proposal in cooperation with their site-mentor and university supervisor. The course focus is on the development of administrative skills in a real world setting. Prerequisites: EDCL 5339, EDCL 5348, EDCL 6344, and EDCL 6358. Corequisites: EDCL 6344 and EDCL 6358.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 6388. Principal Field-Based Practicum II.
This course is a continuation of EDCL 6387 and allows students to continue projects and activities begun in the fall semester and to work further with their on-site mentor and university supervisor. This course is offered in the spring semester only. Prerequisites: EDCL 5339, EDCL 6358, and EDCL 6387.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 6389. Superintendent's Practicum I.
The practicum is intended to give prospective school superintendents the opportunity to hone their leadership skills under the guidance an experienced and successful school leader. Offered fall semester only and may be taken concurrently with other superintendent certification courses.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 6390. Superintendent's Practicum II.
A continuation of EDCL 6389, this course allows students to carry through projects and activities begun in the fall semester and to work further with their on-site mentor and university supervisor. Offered spring semester only. May be taken concurrently with other superintendent certification courses. Prerequisite: EDCL 6389.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Education (M.Ed.) Major in Student Affairs in Higher Education

Major Program

The Master of Education (M.Ed.) with a major in Student Affairs in Higher Education (SAHE) focuses on preparing students to work in post-secondary and higher education student support services. This comprehensive, cohort-based, application-oriented program is grounded in developmental and learning theory. It celebrates diversity in faculty and student background, experience and culture, and offers practical exposure to the array of careers in student affairs. The innovative curriculum is shaped by student and practitioner participation and is responsive to research and new approaches in the field of student affairs.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university

- official transcripts from **each institution** where course credit was granted
- competitive GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- resume/CV
- three recommendations (program-specific form and letter)
- statement of purpose (maximum 500 words, double-spaced in essay format) addressing the following:*
  - experiences leading to an interest/career in student affairs
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the student affairs in higher education (SAHE) program at Texas State
  - the ways in which the personal learning outcomes of the SAHE program relate to the student's personal and professional goals
  - Semi-finalist applicants will be expected to participate in an on-campus interview.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

The statement of purpose will be evaluated for content, style, and quality. While the applicant may seek consultation and editing suggestions, this statement must be representative of the student's current level and style of writing and representative of what could be expected if admitted into the program.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Student Affairs in Higher Education requires 42 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
SAHE 5322	Governance and Legal Issues in Higher Education	3
SAHE 5323	Assessment, Strategic Planning, and Evaluation in Student Affairs	3
SAHE 5335	Leadership in Student Affairs	3
SAHE 5339	Higher Education and Student Affairs Administration	3
SAHE 5340	College Student Development: Theory & Practice	3
SAHE 5354	Basic Helping Skills	3
SAHE 5387	Research Methods in Student Affairs	3
SAHE 5388	Internship-Student Affairs	3
SAHE 5389	Internship II - Student Affairs	3
SAHE 5390	Student Affairs Functions and Professional Orientation	3
SAHE 5392	Student Affairs Capstone: The Application of Principles and Theories to Case Studies	3
SAHE 5393	Diverse Students and the College Experience	3
Electives		
Choose 6 hours of advisor-approved electives		6
Total Hours		42

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Counseling, Leadership, Adult Education, and School Psychology: SAHE (p. 1093)

Doctoral level courses in Counseling, Leadership, Adult Education, and School Psychology: SAHE (p. 1094)

Courses Offered

Student Affairs in Higher Education (SAHE) - Master's Level

SAHE 5311. Advising and Facilitating Student Groups and Organizations.
Designed for student affairs professionals, this course focuses on effectively advising and facilitating a diverse array of student groups and organizations. Topics include: one-on-one and group advising, collaboration, group facilitation, conflict resolution/mediation, supervision, mentoring, teamwork, and teambuilding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5322. Governance and Legal Issues in Higher Education.
This course provides for the identification and understanding of the legal issues, which influence institutions of higher education. There is also a focus on how postsecondary institutions are governed by Boards of Regents as well as both state and federal governments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5323. Assessment, Strategic Planning, and Evaluation in Student Affairs.
This course covers the theoretical bases for assessment techniques; research design; strategic planning; developing, managing, and evaluating student affairs programs including information management and computer applications in higher education; and methods of needs analysis applicable to college student populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5335. Leadership in Student Affairs.
This course provides an examination of leadership in student affairs and higher education through the study of leadership and organizational theory. Additionally, the course focuses on student leadership development. Students will be prepared to apply their knowledge of leadership theories and models to practice leadership and develop leadership in others.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5339. Higher Education and Student Affairs Administration.
This course provides an overview and examination of higher education and student affairs administration with a focus on institutional programs, services, practices, resources, and best practices that support student engagement and success.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5340. College Student Development: Theory & Practice.
This course seeks to provide in-depth understanding of developmental needs and issues of college and university students, identifies ways to enhance learning by considering developmental and environmental effects, and offers practice in creating learning opportunities that consider developmental needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5354. Basic Helping Skills.
This course will assist students with the development of basic communication, crisis assessment, and referral skills, through the use of role playing and modeling. It provides didactic and experiential activities to facilitate the acquisition of skills essential to helping in the student affairs context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5387. Research Methods in Student Affairs.
Understanding research is an important part of higher education administration. This course focuses on research measurement and design procedures for addressing issues in student affairs in higher education. Students will learn quantitative and qualitative methods as well as fundamentals for reviewing, understanding, and applying research literature. Corequisite: SAHE 5390 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5388. Internship I - Student Affairs.
With a focus on bridging theory and practice, Internship I focuses on applying professional and theoretical knowledge to a student affairs internship setting and making meaning of one's internship experience. The course involves in-class meetings and clocked internship hours. Repeatable with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SAHE 5389. Internship II - Student Affairs.
With a focus on career development, Internship II emphasizes applying coursework and practice to students' future careers. The course includes functional area exploration, resume and cover letter development, job search strategies, and interviewing skills. The course involves in-class meetings and clocked internship hours. Repeatable with departmental approval.
3 Credit Hours. 1 Lecture Contact Hour. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SAHE 5390. Student Affairs Functions and Professional Orientation.
This course covers the history of student affairs in higher education; the context in which student affairs exists in higher education; the theories used in student affairs work and its philosophical foundations; and the mission, goals, and programs of selected functions in student affairs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5392. Student Affairs Capstone: The Application of Principles and Theories to Case Studies.
Utilizing case study format, students examine the application of Student Affairs theories and principles to significant issues, functions, and problems that student affairs administrators manage in work settings. Topics include ethical decision-making, management and leadership problems, human resource development, governance and legal issues, finance and budgeting, and evaluation and assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5393. Multicultural Practice and Social Justice in Student Affairs.
This course focuses on the awareness, knowledge, and skills necessary to be multiculturally competent and socially just student affairs professionals. Additionally, the course focuses on diverse characteristics and needs of contemporary college students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Student Affairs in Higher Education (SAHE) - Doctoral Level

SAHE 7178. Independent Study.
This course focuses on individual research topics. Students choose a selected area of study and work independently on a specialized project. Repeatable with departmental approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SAHE 7278. Independent Study.
This course focuses on individual research topics. Students choose a selected area of study and work independently on a specialized project. Repeatable with departmental approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SAHE 7345. Gender and Sexuality in College.
This course examines the role of gender and sexuality in the college experience. Designed using feminist theory and a social justice framework, the course includes topics of gender identity development, intersectionality, and multiple identities, sexual orientation, gender privilege and oppression, gender disparities in achievement and persistence, femininity, and masculinity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 7378. Independent Study.
This course focuses on individual research topics. Students choose a selected area of study and work independently on a specialized project. Repeatable with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SAHE 7379B. Higher Education and Student Affairs in Qatar.
This course focuses on higher education and student affairs in the country of Qatar. Qatari colleges and American higher education branch campuses in Qatar will be examined. Topics include Qatari and Arab history and culture, student affairs services in Qatar, student development and student involvement, and intercultural competence.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SAHE 7379C. Professional Development in Student Affairs.
Professional development plays an important role in student affairs. This course will allow students to learn more about professional development, professional associations, and conferences. Additionally, students will attend a professional conference and explore the theme of the conference through readings and meetings with professional association leaders and speakers.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SAHE 7379E. Intergroup Dialogue.
This course is designed to give students both a theoretical and practical foundation in the knowledge, understanding, and skills needed to effectively facilitate intergroup dialogue. While providing foundational grounding in the theory and pedagogy of intergroup dialogue, the course directs particular attention to intergroup dynamics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SAHE 7379F. Interpersonal and Group Facilitation.
This course is designed to give students both a theoretical and practical foundation in the knowledge, understanding, and skills needed to effectively facilitate groups and group development. Communication, facilitation, peer leadership, and experiential learning are the focus of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Minor in Adult Education

The graduate minor in Adult Education requires 12 semester credit hours.

Code	Title	Hours
Required Course		
ADED 5321	Adult Learning and Development	3
Electives		
Choose 9 hours of ADED or ED advisor-approved electives		9
Total Hours		12

Minor in Counseling and Guidance

The graduate minor in Counseling and Guidance requires 12 semester credit hours.

Code	Title	Hours
Required Courses		
COUN 5307	Theories of Counseling and Personality	3
COUN 5354	Basic Counseling Skills and Abnormal Behavior	3
COUN 5358	Dynamics & Processes in Group Counseling	3
Electives		
Choose 3 hours from the following:		3
COUN 5301	Professional Counseling Orientation	
COUN 5328	Introduction to School Counseling: Leadership, Advocacy, and Accountability	
COUN 5367	Marital and Family Counseling: Current Theories	
Total Hours		12

Minor in Educational Leadership

The graduate minor in Educational Leadership requires 12 semester credit hours. Students who wish to pursue educational leadership as a minor for another graduate program of study must have initial teacher certification and at least one year of teaching experience in K-12 schools. The minor develops expertise for teacher leadership. Students entering this minor must provide the following documentation to the Educational Leadership Graduate Advisor:

- copy of official teaching certificate documenting initial teaching certification
- copy of official teaching record documenting at least one year's teaching experience

This minor does not provide principal certification. However, students who complete the minor may apply these courses in the future towards requirements for the post-master's principal certification program. Courses expire seven years after they have been completed. If you have questions about admission to the educational leadership program you may contact the coordinator of the educational leadership program.

Code	Title	Hours
Required Courses		
EDCL 5339	Understanding Self: Developing a Personal Vision of Leadership	3
EDCL 5347	Understanding Environments: Social, Political, Economic, Legal, and Technological	3
EDCL 5348	Supervision of Instruction	3
Choose 3 hours from the following:		3
EDCL 5340	Shaping Organizations and Using Inquiry: Management and Leadership	
EDCL 5345	Understanding People: Professional Development	
Total Hours		12

Certificate in Adult English as a Second/Foreign Language

Program Overview

The certificate in adult English as a second/foreign language is designed for individuals who desire to teach, design, and coordinate English as a second/foreign language (ESL or EFL) education programs for adults in community colleges, study abroad programs, and profit and not-for-profit institutions offering adult ESL/EFL instruction. Objectives for the certificate include preparing instructors through:

- Studying and discussing research related to contemporary adult ESL/EFL learning practices,
- Exploring theoretical perspectives supporting innovative adult ESL/EFL methodologies and approaches to assessing/testing adult students' language learning,
- Articulating the relationships and connections between assessment/testing of student performance and program evaluation,
- Designing activities that support and enhance inclusive adult ESL/EFL learning environments that cultivate respect for different cultural and linguistic backgrounds,
- Designing activities and materials to teach listening, speaking, reading, and writing to adult ESL/EFL students, keeping in mind integration of language skills, and
- Making informed/appropriate decisions when choosing textbooks, teaching materials, and assessment/evaluation methods congruent with program and student needs.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $20 nonrefundable application fee

  or

- $60 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.5 GPA in the last 60 hours of undergraduate course work
- minimum 3.0 GPA in all completed graduate course work (if applicable)
- GRE not required
- resume/CV
- statement of purpose
- two letters of recommendation from individuals familiar with the applicant's professional work, including at least one supervisor

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of 19
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall and minimum individual module scores of 14
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Course Requirements

First Semester	Hours	Second Semester	Hours	Third Semester	Year 1 Hours
ADED 5340	3	ADED 5344	3	ADED 5339	3
ADED 7342	3	ADED 5338	3	ADED 5384 or 5337	3
	6		6		6

Total Hours: 18

Department of Curriculum and Instruction

Education Building Room 3044
Telephone: 512-245-2157 Fax: 512-245-7911
http://www.txstate.edu/ci

The Department of Curriculum and Instruction (C&I) offers a variety of degrees and programs, both master's and doctoral, that are intended to enhance the professional development and career goals of teachers and other educators. C&I also offers post-baccalaureate initial teaching certificates (available only to those not already certified) that may be obtained at the graduate level with or without the master's degree. Before proceeding into any field of education at Texas State, the degree applicant should inquire as to certification requirements associated with or prerequisites to the degree. Those seeking initial teacher certification must keep in mind that certification requirements and graduate degree requirements may not be related and that the satisfactory completion of degree requirements may not always lead to certification. You will find more information on specific programs as well as contact information on the College of Education and C&I websites. For additional information regarding requirements for admittance to teacher certification, please visit the Office of Educator Preparation website.

Background Requirements

Students seeking either a master's degree or certification combined with a master's degree can typically begin their studies without completing background or leveling classes. An exception to this would be approximately 6-9 hours of college level math, speech communication, computer literacy, and 6 hours of English composition necessary for students seeking initial teacher certification. Additionally, students seeking initial secondary teacher certification may be required to take additional undergraduate or graduate course work in their desired teaching fields. Note: Criminal background checks are required by Texas

law for all teachers, and no one convicted of a felony may be certified to teach in Texas.

Post-Baccalaureate Programs

- **Post-Baccalaureate Initial Teaching Certification** serves individuals who have earned bachelor's degrees in fields other than education. Students may earn EC-6, 4-8, or 7-12 certification by taking graduate level courses that may count toward a graduate degree.
- **Professional Certifications** are also available for the reading specialist and master mathematics teacher EC-4.

Admittance to the Educator Preparation Program

All degrees that lead to teaching certification require formal admittance into the Educator Preparation Program by the Office of Educator Preparation Program. This acceptance includes payment to the university of a state mandated Texas Education Agency technology fee. Please see https://www.education.txstate.edu/oep/ for current admittance requirements and procedures. Note that the Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Programs. If you are concerned about your criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, click here (https://tea.texas.gov/Texas_Educators/Preparation_and_Continuing_Education/Preparation_and_Continuing_Education).

Initial Certification Options

An individual may seek initial teacher certification as a post-baccalaureate student in several of the certification areas offered by the State of Texas. Satisfactory performance on a State Board for Educator Certification test is required for provisional or professional certificates in education. For updated information please go to the website for The Office of Educator Preparation at: http://www.education.txstate.edu/oep/. **Note:** Criminal background checks are required by Texas law for all teachers, and no one convicted of a felony may be certified to teach in Texas.

Student Fitness and Performance

Program Standards

Students enrolled in all academic programs in The Graduate College must maintain high scholastic standards and develop a mastery of the knowledge and methods of their respective discipline. Students are expected to demonstrate emotional and mental fitness in their interactions with others, use skills and methods that are generally accepted by others in the profession, and conform to the code of ethics of their respective discipline, and the university's honor code. A student's acceptance in any program does not guarantee the student's fitness to remain in that program. The faculty is responsible for verifying that only those students who continue to meet program standards are allowed to continue in any program.

Evaluation of Student Fitness and Performance

Members of the faculty, using their professional judgments, evaluate student fitness and performance continuously. The criteria used by the faculty to make such judgments include instructors' observations of student performance in class or in activities related to courses, evaluations of student performance on theses and practicum, site supervisors' evaluations of student performance in practicum, and the codes of ethics noted above. Students who are not making satisfactory progress or who are not meeting program standards should consider withdrawing from the program.

In this context, the term "satisfactory progress" refers to an academic judgment made regarding the student's fitness and performance. It is a judgment that the student has failed to meet program standards rather than a judgment made on the basis of the student's violation of valid rules of conduct. Disciplinary matters are referred to Student Justice.

Student Review Process

If a faculty member believes that a student is not making satisfactory progress or meeting program standards, he or she should discuss the situation with the student. If the faculty member believes that the student's performance cannot improve to acceptable standards, the faculty member should refer the student to the Program Standards Committee of the appropriate department. The Program Standards Committee consists of three faculty members appointed by the department chair in consultation with the department's senior faculty.

The Committee will notify the student of the reasons that he or she is not making satisfactory progress or meeting program standards and will give the student an opportunity to meet with the Committee to respond and to present information and witnesses to the Committee. The Committee will also meet with the faculty member who referred the student to the Committee. After considering the matter, and within ten working days of meeting with the student, the Committee will report its decision to the student and the department chair, stating that the student should either remain in or leave the program. The Committee may make other decisions, such as placing restrictions or conditions on the student's continuing in the program. Within ten working days of receiving the Committee's decision, the student will notify the department chair of the student's acceptance or rejection of the Committee's decision. If the student rejects the Committee's decision, he or she may appeal to the department chair.

Within ten working days of receiving the student's appeal, the chair will make a decision as to the student's continued presence in the program. Before making the decision, the chair will meet with the student. However, the chair need not meet with the student before making a decision if the student was given a reasonable opportunity to meet, and the student either failed or refused to meet. The chair will notify the student of the decision.

If the student is dissatisfied with the chair's decision, he or she may appeal to the dean of the appropriate college. However, in order for the dean to consider an appeal, the student must submit a written notice of appeal to the chair and the dean within ten working days of receiving the chair's decision. The dean will consider the matter based on information compiled by the chair and notify the student of the decision within ten working days of the dean's receipt of the appeal from the chair. The dean may meet with the student and give the student an opportunity to address the issues. The dean's decision is final.

Doctor of Philosophy (Ph.D.)

- Major in Developmental Education (Developmental Literacy Concentration) (p. 1098)
- Major in Developmental Education (Developmental Mathematics Concentration) (p. 1111)
- Major in Developmental Education (Learning Support Concentration) (p. 1123)

Doctor of Education (Ed.D.)

- Major in Developmental Education (Developmental Literacy Concentration) (p. 1135)
- Major in Developmental Education (Developmental Mathematics Concentration) (p. 1148)
- Major in Developmental Education (Learning Support Concentration) (p. 1160)

Master of Arts (M.A.)

- Major in Developmental Education (Developmental Mathematics Concentration) (p. 1172)
- Major in Developmental Education (Learning Support Concentration) (p. 1183)
- Major in Developmental Education (Literacy Concentration) (p. 1195)
- Major in Elementary Education (p. 1205)
- Major in Elementary Education (Early Childhood Concentration) (p. 1217)
- Major in Elementary Education (Talent Development Concentration) (p. 1230)
- Major in Elementary Education Bilingual/Bicultural (p. 1242)
- Major in Secondary Education (p. 1255)

Master of Education (M.Ed.)

- Major in Educational Technology (p. 1267)
- Major in Elementary Education (p. 1279)
- Major in Elementary Education (Early Childhood Concentration) (p. 1290)
- Major in Elementary Education (Talent Development Concentration) (p. 1302)
- Major in Elementary Education (4-8 ELA/Reading/Social Studies Certification Option) (p. 1313)
- Major in Elementary Education (4-8 Science Certification Option) (p. 1325)
- Major in Elementary Education (4-8 Math Certification Option) (p. 1337)
- Major in Elementary Education (4-8 Generalist Certification Option) (p. 1348)
- Major in Elementary Education (EC-6 Generalist ESL Certification Option (p. 1360))
- Major in Elementary Education (EC-6 Generalist Bilingual Certification Option) (p. 1371)
- Major in Elementary Education (EC-6 Teacher Recruitment Program ESL) (p. 1383)
- Major in Elementary Education (Teacher Fellows) (p. 1394)
- Major in Elementary Education (Master Math Teacher EC-4 Certification Option) (p. 1406)
- Major in Elementary Education Bilingual/Bicultural (p. 1418)
- Major in Reading Education (p. 1429)
- Major in Secondary Education (p. 1441)
- Major in Secondary Education (Education Technology Concentration) (p. 1452)
- Major in Secondary Education (Talent Development Concentration) (p. 1464)
- Major in Secondary Education (Teacher Recruitment Program) (p. 1475)
- Major in Secondary Education (Teaching Certification CMED Concentration) (p. 1487)
- Major in Secondary Education (Teaching Dual Credit Courses Concentration) (p. 1499)
- Major in Special Education (Autism/Applied Behavior Analysis Concentration) (p. 1510)
- Major in Special Education (Behavioral Disorders/Positive Behavior Supports Concentration) (p. 1522)
- Major in Special Education (Learning Disabilities/Inclusion Concentration) (p. 1534)
- Major in Special Education (Teacher Certification CASE Concentration) (p. 1546)

Minors

- Creativity Studies in Education (p. 1558)
- Developmental Education (p. 1558)
- Elementary Education (p. 1558)
- Elementary Education Bilingual/Bicultural (p. 1559)
- Gifted & Talented Education (p. 1559)
- Methods & Materials (p. 1559)
- Reading Education (p. 1560)
- Secondary Education (p. 1560)
- Special Education (p. 1560)

Certificates

- Autism (p. 1560)
- Behavioral Disorders/Positive Behavioral Support (p. 1561)
- Learning Disabilities/Inclusion (p. 1561)

Doctor of Philosophy (Ph.D.) Major in Developmental Education (Developmental Literacy Concentration)

The Department of Curriculum and Instruction in the College of Education at Texas State offers a Ph.D. in developmental education (DE) that produces researchers, university faculty, and scholars focused on building strong research and theoretical base for DE. The Ph.D. is designed to fill the urgent need for advanced research in an emerging field that serves those who are underprepared for postsecondary education.

Mission Statement

The doctoral program in developmental education within the Department of Curriculum and Instruction prepares future scholars, researchers, leaders, administrators, instructors, and practitioners in the field of developmental education. Both rigorous and supportive, the program aims to advance theory, research, and practice in multiple areas of developmental education — including developmental literacy, learning support, and developmental mathematics — by actively engaging students in teaching, scholarship, and professional service. As a multidisciplinary program, the faculty, staff, and students work collaboratively across various academic disciplines, diverse communities, and geographic boundaries.

Educational Goal

Major educational objectives for the programs include the following:

- To prepare DE professionals who engage in divergent and critical thinking, are culturally competent, and are skilled in maximizing technology applications for learning and communication;
- To prepare DE professionals who understand and can respond to the nature and needs of students who enroll in DE programs; the complexities of motivation, teaching, learning, and assessment in DE settings; the cultural, political, and social systems that create inequities in educational settings; and the structure and management of DE programs;
- To prepare DE professionals with sophisticated research skills that will enable them to critically evaluate DE programs and practices and implement research agendas that will inform practice and policy;
- To prepare DE professionals who will serve as leaders in the DE profession who can engage in institutional leadership, program administration, and innovative program development and evaluation that will promote systemic change and improvement.

Advising

Advising takes three forms: the initial advisor, the program mentor, and the dissertation advisor. When students are first admitted, they are assigned an initial advisor who mentors them from entry through their first year benchmarks in the program. By the end of the first year, students formally ask a faculty member to be their program mentor who advises them from the end of their first year until their comprehensive exams. At a time no later than the completion of their comprehensive exams, students then select a dissertation advisor who is the chair of their dissertation committee, which must be formed at that time. These advising roles can be assumed by the same faculty member or different faculty members depending on students' research interests and foci.

In their first term, students will construct a program plan with the assistance of their initial advisor. The program plan is a focused, detailed description of the doctoral student's proposed course work, specialization, and goals for the doctoral program. The program plan will be submitted to the doctoral program plan committee for approval and suggestions. The program plan must include the following:

- goal statement that includes doctoral study goals (including specialization) and future professional goals
- professional curriculum vitae
- course work plan. This is the appropriate place for petitioning for course transfer for graduate work done previously (there is a 5-year time limit on any course work counting toward candidacy).

The student should work with their advisor for direction while completing the program plan prior to submitting it to the program plan committee. It is due to the program plan committee by November 15 in the fall term of the student's first year of study. After the program plan committee reviews the student's program plan, a meeting may be scheduled with the student for further review of the plan.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree in a field relevant to developmental education from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA (on a 4.0 scale) in all completed graduate course work
- official GRE (general test only) with competitive scores in the verbal reasoning, quantitative reasoning, and analytical writing sections
- resume/CV
- statement of purpose (500 words) demonstrating the student's research interest and goals as a developmental educator and potential to contribute to the advancement of scholarly work in the field of developmental education. Students should discuss relevant teaching, research, and/or policy experience as well as clear evidence of a commitment to research and scholarship.
- three letters of recommendation addressing the student's professional and academic background

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Developmental Education concentration in Developmental Literacy requires 66 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
DE 7301	Understanding Developmental Education Learners in a Diverse Society	3
DE 7302	Policy and Politics in Developmental Education	3
DE 7303	Teaching and Learning in Developmental Education	3
DE 7305	Multicultural Education in a P-16 Context	3
CI 7101	Introduction to the Research Experience (Taken three times)	3
CI 7302	Research Methods and Measurement in Education	3
CI 7351	Beginning Quantitative Research Design and Analysis	3

CI 7352	Beginning Qualitative Design and Analysis	3
CI 7386	Directed Research	3
Choose 9 hours from the following:		9
CI 7353	Intermediate Quantitative Research Design and Analysis	
CI 7354	Intermediate Qualitative Design and Analysis	
CI 7358	Theoretical and Conceptual Frameworks in Qualitative Research	
CI 7359	Seminar in Quantitative Research	
Concentration		
Choose 15 hours from the following:		15
RDG 7301	Theory and Research of Literacy	
RDG 7302	Theory and Research of College Basic Literacy	
RDG 7303	Theory and Research of College Academic Literacy	
RDG 7304	Theory and Research of Literacy Instruction for Culturally and Linguistically Diverse Readers	
RDG 7305	Theory and Research of College Literacy Assessment	
RDG 7306	Literacy Research Seminar	
RDG 7372	Theory and Research of New Literacies Studies in Developmental Education	
RDG 7373	Community Literacies	
ENG 7300	Language Problems in a Multicultural Environment	
ENG 7316	Foundations in Rhetoric and Composition	
ENG 7317	Specializations in Rhetoric and Composition	
ENG 7326	Contemporary Composition Theory	
ENG 7383	Studies in Rhetorical Theory	
Electives		
Choose3 hours from the following:		3
CI 7303	Educational and Psychological Measurement and Assessment	
CI 7326	Grant Development and Management	
CI 7355	Mixed Methods in Research and Evaluation	
CI 7360	Designing Educational Research	
DE 7304A	Curriculum Design in Developmental Education	
DE 7304B	Theory and Research of Digital Literacies	
DE 7321	The Community College	
DE 7322	Learning Support Centers in Postsecondary Settings	
DE 7323	Academic Support for Students with Learning Disabilities	
DE 7324	Teaching Learning Strategies and Critical Thinking	
DE 7325	Advising, Coaching, and Mentoring Learners in Postsecondary Education	
DE 7380	Managing Developmental Education Programs	
DE 7390	Nature of Educational Inquiry	
MATH 7188	Seminar in Mathematics Education	
MATH 7302	History of Mathematics	
MATH 7306	Current Research in Math Education	
MATH 7366A	Teaching Post-Secondary Students (Developmental Math, Service Courses, and Majors)	
MATH 7366E	Developmental Mathematics Curriculum	
MATH 7378E	Developmental Mathematics Perspectives	
MATH 7386	Independent Study in Mathematics Education	
MATH 7396	Mathematics Education Research Seminar	
Dissertation		
Choose a minimum of 12 hours from the following:		12
DE 7199	Dissertation	
DE 7299	Dissertation	
DE 7399	Dissertation	
DE 7599	Dissertation	
DE 7699	Dissertation	
DE 7999	Dissertation	
Total Hours		66

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Application for Advancement to Candidacy

Once all course work (except for dissertation course work) has been completed, the comprehensive exams have been passed, and the dissertation proposal has been successfully defended, doctoral students will apply for advancement to candidacy. Candidacy must be achieved within five (5) years of initiating program course work. No credit will be applied toward the doctoral degree for course work completed more than five (5) years before the date on which the student is advanced to candidacy. This time limit applies toward credit earned at Texas State as well as credit transferred to Texas State from other accredited institutions. Requests for a time extension must be made to the program, which in turn submits a recommendation to The Graduate College. Achieving doctoral candidacy allows the student to begin doctoral dissertation research. Candidacy forms are found here: http://www.gradcollege.txstate.edu/Fac_Resources/Forms.html.

Grade-Point Requirements for Advancement to Candidacy

To be eligible for advancement to candidacy, the student must have a minimum GPA of 3.0. No grade earned below a "B" on any graduate course may apply toward a doctorate at Texas State. Incomplete grades must be cleared through The Graduate College before a student can be approved for advancement to candidacy.

Comprehensive Exams

All students in the Doctoral Program in Developmental Education are required to pass a Comprehensive Examination at the conclusion of coursework, prior to moving into the dissertation phase of the program. The purposes of this exam are to demonstrate mastery of the coursework content and preparation for independent research. Ideally, this process will begin during students' last semester of coursework, and will be completed before the conclusion of the semester following.

Students will first discuss an overall problem or issue and focus with their adviser for initial approval. Students will then form a comprehensive exam committee that is comprised of, at least, their adviser (as Chair) and two other faculty members from the Developmental Education program. Once the committee is formed, students will complete a prospectus and arrange a prospectus meeting.

The prospectus meeting will consist of a brief oral presentation (student) and questions posed by committee members. The prospectus will be evaluated in terms of its appropriateness for the comprehensive exam and the feasibility of the proposed work. Students will either be granted approval to proceed with the exam or will be asked to revise and resubmit at the conclusion of the prospectus meeting. Once the prospectus is approved, students are cleared to begin working on the entire exam. When the exam is complete, students will distribute the finished product to the entire committee all at once and schedule an exam oral defense.

Dissertation Proposal

At a time no later than the completion of their comprehensive exams, students must select a dissertation advisor. After selecting their dissertation advisor, and before beginning their dissertation proposal, students will form a dissertation committee that will provide technical support for the inception, conduct, and completion of the dissertation research study and evaluate the final product. The student will undertake the research and write the dissertation under the guidance of their dissertation advisor. The dissertation proposal must be successfully defended and approved by the dean of The Graduate College before a student can be advanced to candidacy. Information about the dissertation procedures can be found in the Dissertation tab.

Students must submit the dissertation proposal and one copy of the official "Dissertation Proposal form" (available on The Graduate College website) to the dissertation advisor. After obtaining committee members' signatures, the student must submit the dissertation proposal and dissertation proposal form to the program director for signature. The form also requires evidence of the IRB approval for any research involving human subjects. The program director will then forward the dissertation proposal and form through the department chair to the dean of The Graduate College for final approval. Final approval must be received before proceeding with the defense of the dissertation proposal. The Dissertation Proposal form may be obtained from The Graduate College website.

Defense of the Dissertation Proposal

Students must defend the dissertation proposal in a meeting that begins with a public presentation and continues with an oral examination by the dissertation committee. The examination will address the proposed dissertation topic (problem definition and scope), relevant literature, and research method. The dissertation committee must sign the "Defense of the Dissertation Proposal form" to indicate approval and then submit the form for the signature of the doctoral program director and the department chair. The approved Defense of the Dissertation Proposal form must be forwarded to the dean of The Graduate College. The dissertation proposal must be approved and the Defense of the Dissertation Proposal form must be on file in the office of The Graduate College before any student can advance to candidacy and begin dissertation research.

Recommendation for Advancement to Candidacy

The dissertation committee recommends the applicant for advancement to candidacy to the doctoral program director, the department chair, and the dean of The Graduate College. The dean of The Graduate College certifies the applicant for advancement to candidacy once all requirements have been met. To be eligible for admission to candidacy the student must have successfully completed the comprehensive exam, completed all course work, and successfully defended the dissertation proposal.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must be an original contribution to scholarship and the result of independent investigation in a significant area. Preparation of the dissertation must follow the latest edition of the *Publication Manual of the American Psychological Association*.

Dissertation Enrollment Requirements

Any time a student is receiving official guidance on the dissertation, the student must be enrolled in a dissertation course. A student must maintain continuous enrollment in dissertation hours every term from the time they advance to candidacy until the dissertation is defended and approved. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred. Students must enroll in a minimum of 12 dissertation credit hours.

Dissertation Time Limit

Students must complete the dissertation within five (5) years of advancement to candidacy. The student's dissertation advisor, with the student's dissertation committee, will review the student's progress annually.

Dissertation Advisor and Dissertation Committee

The dissertation committee must be composed of four approved doctoral graduate faculty members. The doctoral student must select a minimum of four committee members, one of which must be outside the program. The chair of the dissertation committee must be from the program. All committee members must hold at least associate doctoral faculty status, and chairs must hold core doctoral faculty status. To form the dissertation committee, the "Dissertation Committee Request form" must be completed and signed by the student, committee members, committee chair, doctoral program director, and the department chair and then forwarded to the dean of The Graduate College for approval and signature. The required Dissertation Committee Request form may be obtained from The Graduate College website.

Committee Changes

Any changes to the dissertation committee must be submitted for approval to the dissertation advisor, the doctoral program director, the department chair, and the dean of The Graduate College. Changes must be submitted no less than sixty (60) days before the final dissertation defense. The "Dissertation Advisor/Committee Member Change Request form" may be obtained from The Graduate College website.

Defense of the Dissertation

All dissertations must meet the following requirements as judged by the student's dissertation committee:

1. a systematic investigation of a problem,
2. informed by previous theory and research,
3. that adds to the body of knowledge in the area of investigation, and
4. is presented in a form capable of dissemination to scholars and practitioners.

Students must pass the final oral examination that covers the dissertation and the general field of the dissertation. Students must defend the dissertation in a meeting that begins with a public presentation and continues with an oral exam by the dissertation committee. Before scheduling the final oral exam, the student must have received approval of the dissertation advisor. A completed "Dissertation Defense Report form" must be submitted according to the schedule posted by the dean of The Graduate College and no later than ten days before the date of graduation. The student must complete all aspects of the dissertation, including successful defense and submission of the dissertation to The Graduate College, within five (5) years of advancement to candidacy.

Approval and Submission of the Dissertation and Abstract

The approval of the dissertation requires positive votes from the dissertation advisor and from a majority of the dissertation committee members. Once the committee has approved the dissertation, one copy of the dissertation and the signed "Committee Approval form" must be submitted to the dean of The Graduate College for final approval. Refer to the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation* for specific guidelines.

Doctoral level courses in Developmental Education: CI (p.), DE (p.), ENG (p. 1105), MATH (p. 1105), RDG (p. 1110)

Courses Offered

Curriculum and Instruction (CI)

CI 7101. Introduction to the Research Experience.
This course is designed to introduce students to the department and to the ongoing research activities of its faculty. Emphasis is placed on identifying and coordinating opportunities for joint research and scholarship among faculty and students. Students must enroll in the course for three semesters before dissertation.
1 Credit Hour. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7302. Research Methods and Measurement in Education.
This course provides a comprehensive introduction to educational research with a focus on research design, research methods and methodology, and fundamental measurement issues in quantitative, qualitative, and mixed-methods research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7303. Educational and Psychological Measurement and Assessment.
Philosophical and empirical foundations of measurement, assessment, testing, and evaluation. Topics include philosophical and mathematical foundations in research; empirical levels and measurement description; test construction; observational rating scales; measurement interpretation; social, legal, and ethical implications; item analysis/refinement for scale performance; reliability and validity evidence; and standardized and placement tests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7310. Teaching in College.
Teaching strategies for teaching/instructional assistants focused on creating syllabi, adapting to diverse student populations, collaborating with colleagues and staff; implementing active learning strategies; fostering assigned reading; assessing learning; and integrating technology. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CI 7326. Grant Development and Management.
Course focuses on developing competitive grant proposals and understanding grant management resources. Strategies will encompass locating funding sources, evaluating proposals, developing proposals and budgets, and methods of meeting accountability requirements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7351. Beginning Quantitative Research Design and Analysis.
This course introduces students to quantitative research design and analysis. Topics include descriptive statistics; sampling techniques; statistical inference, including the null hypothesis, significance tests, and confidence intervals; and causal-comparative analyses, including t-test and ANOVA. Departmental Approval required. Prerequisite or concurrent enrollment in: CI 7302 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7352. Beginning Qualitative Design and Analysis.
This course introduces students to the qualitative paradigm. Topics include distinctive features, alternative qualitative traditions, purposeful sampling, common data collection methods, inductive analysis, the role of the researcher, and evaluating qualitative research. Prerequisite: CI 7302 with a grade of "B" or better, or can be taken concurrently. Departmental approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7353. Intermediate Quantitative Research Design and Analysis.
This course focuses on intermediate quantitative research design and statistical methods of data analysis related to problems in education, psychology, sociology, and biological sciences. The general linear model based univariate and selected multivariate statistical techniques are examined including theory/purpose, logic, practical implications, and interpretation of various analytic techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7354. Intermediate Qualitative Design and Analysis.
This course focuses on issues in design and implementation of qualitative research. Topics include influence of alternative traditions, literature in qualitative research, access to the field and ethical issues, researcher-participant relationships, purposeful sampling strategies, inductive analysis procedures, developing theory, and reporting research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7355. Mixed Methods in Research and Evaluation.
This course will cover mixed methods research designs that can be used in the evaluation of educational interventions and programs. Topics include mixed methods research designs; program evaluation models; quantitative and qualitative data analysis and interpretation; reading mixed methods research articles; and writing mixed methods research proposals and evaluation reports. Prerequisite: CI 7351 and CI 7352 all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7358. Theoretical and Conceptual Frameworks in Qualitative Research.
Intended for those versed in current paradigmatic and epistemological states of human inquiry, presenting an opportunity to design a research project and to address the major issues of a research career. Prerequisites: ED 7352, ED 7354.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7359. Seminar in Quantitative Research.
This course is a small group seminar that focuses on analytic strategies specific to the doctoral student's dissertation topic. Examples include structural equation modeling, hierarchical linear modeling, log linear modeling, non-parametric analyses, factor analysis, factorial analysis of variance, and other multivariate statistical methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7360. Designing Educational Research.
Students identify problems in developmental education and develop a strategic proposal to apply to these problems. Students, then, create an evaluation plan to assess the implementation of their proposal. Students develop skills in critiquing research reports and in synthesizing research from developmental education. Prerequisite: ED 7353 or ED 7354.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7378. Independent Study.
Individual problems or topics will be designed and completed to emphasize selected areas of study in the Department of Curriculum and Instruction. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7386. Directed Research.
Students will participate in an authentic research experience, either by working as part of a doctoral faculty member's research team or developing an original research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7389A. Topics in Instructional Technology.
This topic offers an in-depth study of systematic instructional design emphasizing the selection and use of appropriate media for delivering instruction to maximize student learning. Special emphasis in this topic is on the leader's role in influencing the use of technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CI 7389C. Special Topics: Race Theory in Educational Research.
This course will explore racial theories and paradigms applicable to the study of race in K-20 educational settings. Students will analyze foundational scholarship in the formation of racial theories, research methodology, key tenets of race research, and literature pertinent to current trends in educational research regarding race.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Developmental Education (DE)

DE 7199. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7299. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7301. Understanding Developmental Education Learners in a Diverse Society.
This course identifies the evolution, characteristics, demographics, and needs of developmental education learners. Emphasis is placed on understanding internal factors, including the cognitive, affective, and psychosocial needs of these students, as well as on analyzing external factors, including the social, political and institutional forces that impact developmental learners' educational experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7302. Policy and Politics in Developmental Education.
This course addresses the policy and politics of planning, funding, implementing, and evaluating Developmental Education programs in postsecondary education. Readings and discussions focus on current and historical issues relevant to addressing the academic needs of educationally disadvantaged students from the perspective of researchers, program directors, policy analysts, and instructors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7303. Teaching and Learning in Developmental Education.
The course focuses on the institutional development, intellectual development, learner development, and self-development for effective teaching and learning in developmental education. Topics include instructional and learner theories, pedagogies, assessment and evaluation techniques, and best practices for instruction and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7304A. Curriculum Design in Developmental Education.
This course focuses on principles and processes of curriculum design and implementation in developmental education contexts, including examination of emerging research and issues. The course pedagogy also engages students in independent curriculum research, planning, and problem-solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

DE 7304B. Theory and Research of Digital Literacies.
This course focuses on understanding the complex relationships between technology, teaching, and learning in varied developmental education environments. Tools and strategies for planning, integrating, and assessing technology-supported instruction are explored within frameworks linking theory to practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

DE 7304C. Student Motivation and Self-Regulation.
This course focuses on research-based theories of student motivation and self-regulation and highlights practical applications of these theories for students in developmental education contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7304D. Transformative Learning.
This course introduces students to the core principles of transformative learning. The course is a theory-driven, project-based advanced class designed to enable students to develop theoretical perspectives, engage in intensive practice, and understand the use of transformative learning for applications with postsecondary individuals, groups, and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7304E. Current Topics in Motivation Intervention Research.
In this course, we will analyze, synthesize, discuss, and apply cutting-edge research on various types of motivation interventions in education. Emphasis will be placed on theory, research, and practice in postsecondary educational settings and developmental education contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7305. Multicultural Education in a P-16 Context.
This course uses critical multicultural framework to trace the evolution of the developmental learner in a P-16 educational system. Students in this examine school practices and policies in an attempt to map the educational trajectory and improve the educational experiences of P-16 underrepresented and underserved students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7321. The Community College.
Introduction to community college and to its roles and functions in American education. Special attention will be directed to evolution, development and patterns of organization, purposes, programs, personnel and current issues of the community college.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7322. Learning Support Centers in Postsecondary Settings.
The course explores the learning assistance movement in postsecondary settings including its history, leaders, and current research. Topics include program planning; leadership, organization, and management; human and financial resources; facilities and equipment; legal responsibilities; equal opportunity and access; diversity; ethics; campus and community relations; and assessment and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7323. Academic Support for Students with Learning Disabilities.
The course focuses on Learning Disabilities (LD) and Executive Function (EF) Disorders and their nature, prevalence, and significance in postsecondary environments. Topics include theories about the origins and nature of LD and EF, development across the lifespan, characteristics of individuals, and approaches to service, delivery and teaching.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking skills in the college and adult classroom. Topics will include variables in teaching and learning, methods of assessment, and approaches to instruction. Students who have taken EDP 5371 or DAE 5371 cannot take this course for doctoral credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7325. Advising, Coaching, and Mentoring Learners in Postsecondary Education.
The course will focus on theories and techniques of academic advising, coaching, and mentoring skills for learners enrolled in postsecondary education. Didactic and experiential activities will provide students enrolled in the course with opportunities to learn and practice skill development within these academic support programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7380. Managing Developmental Education Programs.
In this course, students will learn the theoretical and practical elements of management of developmental education programs in higher education. Readings and discussions focus generally on best practices in higher education leadership and specifically on best practices in leadership and management in developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7381. Practicum.
A 150-clock hour, one-semester practical experience in an institution or agency other than one's own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities to include program planning, management, budgeting, and/or evaluation.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 7390. Nature of Educational Inquiry.
Current paradigmatic and epistemological states of human inquiry are discussed presenting an opportunity to examine educational inquiry, create research knowledge related to the current state of the academy, and examine the issues of a research career.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7399. Dissertation.
Original research and writing in Developmental Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7599. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7699. Dissertation.
Original research and writing in Developmental Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7999. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

English (ENG)

ENG 7300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7314. Specializations in Professional and Technical Communication Topics.
Provides theoretical and practical information for specialized types of technical and professional communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7316. Foundations in Rhetoric and Composition.
A course providing students with theoretical, pedagogical, and/or methodological foundations in the field of rhetoric and composition. Emphases vary but may include Contemporary Composition Pedagogy, Basic Writing Theory and Practice, and Writing Assessment. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7317. Specializations in Rhetoric and Composition.
A course providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Across the Curriculum, Service Learning, Writing Center Theory and Practice, Computers and Writing, Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Techinical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Mathematics (MATH)

MATH 7111. Seminar in Teaching.
Seminar on individual study projects concerned with selected problems in the teaching of mathematics. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 7187. Seminar in Mathematics.
Students are required to attend weekly research seminars in mathematics and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7188. Seminar in Mathematics Education.
Students are required to attend weekly research seminars in Mathematics Education and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7199A. Dissertation.
Original research and writing in Mathematics Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7299A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7301. Studies in Mathematics.
This course provides basic foundations in Mathematics for students entering the doctoral program in Mathematics Education. This course may be repeated. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 7302. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7303. Analysis I.
This course covers foundations of modern analysis. Topics include: sequences, LimSup, LimInf, Sigma Algebras of sets that include open and closed sets, sequences of functions, pointwise and uniform convergence, lower and upper semi-continuity, Borel sets, outer measure, and Lebesgue measure. Prerequisite: MATH 4315.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7306. Current Research in Math Education.
This course surveys the various current social, political, and economic trends in local, state, national, and international settings that are related to research in Mathematics Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7307. Algebra I.
Applications of Algebra and topics in modern algebra, including permutation groups, symmetry groups, Sylow theorems, and select topics from Ring Theory. Prerequisite: MATH 4307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7309. Topology I.
A course in point-set topology emphasizing topological spaces, continuous functions, connectedness, compactness, countability, separability, metrizability, CWcomplexes, simplicial complexes, nerves, and dimension theory. Prerequisite: MATH 4330.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7313. Analysis II.
This course covers the theory of integration with special emphasis on Lebesgue integrals. Topics include: Lebesgue integral, Bounded Convergence theorem, differentiation and integration, absolute continuity, and Lp spaces. Prerequisite: Math 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7317. Algebra II.
A study of the important algebraic structures of rings and fields. Topics covered include rings, ideals, modules, polynomial rings, Euclidean algorithm, finite fields, and field extensions. Topics also include an introduction to Galois Theory with an emphasis on the geometric applications. Prerequisite: MATH 7307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7319. Topology II: Algebraic Topology.
This course covers the fundamental concepts and tools of algebraic topology. Topics include the fundamental group, covering spaces, homotopy type, the higher homotopy groups, singular homology theory, and the computation of homology groups via exact sequences and applications. Prerequisite: MATH 7307 and MATH 7309.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7321. Graph Theory.
Topics in this course include trees, connectivity of graphs, Eulerian graphs, Hamiltonian graphs, planar graphs, graph coloring, matchings, factorizations, digraphs, networks, and network flow problems. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7324. Curriculum Design & Analysis.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques that are related to curriculum design in Mathematics Education for grade levels P-16.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7325. Statistics 1.
A study of the mathematical and probabilistic underpinnings of the techniques used in statistical inference. Topics covered include sampling, sampling distributions, confidence intervals, and hypothesis testing with an emphasis on both simulations and derivations. Prerequisite: Math 2321 and Math 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7328. Instructional Techniques & Assessments.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques of instruction in Mathematics Education and the related assessment procedures for each for grade levels P-20.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7331. Combinatorics.
This course is a study of fundamental principles of combinatorics. Topics include: permutations and combinations, the Pigeonhole principle, the principle of inclusion-exclusion, binomial and multinomial theorems, special counting sequences, partitions, posets, extremal set theory, generating functions, recurrence relations, and the Polya theory of counting. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7335. Statistics II: Linear Modeling.
A study of the formulation and statistical methodologies for fitting linear models. Topics include the general linear hypothesis, least-squares estimation, Gauss-Markov theorem, assessment of model fit, effects of departures from assumptions, model design, and criteria for selection of optimal regression models. Prerequisite: MATH 3377 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7346. Quantitative Research Analysis in Mathematics Education.
This course surveys the various research techniques used in quantitative analysis for mathematics education and covers topics such as experimental design, statistical analysis, and use of appropriate design methodologies to achieve the strongest possible evidence to support or refute a knowledge claim. Prerequisite: MATH 7306 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7356A. Advanced Quantitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in quantitative research. Prerequisite: MATH 7346.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7356B. Advanced Qualitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in qualitative research. Prerequisite: ED 7352 or CI 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7356C. Action Research in Mathematics Education.
This course examines underlying theory and issues in action research model and the development of action research projects. Prerequisites: MATH 7346 or ED 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7361. Seminar in Advanced Mathematics.
Material in course will vary with the interest of students and faculty. A detailed study of subject matter may be chosen from advanced areas of analysis; algebra; topology and geometry; applied mathematics; and probability and statistics. This course is repeatable for credit when subject matter varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7366A. Teaching Post-Secondary Students (Developmental Math, Service Courses, and Majors).
This course examines how to develop and teach post-secondary students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisites: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366B. Teaching K-12 Students (Elementary, Middle School, and High School).
This course examines how to develop and teach K-12 students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366C. Teaching Teachers (In-Service; Pre-Service).
This course examines how to prepare teachers of mathematics. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366D. Teaching Specialized Content.
This course will be an in-depth study of a specialized content area in mathematics with an emphasis on teaching. The specific content area will vary by instructor. Examples include Euclidean Simplex Geometry and Discrete Probability Spaces with Implications for Public School Curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366E. Developmental Mathematics Curriculum.
This course surveys the research, development, and evaluation of the scope and sequence of developmental mathematics curriculum. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7366F. Research in Undergraduate Mathematics Education I.
Students will develop the requisite knowledge to become a good consumer of Research in Undergraduate Mathematics Education (RUME) research. The course will cover the theoretical underpinnings of current and historic RUME research. Students will develop the knowledge to understand relevant theoretical stances and the role they play in research. Prerequisite: Math 7306 or permission from the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7371A. Advanced Graph Theory.
Topics in this course include Turan's problems, Ramsey theory, random graph theory, extremal graph theory, algebraic graph theory, domination of graphs, distance problems, and applications. Prerequisite: MATH 7321.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371B. Advanced Combinatorics.
Topics in this course include Block designs, Latin squares, combinatorial optimization problems, coding theory, matroids, difference sets, and finite geometry. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371C. Combinatorial Number Theory.
A study of fundamental techniques in combinatorial number theory. Topics will include Waring's problem, additive number theory, and probabilistic methods in number theory. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371D. Discrete Optimization.
A study of some fundamental techniques in discrete optimization. Topics include discrete optimization, linear programming, integer programming, integer nonlinear programming, dynamic programming, location problem, scheduling problem, transportation problem, postman problem, traveling salesman problem, matroids, and NP-completeness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371E. Algorithms and Complexity.
A study of some fundamental concepts of computability and complexity. Topics include polynomially bounded problems, NP-complete problems, exponentially hard problems, undecidable problems, and reducibility. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371F. Probabilistic Methods in Discrete Mathematics.
A study of some fundamental probabilistic techniques used to solve problems in graph theory, combinatorics, combinatorial number theory, combinatorial geometry, and algorithm. Topics include linearity of expectation, alterations, second moment, local lemma, correlation inequalities, martingales, Poisson paradigm, and pseudo-randomness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371G. Applied Discrete Mathematics.
This course introduces fundamental concepts in logic, Boolean algebra, and binomial coefficients; and applications in different fields such as complexity of algorithms and network theory. Prerequisites: MATH 2472 and MATH 4307, all with a grade of “C” or better, or with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371H. Combinatorial Networks.
Combinatorial Networks is an area of study of certain types of networks using combinatorial methods extensively. This course introduces fundamental basics as well as the latest development in this area of research. Prerequisite: MATH 5307/7307 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375C. Time Series Analysis.
A study of the theory of time-dependent data. The analysis includes modeling, estimation, and testing; alternating between the time domain; using autoregressive and moving average models and the frequency domain; and using spectral analysis. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375D. Advanced linear Modeling.
The course provides an extension of regression methodology to more general settings where standard assumptions for ordinary least squares are violated. Topics include generalized least squares, robust regression, bootstrap, regression in the presence of autocorrelated errors, generalized linear models, and logistic and Poisson regression. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378A. Problem Solving, Reasoning, and Proof.
A study of the fundamental concepts of problem solving, logic, set theory, and mathematical proof and applications of these concepts in mathematics curriculum for grades P-20. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378B. Connecting and Communicating Math.
This course examines one of the basic principles involved in mathematics education: Connecting and Communicating Mathematics. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378C. Representing Fundamental Math Ideas (Function, Data Analysis, and Enumeration).
This course examines the basic principles involved in mathematics education. The process of representing fundamental mathematical ideas will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378D. Math Technologies.
This course examines the basic principles involved in mathematics education: Technology. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378E. Developmental Mathematics Perspectives.
This course examines developmental mathematics-specific strands including technological course support and placement tools/decisions. Issues related to the first mathematics core course required of undergraduates will aslo be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7378F. Research on Mathematical Problem Solving in Secondary Schools.
In this course a careful study is made of elementary techniques for problem solving in a variety of domains, including algebra, number theory, combinatorics, geometry, and logic puzzles. Students will learn these techniques by actually working on a collection of problems in each of these areas. Students will read and examine research about various aspects of problem solving and research in math education that includes both teacher training and student learning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7378G. Discourse Processes, Traditions, and Analysis in Mathematics Education.
Discourse and discourse analysis have been used to answer research questions across disciplines throughout the humanities and social sciences. This course will focus on theory and methods for the analysis of discourse in mathematical settings. We will learn how different approaches to discourse are used to understand mathematics learning. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7385. Independent Study in Mathematics.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of mathematics. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7386. Independent Study in Mathematics Education.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of Mathematics Education. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7389. Internship.
Students will work under the supervision of a faculty member to gain practical knowledge in Mathematics Education. Student experience can come from industry, government agencies, or other sources but must directly apply to furthering knowledge of mathematics education or its application.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7396. Mathematics Education Research Seminar.
Collaborative research projects with faculty through identifying an educational issue, reviewing literature, creating a research question, designing a methodology, analyzing data, drawing conclusions, implications, and creating a draft of a publishable paper. Prerequisite: MATH 7356, and ED 7352 or MATH 7346, all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7399A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7599A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7699A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7999A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 7301. Theory and Research of Literacy.
This course examines the current theories and basic research of literacy development from psychological, cultural, linguistic, educational, and epistemological frameworks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7302. Theory and Research of College Basic Literacy.
This course examines basic literacy needs and instructional strategies for students within post-secondary institutions. Explored are etiologies; comparison of basic to academic literacy; analysis of instructional strategies and materials for developing phonemic awareness, decoding, vocabulary, fluency, and comprehending in single sources of information. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7303. Theory and Research of College Academic Literacy.
This course examines basic literacy needs and instructional strategies for students in college. Explored are etiologies; comparison of academic workplace, and new literacies; instructional strategies and materials for developing vocabulary, comprehending, and critical and strategic reading in multiple sources of information. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7304. Theory and Research of Literacy Instruction for Culturally and Linguistically Diverse Readers.
This course examines the historical and contemporary understandings of language acquisition and instruction; foundational knowledge of literacy research and cultural and linguistic difference; instructional practices, including culturally responsive instruction, linguistic differences, and creating supportive literacy environments; curriculum, assessment, and evaluation; and critical literacy perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7305. Theory and Research of College Literacy Assessment.
This course reviews literacy assessment theory, research, policy, and practice in pre-school through grade 20 including accountability, standard-based curriculum, cultural and linguistic effects, assessment driven instruction, reliability and validity, interpretation, and types of instruments: high-staked, placement, diagnostic, classroom tests, and qualitative instruments. Prerequisites: RDG 7301, RDG 7302, RDG 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7306. Literacy Research Seminar.
Doctoral students participate in weekly research seminar that explore research and policy papers in literacy and literacy education, examine their methodolgoy and conclusions, and consider additional research questions. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7307E. Theory, Research and Practice of Disciplinary Literacies.
This course examines core principles of disciplinary literacies. Students will examine the theory, research and pedagogical practices of literacies across the disciplines with an emphasis on understanding the potential for post-secondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 7371. Theory and Research of Postsecondary Integrated Reading and Writing.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7372. Theory and Research of New Literacies Studies in Developmental Education.
This course focuses on the theory and research of New Literacies Studies which affects instructional practice in post-secondary developmental education. It includes an examination of diverse theories and models of multiple digital technology literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7373. Community Literacies.
This course focuses on exploring, understanding, refining, and reflecting on literacy as social practices within a community that informs effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project. Prerequisite: RDG 7301 or RDG 7302 or RDG 7303 all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Doctor of Philosophy (Ph.D.) Major in Developmental Education (Developmental Mathematics Concentration)

The Department of Curriculum and Instruction in the College of Education at Texas State offers a Ph.D. in developmental education (DE) that produces researchers, university faculty, and scholars focused on building strong research and theoretical base for DE. The Ph.D. is designed to fill the urgent need for advanced research in an emerging field that serves those who are underprepared for postsecondary education.

Mission Statement

The doctoral program in developmental education within the Department of Curriculum and Instruction prepares future scholars, researchers, leaders, administrators, instructors, and practitioners in the field of developmental education. Both rigorous and supportive, the program aims to advance theory, research, and practice in multiple areas of developmental education — including developmental literacy, learning support, and developmental mathematics — by actively engaging students in teaching, scholarship, and professional service. As a multidisciplinary program, the faculty, staff, and students work collaboratively across various academic disciplines, diverse communities, and geographic boundaries.

Educational Goal

Major educational objectives for the programs include the following:

- To prepare DE professionals who engage in divergent and critical thinking, are culturally competent, and are skilled in maximizing technology applications for learning and communication;
- To prepare DE professionals who understand and can respond to the nature and needs of students who enroll in DE programs; the complexities of motivation, teaching, learning, and assessment in DE settings; the cultural, political, and social systems that create inequities in educational settings; and the structure and management of DE programs;
- To prepare DE professionals with sophisticated research skills that will enable them to critically evaluate DE programs and practices and implement research agendas that will inform practice and policy;
- To prepare DE professionals who will serve as leaders in the DE profession who can engage in institutional leadership, program administration, and innovative program development and evaluation that will promote systemic change and improvement.

Advising

Advising takes three forms: the initial advisor, the program mentor, and the dissertation advisor. When students are first admitted, they are assigned an initial advisor who mentors them from entry through their first year benchmarks in the program. By the end of the first year, students formally ask a faculty member to be their program mentor who advises them from the end of their first year until their comprehensive exams. At a time no later than the completion of their comprehensive exams, students then select a dissertation advisor who is the chair of their dissertation committee, which must be formed at that time. These advising roles can be assumed by the same faculty member or different faculty members depending on students' research interests and foci.

In their first term, students will construct a program plan with the assistance of their initial advisor. The program plan is a focused, detailed description of the doctoral student's proposed course work, specialization, and goals for the doctoral program. The program plan will be submitted to the doctoral program plan committee for approval and suggestions. The program plan must include the following:

- goal statement that includes doctoral study goals (including specialization) and future professional goals
- professional curriculum vitae
- course work plan. This is the appropriate place for petitioning for course transfer for graduate work done previously (there is a 5-year time limit on any course work counting toward candidacy).

The student should work with their advisor for direction while completing the program plan prior to submitting it to the program plan committee. It is due to the program plan committee by November 15 in the fall term of the student's first year of study. After the program plan committee reviews the student's program plan, a meeting may be scheduled with the student for further review of the plan.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree in a field relevant to developmental education from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA (on a 4.0 scale) in all completed graduate course work
- official GRE (general test only) with competitive scores in the verbal reasoning, quantitative reasoning, and analytical writing sections
- resume/CV

- statement of purpose (500 words) demonstrating the student's research interest and goals as a developmental educator and potential to contribute to the advancement of scholarly work in the field of developmental education. Students should discuss relevant teaching, research, and/or policy experience as well as clear evidence of a commitment to research and scholarship.
- three letters of recommendation addressing the student's professional and academic background

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Developmental Education concentration in Developmental Mathematics requires 66 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
DE 7301	Understanding Developmental Education Learners in a Diverse Society	3
DE 7302	Policy and Politics in Developmental Education	3
DE 7303	Teaching and Learning in Developmental Education	3
DE 7305	Multicultural Education in a P-16 Context	3
CI 7101	Introduction to the Research Experience (Taken three times)	3
CI 7302	Research Methods and Measurement in Education	3
CI 7351	Beginning Quantitative Research Design and Analysis	3
CI 7352	Beginning Qualitative Design and Analysis	3
CI 7386	Directed Research	3
Choose 9 hours from the following:		9
CI 7353	Intermediate Quantitative Research Design and Analysis	
CI 7354	Intermediate Qualitative Design and Analysis	
CI 7358	Theoretical and Conceptual Frameworks in Qualitative Research	
CI 7359	Seminar in Quantitative Research	
Concentration		
Choose 15 hours from the following:		15
MATH 7188	Seminar in Mathematics Education	
MATH 7302	History of Mathematics	
MATH 7324	Curriculum Design & Analysis	
MATH 7328	Instructional Techniques & Assessments	
MATH 7366A	Teaching Post-Secondary Students (Developmental Math, Service Courses, and Majors)	
MATH 7366E	Developmental Mathematics Curriculum	
MATH 7378A	Problem Solving, Reasoning, and Proof	
MATH 7378B	Connecting and Communicating Math	
MATH 7378E	Developmental Mathematics Perspectives	
MATH 7386	Independent Study in Mathematics Education	
MATH 7396	Mathematics Education Research Seminar	
Electives		
Choose 3 hours from the following:		3
CI 7303	Educational and Psychological Measurement and Assessment	
CI 7326	Grant Development and Management	
CI 7355	Mixed Methods in Research and Evaluation	
CI 7360	Designing Educational Research	
DE 7304A	Curriculum Design in Developmental Education	
DE 7304B	Theory and Research of Digital Literacies	
DE 7321	The Community College	
DE 7322	Learning Support Centers in Postsecondary Settings	
DE 7323	Academic Support for Students with Learning Disabilities	
DE 7324	Teaching Learning Strategies and Critical Thinking	
DE 7325	Advising, Coaching, and Mentoring Learners in Postsecondary Education	
DE 7380	Managing Developmental Education Programs	
DE 7390	Nature of Educational Inquiry	
ENG 7300	Language Problems in a Multicultural Environment	
ENG 7316	Foundations in Rhetoric and Composition	
ENG 7317	Specializations in Rhetoric and Composition	
ENG 7326	Contemporary Composition Theory	
ENG 7383	Studies in Rhetorical Theory	
RDG 7301	Theory and Research of Literacy	
RDG 7302	Theory and Research of College Basic Literacy	
RDG 7303	Theory and Research of College Academic Literacy	
RDG 7304	Theory and Research of Literacy Instruction for Culturally and Linguistically Diverse Readers	
RDG 7305	Theory and Research of College Literacy Assessment	
RDG 7306	Literacy Research Seminar	
RDG 7372	Theory and Research of New Literacies Studies in Developmental Education	
RDG 7373	Community Literacies	
Dissertation		
Choose a minimum of 12 hours from the following:		12
DE 7199	Dissertation	
DE 7299	Dissertation	
DE 7399	Dissertation	
DE 7599	Dissertation	
DE 7699	Dissertation	
DE 7999	Dissertation	
Total Hours		66

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Application for Advancement to Candidacy

Once all course work (except for dissertation course work) has been completed, the comprehensive exams have been passed, and the dissertation proposal has been successfully defended, doctoral students will apply for advancement to candidacy. Candidacy must be achieved within five (5) years of initiating program course work. No credit will be applied toward the doctoral degree for course work completed more than five (5) years before the date on which the student is advanced to candidacy. This time limit applies toward credit earned at Texas State as well as credit transferred to Texas State from other accredited institutions. Requests for a time extension must be made to the program, which in turn submits a recommendation to The Graduate College. Achieving doctoral candidacy allows the student to begin doctoral dissertation research. Candidacy forms are found here: http://www.gradcollege.txstate.edu/Fac_Resources/Forms.html.

Grade-Point Requirements for Advancement to Candidacy

To be eligible for advancement to candidacy, the student must have a minimum GPA of 3.0. No grade earned below a "B" on any graduate course may apply toward a doctorate at Texas State. Incomplete grades must be cleared through The Graduate College before a student can be approved for advancement to candidacy.

Comprehensive Exams

All students in the Doctoral Program in Developmental Education are required to pass a Comprehensive Examination at the conclusion of coursework, prior to moving into the dissertation phase of the program. The purposes of this exam are to demonstrate mastery of the coursework content and preparation for independent research. Ideally, this process will begin during students' last semester of coursework, and will be completed before the conclusion of the semester following.

Students will first discuss an overall problem or issue and focus with their adviser for initial approval. Students will then form a comprehensive exam committee that is comprised of, at least, their adviser (as Chair) and two other faculty members from the Developmental Education program. Once the committee is formed, students will complete a prospectus and arrange a prospectus meeting.

The prospectus meeting will consist of a brief oral presentation (student) and questions posed by committee members. The prospectus will be evaluated in terms of its appropriateness for the comprehensive exam and the feasibility of the proposed work. Students will either be granted approval to proceed with the exam or will be asked to revise and resubmit at the conclusion of the prospectus meeting. Once the prospectus is approved, students are cleared to begin working on the entire exam. When the exam is complete, students will distribute the finished product to the entire committee all at once and schedule an exam oral defense.

Dissertation Proposal

At a time no later than the completion of their comprehensive exams, students must select a dissertation advisor. After selecting their dissertation advisor, and before beginning their dissertation proposal, students will form a dissertation committee that will provide technical support for the inception, conduct, and completion of the dissertation research study and evaluate the final product. The student will undertake the research and write the dissertation under the guidance of their dissertation advisor. The dissertation proposal must be successfully defended and approved by the dean of The Graduate College before a student can be advanced to candidacy. Information about the dissertation procedures can be found in the Dissertation tab.

Students must submit the dissertation proposal and one copy of the official "Dissertation Proposal form" (available on The Graduate College website) to the dissertation advisor. After obtaining committee members' signatures, the student must submit the dissertation proposal and dissertation proposal form to the program director for signature. The form also requires evidence of the IRB approval for any research involving human subjects. The program director will then forward the dissertation proposal and form through the department chair to the dean of The Graduate College for final approval. Final approval must be received before proceeding with the defense of the dissertation proposal. The Dissertation Proposal form may be obtained from The Graduate College website.

Defense of the Dissertation Proposal

Students must defend the dissertation proposal in a meeting that begins with a public presentation and continues with an oral examination by the dissertation committee. The examination will address the proposed dissertation topic (problem definition and scope), relevant literature, and research method. The dissertation committee must sign the "Defense of the Dissertation Proposal form" to indicate approval and then submit the form for the signature of the doctoral program director and the department chair. The approved Defense of the Dissertation Proposal form must be forwarded to the dean of The Graduate College. The dissertation proposal must be approved and the Defense of the Dissertation Proposal form must be on file in the office of The Graduate College before any student can advance to candidacy and begin dissertation research.

Recommendation for Advancement to Candidacy

The dissertation committee recommends the applicant for advancement to candidacy to the doctoral program director, the department chair, and the dean of The Graduate College. The dean of The Graduate College certifies the applicant for advancement to candidacy once all requirements have been met. To be eligible for admission to candidacy the student must have successfully completed the comprehensive exam, completed all course work, and successfully defended the dissertation proposal.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must be an original contribution to scholarship and the result of independent investigation in a significant area. Preparation of the dissertation must follow the latest edition of the *Publication Manual of the American Psychological Association*.

Dissertation Enrollment Requirements

Any time a student is receiving official guidance on the dissertation, the student must be enrolled in a dissertation course. A student must maintain continuous enrollment in dissertation hours every term from the time they advance to candidacy until the dissertation is defended and approved. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student

must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred. Students must enroll in a minimum of 12 dissertation credit hours.

Dissertation Time Limit

Students must complete the dissertation within five (5) years of advancement to candidacy. The student's dissertation advisor, with the student's dissertation committee, will review the student's progress annually.

Dissertation Advisor and Dissertation Committee

The dissertation committee must be composed of four approved doctoral graduate faculty members. The doctoral student must select a minimum of four committee members, one of which must be outside the program. The chair of the dissertation committee must be from the program. All committee members must hold at least associate doctoral faculty status, and chairs must hold core doctoral faculty status. To form the dissertation committee, the "Dissertation Committee Request form" must be completed and signed by the student, committee members, committee chair, doctoral program director, and the department chair and then forwarded to the dean of The Graduate College for approval and signature. The required Dissertation Committee Request form may be obtained from The Graduate College website.

Committee Changes

Any changes to the dissertation committee must be submitted for approval to the dissertation advisor, the doctoral program director, the department chair, and the dean of The Graduate College. Changes must be submitted no less than sixty (60) days before the final dissertation defense. The "Dissertation Advisor/Committee Member Change Request form" may be obtained from The Graduate College website.

Defense of the Dissertation

All dissertations must meet the following requirements as judged by the student's dissertation committee:

1. a systematic investigation of a problem,
2. informed by previous theory and research,
3. that adds to the body of knowledge in the area of investigation, and
4. is presented in a form capable of dissemination to scholars and practitioners.

Students must pass the final oral examination that covers the dissertation and the general field of the dissertation. Students must defend the dissertation in a meeting that begins with a public presentation and continues with an oral exam by the dissertation committee. Before scheduling the final oral exam, the student must have received approval of the dissertation advisor. A completed "Dissertation Defense Report form" must be submitted according to the schedule posted by the dean of The Graduate College and no later than ten days before the date of graduation. The student must complete all aspects of the dissertation, including successful defense and submission of the dissertation to The Graduate College, within five (5) years of advancement to candidacy.

Approval and Submission of the Dissertation and Abstract

The approval of the dissertation requires positive votes from the dissertation advisor and from a majority of the dissertation committee members. Once the committee has approved the dissertation, one copy of the dissertation and the signed "Committee Approval form" must be submitted to the dean of The Graduate College for final approval. Refer to the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation* for specific guidelines.

Doctoral level courses in Developmental Education: CI (p.), DE (p.), ENG (p. 1118), MATH (p. 1118), RDG (p. 1122)

Courses Offered

Curriculum and Instruction (CI)

CI 7101. Introduction to the Research Experience.
This course is designed to introduce students to the department and to the ongoing research activities of its faculty. Emphasis is placed on identifying and coordinating opportunities for joint research and scholarship among faculty and students. Students must enroll in the course for three semesters before dissertation.
1 Credit Hour. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7302. Research Methods and Measurement in Education.
This course provides a comprehensive introduction to educational research with a focus on research design, research methods and methodology, and fundamental measurement issues in quantitative, qualitative, and mixed-methods research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7303. Educational and Psychological Measurement and Assessment.
Philosophical and empirical foundations of measurement, assessment, testing, and evaluation. Topics include philosophical and mathematical foundations in research; empirical levels and measurement description; test construction; observational rating scales; measurement interpretation; social, legal, and ethical implications; item analysis/refinement for scale performance; reliability and validity evidence; and standardized and placement tests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7310. Teaching in College.
Teaching strategies for teaching/instructional assistants focused on creating syllabi, adapting to diverse student populations, collaborating with colleagues and staff; implementing active learning strategies; fostering assigned reading; assessing learning; and integrating technology. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CI 7326. Grant Development and Management.
Course focuses on developing competitive grant proposals and understanding grant management resources. Strategies will encompass locating funding sources, evaluating proposals, developing proposals and budgets, and methods of meeting accountability requirements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7351. Beginning Quantitative Research Design and Analysis.
This course introduces students to quantitative research design and analysis. Topics include descriptive statistics; sampling techniques; statistical inference, including the null hypothesis, significance tests, and confidence intervals; and causal-comparative analyses, including t-test and ANOVA. Departmental Approval required. Prerequisite or concurrent enrollment in: CI 7302 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7352. Beginning Qualitative Design and Analysis.
This course introduces students to the qualitative paradigm. Topics include distinctive features, alternative qualitative traditions, purposeful sampling, common data collection methods, inductive analysis, the role of the researcher, and evaluating qualitative research. Prerequisite: CI 7302 with a grade of "B" or better, or can be taken concurrently. Departmental approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7353. Intermediate Quantitative Research Design and Analysis.
This course focuses on intermediate quantitative research design and statistical methods of data analysis related to problems in education, psychology, sociology, and biological sciences. The general linear model based univariate and selected multivariate statistical techniques are examined including theory/purpose, logic, practical implications, and interpretation of various analytic techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7354. Intermediate Qualitative Design and Analysis.
This course focuses on issues in design and implementation of qualitative research. Topics include influence of alternative traditions, literature in qualitative research, access to the field and ethical issues, researcher-participant relationships, purposeful sampling strategies, inductive analysis procedures, developing theory, and reporting research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7355. Mixed Methods in Research and Evaluation.
This course will cover mixed methods research designs that can be used in the evaluation of educational interventions and programs. Topics include mixed methods research designs; program evaluation models; quantitative and qualitative data analysis and interpretation; reading mixed methods research articles; and writing mixed methods research proposals and evaluation reports. Prerequisite: CI 7351 and CI 7352 all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7358. Theoretical and Conceptual Frameworks in Qualitative Research.
Intended for those versed in current paradigmatic and epistemological states of human inquiry, presenting an opportunity to design a research project and to address the major issues of a research career. Prerequisites: ED 7352, ED 7354.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7359. Seminar in Quantitative Research.
This course is a small group seminar that focuses on analytic strategies specific to the doctoral student's dissertation topic. Examples include structural equation modeling, hierarchical linear modeling, log linear modeling, non-parametric analyses, factor analysis, factorial analysis of variance, and other multivariate statistical methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7360. Designing Educational Research.
Students identify problems in developmental education and develop a strategic proposal to apply to these problems. Students, then, create an evaluation plan to assess the implementation of their proposal. Students develop skills in critiquing research reports and in synthesizing research from developmental education. Prerequisite: ED 7353 or ED 7354.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7378. Independent Study.
Individual problems or topics will be designed and completed to emphasize selected areas of study in the Department of Curriculum and Instruction. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7386. Directed Research.
Students will participate in an authentic research experience, either by working as part of a doctoral faculty member's research team or developing an original research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7389A. Topics in Instructional Technology.
This topic offers an in-depth study of systematic instructional design emphasizing the selection and use of appropriate media for delivering instruction to maximize student learning. Special emphasis in this topic is on the leader's role in influencing the use of technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CI 7389C. Special Topics: Race Theory in Educational Research.
This course will explore racial theories and paradigms applicable to the study of race in K-20 educational settings. Students will analyze foundational scholarship in the formation of racial theories, research methodology, key tenets of race research, and literature pertinent to current trends in educational research regarding race.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Developmental Education (DE)

DE 7199. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7299. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7301. Understanding Developmental Education Learners in a Diverse Society.
This course identifies the evolution, characteristics, demographics, and needs of developmental education learners. Emphasis is placed on understanding internal factors, including the cognitive, affective, and psychosocial needs of these students, as well as on analyzing external factors, including the social, political and institutional forces that impact developmental learners' educational experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7302. Policy and Politics in Developmental Education.
This course addresses the policy and politics of planning, funding, implementing, and evaluating Developmental Education programs in postsecondary education. Readings and discussions focus on current and historical issues relevant to addressing the academic needs of educationally disadvantaged students from the perspective of researchers, program directors, policy analysts, and instructors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7303. Teaching and Learning in Developmental Education.
The course focuses on the institutional development, intellectual development, learner development, and self-development for effective teaching and learning in developmental education. Topics include instructional and learner theories, pedagogies, assessment and evaluation techniques, and best practices for instruction and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7304A. Curriculum Design in Developmental Education.
This course focuses on principles and processes of curriculum design and implementation in developmental education contexts, including examination of emerging research and issues. The course pedagogy also engages students in independent curriculum research, planning, and problem-solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

DE 7304B. Theory and Research of Digital Literacies.
This course focuses on understanding the complex relationships between technology, teaching, and learning in varied developmental education environments. Tools and strategies for planning, integrating, and assessing technology-supported instruction are explored within frameworks linking theory to practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

DE 7304C. Student Motivation and Self-Regulation.
This course focuses on research-based theories of student motivation and self-regulation and highlights practical applications of these theories for students in developmental education contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7304D. Transformative Learning.
This course introduces students to the core principles of transformative learning. The course is a theory-driven, project-based advanced class designed to enable students to develop theoretical perspectives, engage in intensive practice, and understand the use of transformative learning for applications with postsecondary individuals, groups, and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7304E. Current Topics in Motivation Intervention Research.
In this course, we will analyze, synthesize, discuss, and apply cutting-edge research on various types of motivation interventions in education. Emphasis will be placed on theory, research, and practice in postsecondary educational settings and developmental education contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7305. Multicultural Education in a P-16 Context.
This course uses critical multicultural framework to trace the evolution of the developmental learner in a P-16 educational system. Students in this examine school practices and policies in an attempt to map the educational trajectory and improve the educational experiences of P-16 underrepresented and underserved students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7321. The Community College.
Introduction to community college and to its roles and functions in American education. Special attention will be directed to evolution, development and patterns of organization, purposes, programs, personnel and current issues of the community college.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7322. Learning Support Centers in Postsecondary Settings.
The course explores the learning assistance movement in postsecondary settings including its history, leaders, and current research. Topics include program planning; leadership, organization, and management; human and financial resources; facilities and equipment; legal responsibilities; equal opportunity and access; diversity; ethics; campus and community relations; and assessment and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7323. Academic Support for Students with Learning Disabilities.
The course focuses on Learning Disabilities (LD) and Executive Function (EF) Disorders and their nature, prevalence, and significance in postsecondary environments. Topics include theories about the origins and nature of LD and EF, development across the lifespan, characteristics of individuals, and approaches to service, delivery and teaching.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking skills in the college and adult classroom. Topics will include variables in teaching and learning, methods of assessment, and approaches to instruction. Students who have taken EDP 5371 or DAE 5371 cannot take this course for doctoral credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7325. Advising, Coaching, and Mentoring Learners in Postsecondary Education.
The course will focus on theories and techniques of academic advising, coaching, and mentoring skills for learners enrolled in postsecondary education. Didactic and experiential activities will provide students enrolled in the course with opportunities to learn and practice skill development within these academic support programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7380. Managing Developmental Education Programs.
In this course, students will learn the theoretical and practical elements of management of developmental education programs in higher education. Readings and discussions focus generally on best practices in higher education leadership and specifically on best practices in leadership and management in developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7381. Practicum.
A 150-clock hour, one-semester practical experience in an institution or agency other than one's own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities to include program planning, management, budgeting, and/or evaluation.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 7390. Nature of Educational Inquiry.
Current paradigmatic and epistemological states of human inquiry are discussed presenting an opportunity to examine educational inquiry, create research knowledge related to the current state of the academy, and examine the issues of a research career.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7399. Dissertation.
Original research and writing in Developmental Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7599. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7699. Dissertation.
Original research and writing in Developmental Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7999. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

English (ENG)

ENG 7300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7314. Specializations in Professional and Technical Communication Topics.
Provides theoretical and practical information for specialized types of technical and professional communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7316. Foundations in Rhetoric and Composition.
A course providing students with theoretical, pedagogical, and/or methodological foundations in the field of rhetoric and composition. Emphases vary but may include Contemporary Composition Pedagogy, Basic Writing Theory and Practice, and Writing Assessment. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7317. Specializations in Rhetoric and Composition.
A course providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Across the Curriculum, Service Learning, Writing Center Theory and Practice, Computers and Writing, Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Techinical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Mathematics (MATH)

MATH 7111. Seminar in Teaching.
Seminar on individual study projects concerned with selected problems in the teaching of mathematics. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 7187. Seminar in Mathematics.
Students are required to attend weekly research seminars in mathematics and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7188. Seminar in Mathematics Education.
Students are required to attend weekly research seminars in Mathematics Education and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7199A. Dissertation.
Original research and writing in Mathematics Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7299A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7301. Studies in Mathematics.
This course provides basic foundations in Mathematics for students entering the doctoral program in Mathematics Education. This course may be repeated. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 7302. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7303. Analysis I.
This course covers foundations of modern analysis. Topics include: sequences, LimSup, LimInf, Sigma Algebras of sets that include open and closed sets, sequences of functions, pointwise and uniform convergence, lower and upper semi-continuity, Borel sets, outer measure, and Lebesgue measure. Prerequisite: MATH 4315.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7306. Current Research in Math Education.
This course surveys the various current social, political, and economic trends in local, state, national, and international settings that are related to research in Mathematics Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7307. Algebra I.
Applications of Algebra and topics in modern algebra, including permutation groups, symmetry groups, Sylow theorems, and select topics from Ring Theory. Prerequisite: MATH 4307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7309. Topology I.
A course in point-set topology emphasizing topological spaces, continuous functions, connectedness, compactness, countability, separability, metrizability, CWcomplexes, simplicial complexes, nerves, and dimension theory. Prerequisite: MATH 4330.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7313. Analysis II.
This course covers the theory of integration with special emphasis on Lebesgue integrals. Topics include: Lebesgue integral, Bounded Convergence theorem, differentiation and integration, absolute continuity, and Lp spaces. Prerequisite: Math 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7317. Algebra II.
A study of the important algebraic structures of rings and fields. Topics covered include rings, ideals, modules, polynomial rings, Euclidean algorithm, finite fields, and field extensions. Topics also include an introduction to Galois Theory with an emphasis on the geometric applications. Prerequisite: MATH 7307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7319. Topology II: Algebraic Topology.
This course covers the fundamental concepts and tools of algebraic topology. Topics include the fundamental group, covering spaces, homotopy type, the higher homotopy groups, singular homology theory, and the computation of homology groups via exact sequences and applications. Prerequisite: MATH 7307 and MATH 7309.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7321. Graph Theory.
Topics in this course include trees, connectivity of graphs, Eulerian graphs, Hamiltonian graphs, planar graphs, graph coloring, matchings, factorizations, digraphs, networks, and network flow problems. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7324. Curriculum Design & Analysis.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques that are related to curriculum design in Mathematics Education for grade levels P-16.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7325. Statistics 1.
A study of the mathematical and probabilistic underpinnings of the techniques used in statistical inference. Topics covered include sampling, sampling distributions, confidence intervals, and hypothesis testing with an emphasis on both simulations and derivations. Prerequisite: Math 2321 and Math 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7328. Instructional Techniques & Assessments.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques of instruction in Mathematics Education and the related assessment procedures for each for grade levels P-20.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7331. Combinatorics.
This course is a study of fundamental principles of combinatorics. Topics include: permutations and combinations, the Pigeonhole principle, the principle of inclusion-exclusion, binomial and multinomial theorems, special counting sequences, partitions, posets, extremal set theory, generating functions, recurrence relations, and the Polya theory of counting. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7335. Statistics II: Linear Modeling.
A study of the formulation and statistical methodologies for fitting linear models. Topics include the general linear hypothesis, least-squares estimation, Gauss-Markov theorem, assessment of model fit, effects of departures from assumptions, model design, and criteria for selection of optimal regression models. Prerequisite: MATH 3377 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7346. Quantitative Research Analysis in Mathematics Education.
This course surveys the various research techniques used in quantitative analysis for mathematics education and covers topics such as experimental design, statistical analysis, and use of appropriate design methodologies to achieve the strongest possible evidence to support or refute a knowledge claim. Prerequisite: MATH 7306 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7356A. Advanced Quantitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in quantitative research. Prerequisite: MATH 7346.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7356B. Advanced Qualitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in qualitative research. Prerequisite: ED 7352 or CI 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7356C. Action Research in Mathematics Education.
This course examines underlying theory and issues in action research model and the development of action research projects. Prerequisites: MATH 7346 or ED 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7361. Seminar in Advanced Mathematics.
Material in course will vary with the interest of students and faculty. A detailed study of subject matter may be chosen from advanced areas of analysis; algebra; topology and geometry; applied mathematics; and probability and statistics. This course is repeatable for credit when subject matter varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7366A. Teaching Post-Secondary Students (Developmental Math, Service Courses, and Majors).
This course examines how to develop and teach post-secondary students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisites: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366B. Teaching K-12 Students (Elementary, Middle School, and High School).
This course examines how to develop and teach K-12 students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366C. Teaching Teachers (In-Service; Pre-Service).
This course examines how to prepare teachers of mathematics. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366D. Teaching Specialized Content.
This course will be an in-depth study of a specialized content area in mathematics with an emphasis on teaching. The specific content area will vary by instructor. Examples include Euclidean Simplex Geometry and Discrete Probability Spaces with Implications for Public School Curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366E. Developmental Mathematics Curriculum.
This course surveys the research, development, and evaluation of the scope and sequence of developmental mathematics curriculum. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7366F. Research in Undergraduate Mathematics Education I.
Students will develop the requisite knowledge to become a good consumer of Research in Undergraduate Mathematics Education (RUME) research. The course will cover the theoretical underpinnings of current and historic RUME research. Students will develop the knowledge to understand relevant theoretical stances and the role they play in research. Prerequisite: Math 7306 or permission from the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7371A. Advanced Graph Theory.
Topics in this course include Turan's problems, Ramsey theory, random graph theory, extremal graph theory, algebraic graph theory, domination of graphs, distance problems, and applications. Prerequisite: MATH 7321.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371B. Advanced Combinatorics.
Topics in this course include Block designs, Latin squares, combinatorial optimization problems, coding theory, matroids, difference sets, and finite geometry. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371C. Combinatorial Number Theory.
A study of fundamental techniques in combinatorial number theory. Topics will include Waring's problem, additive number theory, and probabilistic methods in number theory. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371D. Discrete Optimization.
A study of some fundamental techniques in discrete optimization. Topics include discrete optimization, linear programming, integer programming, integer nonlinear programming, dynamic programming, location problem, scheduling problem, transportation problem, postman problem, traveling salesman problem, matroids, and NP-completeness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371E. Algorithms and Complexity.
A study of some fundamental concepts of computability and complexity. Topics include polynomially bounded problems, NP-complete problems, exponentially hard problems, undecidable problems, and reducibility. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371F. Probabilistic Methods in Discrete Mathematics.
A study of some fundamental probabilistic techniques used to solve problems in graph theory, combinatorics, combinatorial number theory, combinatorial geometry, and algorithm. Topics include linearity of expectation, alterations, second moment, local lemma, correlation inequalities, martingales, Poisson paradigm, and pseudo-randomness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371G. Applied Discrete Mathematics.
This course introduces fundamental concepts in logic, Boolean algebra, and binomial coefficients; and applications in different fields such as complexity of algorithms and network theory. Prerequisites: MATH 2472 and MATH 4307, all with a grade of “C” or better, or with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371H. Combinatorial Networks.
Combinatorial Networks is an area of study of certain types of networks using combinatorial methods extensively. This course introduces fundamental basics as well as the latest development in this area of research. Prerequisite: MATH 5307/7307 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375C. Time Series Analysis.
A study of the theory of time-dependent data. The analysis includes modeling, estimation, and testing; alternating between the time domain; using autoregressive and moving average models and the frequency domain; and using spectral analysis. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375D. Advanced linear Modeling.
The course provides an extension of regression methodology to more general settings where standard assumptions for ordinary least squares are violated. Topics include generalized least squares, robust regression, bootstrap, regression in the presence of autocorrelated errors, generalized linear models, and logistic and Poisson regression. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378A. Problem Solving, Reasoning, and Proof.
A study of the fundamental concepts of problem solving, logic, set theory, and mathematical proof and applications of these concepts in mathematics curriculum for grades P-20. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378B. Connecting and Communicating Math.
This course examines one of the basic principles involved in mathematics education: Connecting and Communicating Mathematics. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378C. Representing Fundamental Math Ideas (Function, Data Analysis, and Enumeration).
This course examines the basic principles involved in mathematics education. The process of representing fundamental mathematical ideas will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378D. Math Technologies.
This course examines the basic principles involved in mathematics education: Technology. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378E. Developmental Mathematics Perspectives.
This course examines developmental mathematics-specific strands including technological course support and placement tools/decisions. Issues related to the first mathematics core course required of undergraduates will aslo be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7378F. Research on Mathematical Problem Solving in Secondary Schools.
In this course a careful study is made of elementary techniques for problem solving in a variety of domains, including algebra, number theory, combinatorics, geometry, and logic puzzles. Students will learn these techniques by actually working on a collection of problems in each of these areas. Students will read and examine research about various aspects of problem solving and research in math education that includes both teacher training and student learning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7378G. Discourse Processes, Traditions, and Analysis in Mathematics Education.
Discourse and discourse analysis have been used to answer research questions across disciplines throughout the humanities and social sciences. This course will focus on theory and methods for the analysis of discourse in mathematical settings. We will learn how different approaches to discourse are used to understand mathematics learning. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7385. Independent Study in Mathematics.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of mathematics. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7386. Independent Study in Mathematics Education.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of Mathematics Education. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7389. Internship.
Students will work under the supervision of a faculty member to gain practical knowledge in Mathematics Education. Student experience can come from industry, government agencies, or other sources but must directly apply to furthering knowledge of mathematics education or its application.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7396. Mathematics Education Research Seminar.
Collaborative research projects with faculty through identifying an educational issue, reviewing literature, creating a research question, designing a methodology, analyzing data, drawing conclusions, implications, and creating a draft of a publishable paper. Prerequisite: MATH 7356, and ED 7352 or MATH 7346, all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7399A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7599A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7699A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7999A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 7301. Theory and Research of Literacy.
This course examines the current theories and basic research of literacy development from psychological, cultural, linguistic, educational, and epistemological frameworks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7302. Theory and Research of College Basic Literacy.
This course examines basic literacy needs and instructional strategies for students within post-secondary institutions. Explored are etiologies; comparison of basic to academic literacy; analysis of instructional strategies and materials for developing phonemic awareness, decoding, vocabulary, fluency, and comprehending in single sources of information. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7303. Theory and Research of College Academic Literacy.
This course examines basic literacy needs and instructional strategies for students in college. Explored are etiologies; comparison of academic workplace, and new literacies; instructional strategies and materials for developing vocabulary, comprehending, and critical and strategic reading in multiple sources of information. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7304. Theory and Research of Literacy Instruction for Culturally and Linguistically Diverse Readers.
This course examines the historical and contemporary understandings of language acquisition and instruction; foundational knowledge of literacy research and cultural and linguistic difference; instructional practices, including culturally responsive instruction, linguistic differences, and creating supportive literacy environments; curriculum, assessment, and evaluation; and critical literacy perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7305. Theory and Research of College Literacy Assessment.
This course reviews literacy assessment theory, research, policy, and practice in pre-school through grade 20 including accountability, standard-based curriculum, cultural and linguistic effects, assessment driven instruction, reliability and validity, interpretation, and types of instruments: high-staked, placement, diagnostic, classroom tests, and qualitative instruments. Prerequisites: RDG 7301, RDG 7302, RDG 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7306. Literacy Research Seminar.
Doctoral students participate in weekly research seminar that explore research and policy papers in literacy and literacy education, examine their methodolgoy and conclusions, and consider additional research questions. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7307E. Theory, Research and Practice of Disciplinary Literacies.
This course examines core principles of disciplinary literacies. Students will examine the theory, research and pedagogical practices of literacies across the disciplines with an emphasis on understanding the potential for post-secondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 7371. Theory and Research of Postsecondary Integrated Reading and Writing.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7372. Theory and Research of New Literacies Studies in Developmental Education.
This course focuses on the theory and research of New Literacies Studies which affects instructional practice in post-secondary developmental education. It includes an examination of diverse theories and models of multiple digital technology literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7373. Community Literacies.
This course focuses on exploring, understanding, refining, and reflecting on literacy as social practices within a community that informs effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project. Prerequisite: RDG 7301 or RDG 7302 or RDG 7303 all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Doctor of Philosophy (Ph.D.) Major in Developmental Education (Learning Support Concentration)

The Department of Curriculum and Instruction in the College of Education at Texas State offers a Ph.D. in developmental education (DE) that produces researchers, university faculty, and scholars focused on building strong research and theoretical base for DE. The Ph.D. is designed to fill the urgent need for advanced research in an emerging field that serves those who are underprepared for postsecondary education.

Mission Statement

The doctoral program in developmental education within the Department of Curriculum and Instruction prepares future scholars, researchers, leaders, administrators, instructors, and practitioners in the field of developmental education. Both rigorous and supportive, the program aims to advance theory, research, and practice in multiple areas of developmental education — including developmental literacy, learning support, and developmental mathematics — by actively engaging students in teaching, scholarship, and professional service. As a multidisciplinary program, the faculty, staff, and students work collaboratively across various academic disciplines, diverse communities, and geographic boundaries.

Educational Goal

Major educational objectives for the programs include the following:

- To prepare DE professionals who engage in divergent and critical thinking, are culturally competent, and are skilled in maximizing technology applications for learning and communication;
- To prepare DE professionals who understand and can respond to the nature and needs of students who enroll in DE programs; the complexities of motivation, teaching, learning, and assessment in DE settings; the cultural, political, and social systems that create inequities in educational settings; and the structure and management of DE programs;
- To prepare DE professionals with sophisticated research skills that will enable them to critically evaluate DE programs and practices and implement research agendas that will inform practice and policy;
- To prepare DE professionals who will serve as leaders in the DE profession who can engage in institutional leadership, program administration, and innovative program development and evaluation that will promote systemic change and improvement.

Advising

Advising takes three forms: the initial advisor, the program mentor, and the dissertation advisor. When students are first admitted, they

are assigned an initial advisor who mentors them from entry through their first year benchmarks in the program. By the end of the first year, students formally ask a faculty member to be their program mentor who advises them from the end of their first year until their comprehensive exams. At a time no later than the completion of their comprehensive exams, students then select a dissertation advisor who is the chair of their dissertation committee, which must be formed at that time. These advising roles can be assumed by the same faculty member or different faculty members depending on students' research interests and foci.

In their first term, students will construct a program plan with the assistance of their initial advisor. The program plan is a focused, detailed description of the doctoral student's proposed course work, specialization, and goals for the doctoral program. The program plan will be submitted to the doctoral program plan committee for approval and suggestions. The program plan must include the following:

- goal statement that includes doctoral study goals (including specialization) and future professional goals
- professional curriculum vitae
- course work plan. This is the appropriate place for petitioning for course transfer for graduate work done previously (there is a 5-year time limit on any course work counting toward candidacy).

The student should work with their advisor for direction while completing the program plan prior to submitting it to the program plan committee. It is due to the program plan committee by November 15 in the fall term of the student's first year of study. After the program plan committee reviews the student's program plan, a meeting may be scheduled with the student for further review of the plan.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree in a field relevant to developmental education from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA (on a 4.0 scale) in all completed graduate course work
- official GRE scores (general test only) required with competitive scores in the verbal reasoning, quantitative reasoning, and analytical writing sections
- resume/CV
- statement of purpose (500 words) demonstrating the student's research interest and goals as a developmental educator and potential to contribute to the advancement of scholarly work in the field of developmental education. Students should discuss relevant teaching, research, and/or policy experience as well as clear evidence of a commitment to research and scholarship.
- three letters of recommendation addressing the student's professional and academic background

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Developmental Education concentration in Learning Support requires 66 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
DE 7301	Understanding Developmental Education Learners in a Diverse Society	3
DE 7302	Policy and Politics in Developmental Education	3
DE 7303	Teaching and Learning in Developmental Education	3
DE 7305	Multicultural Education in a P-16 Context	3
CI 7101	Introduction to the Research Experience (Taken three times)	3
CI 7302	Research Methods and Measurement in Education	3
CI 7351	Beginning Quantitative Research Design and Analysis	3
CI 7352	Beginning Qualitative Design and Analysis	3
CI 7386	Directed Research	3
Choose 9 hours from the following:		9
CI 7353	Intermediate Quantitative Research Design and Analysis	
CI 7354	Intermediate Qualitative Design and Analysis	
CI 7358	Theoretical and Conceptual Frameworks in Qualitative Research	
CI 7359	Seminar in Quantitative Research	
Concentration		
Choose 15 hours from the following:		15
DE 7321	The Community College	
DE 7322	Learning Support Centers in Postsecondary Settings	
DE 7323	Academic Support for Students with Learning Disabilities	
DE 7324	Teaching Learning Strategies and Critical Thinking	
DE 7325	Advising, Coaching, and Mentoring Learners in Postsecondary Education	
CI 7326	Grant Development and Management	

Electives		
Choose 3 hours from the following:		3
CI 7303	Educational and Psychological Measurement and Assessment	
CI 7355	Mixed Methods in Research and Evaluation	
CI 7360	Designing Educational Research	
DE 7304A	Curriculum Design in Developmental Education	
DE 7304B	Theory and Research of Digital Literacies	
DE 7380	Managing Developmental Education Programs	
DE 7390	Nature of Educational Inquiry	
ENG 7300	Language Problems in a Multicultural Environment	
ENG 7316	Foundations in Rhetoric and Composition	
ENG 7317	Specializations in Rhetoric and Composition	
ENG 7326	Contemporary Composition Theory	
ENG 7383	Studies in Rhetorical Theory	
MATH 7188	Seminar in Mathematics Education	
MATH 7302	History of Mathematics	
MATH 7306	Current Research in Math Education	
MATH 7366A	Teaching Post-Secondary Students (Developmental Math, Service Courses, and Majors)	
MATH 7366E	Developmental Mathematics Curriculum	
MATH 7378E	Developmental Mathematics Perspectives	
MATH 7396	Mathematics Education Research Seminar	
RDG 7301	Theory and Research of Literacy	
RDG 7302	Theory and Research of College Basic Literacy	
RDG 7303	Theory and Research of College Academic Literacy	
RDG 7304	Theory and Research of Literacy Instruction for Culturally and Linguistically Diverse Readers	
RDG 7305	Theory and Research of College Literacy Assessment	
RDG 7306	Literacy Research Seminar	
RDG 7372	Theory and Research of New Literacies Studies in Developmental Education	
RDG 7373	Community Literacies	
Dissertation		
Choose a minimum of 12 hours from the following:		12
DE 7199	Dissertation	
DE 7299	Dissertation	
DE 7399	Dissertation	
DE 7599	Dissertation	
DE 7699	Dissertation	
DE 7999	Dissertation	
Total Hours		66

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Application for Advancement to Candidacy

Once all course work (except for dissertation course work) has been completed, the comprehensive exams have been passed, and the dissertation proposal has been successfully defended, doctoral students will apply for advancement to candidacy. Candidacy must be achieved within five (5) years of initiating program course work. No credit will be applied toward the doctoral degree for course work completed more than five (5) years before the date on which the student is advanced to candidacy. This time limit applies toward credit earned at Texas State as well as credit transferred to Texas State from other accredited institutions. Requests for a time extension must be made to the program, which in turn submits a recommendation to The Graduate College. Achieving doctoral candidacy allows the student to begin doctoral dissertation research. Candidacy forms are found here: http://www.gradcollege.txstate.edu/Fac_Resources/Forms.html.

Grade-Point Requirements for Advancement to Candidacy

To be eligible for advancement to candidacy, the student must have a minimum GPA of 3.0. No grade earned below a "B" on any graduate course may apply toward a doctorate at Texas State. Incomplete grades must be cleared through The Graduate College before a student can be approved for advancement to candidacy.

Comprehensive Exams

All students in the Doctoral Program in Developmental Education are required to pass a Comprehensive Examination at the conclusion of coursework, prior to moving into the dissertation phase of the program. The purposes of this exam are to demonstrate mastery of the coursework content and preparation for independent research. Ideally, this process will begin during students' last semester of coursework, and will be completed before the conclusion of the semester following.

Students will first discuss an overall problem or issue and focus with their adviser for initial approval. Students will then form a comprehensive exam committee that is comprised of, at least, their adviser (as Chair) and two other faculty members from the Developmental Education program. Once the committee is formed, students will complete a prospectus and arrange a prospectus meeting.

The prospectus meeting will consist of a brief oral presentation (student) and questions posed by committee members. The prospectus will be evaluated in terms of its appropriateness for the comprehensive exam and the feasibility of the proposed work. Students will either be granted approval to proceed with the exam or will be asked to revise and resubmit at the conclusion of the prospectus meeting. Once the prospectus is approved, students are cleared to begin working on the entire exam. When the exam is complete, students will distribute the finished product to the entire committee all at once and schedule an exam oral defense.

Dissertation Proposal

At a time no later than the completion of their comprehensive exams, students must select a dissertation advisor. After selecting their dissertation advisor, and before beginning their dissertation proposal, students will form a dissertation committee that will provide technical support for the inception, conduct, and completion of the dissertation research study and evaluate the final product. The student will undertake the research and write the dissertation under the guidance of their dissertation advisor. The dissertation proposal must be successfully defended and approved by the dean of The Graduate College before

a student can be advanced to candidacy. Information about the dissertation procedures can be found in the Dissertation tab.

Students must submit the dissertation proposal and one copy of the official "Dissertation Proposal form" (available on The Graduate College website) to the dissertation advisor. After obtaining committee members' signatures, the student must submit the dissertation proposal and dissertation proposal form to the program director for signature. The form also requires evidence of the IRB approval for any research involving human subjects. The program director will then forward the dissertation proposal and form through the department chair to the dean of The Graduate College for final approval. Final approval must be received before proceeding with the defense of the dissertation proposal. The Dissertation Proposal form may be obtained from The Graduate College website.

Defense of the Dissertation Proposal

Students must defend the dissertation proposal in a meeting that begins with a public presentation and continues with an oral examination by the dissertation committee. The examination will address the proposed dissertation topic (problem definition and scope), relevant literature, and research method. The dissertation committee must sign the "Defense of the Dissertation Proposal form" to indicate approval and then submit the form for the signature of the doctoral program director and the department chair. The approved Defense of the Dissertation Proposal form must be forwarded to the dean of The Graduate College. The dissertation proposal must be approved and the Defense of the Dissertation Proposal form must be on file in the office of The Graduate College before any student can advance to candidacy and begin dissertation research.

Recommendation for Advancement to Candidacy

The dissertation committee recommends the applicant for advancement to candidacy to the doctoral program director, the department chair, and the dean of The Graduate College. The dean of The Graduate College certifies the applicant for advancement to candidacy once all requirements have been met. To be eligible for admission to candidacy the student must have successfully completed the comprehensive exam, completed all course work, and successfully defended the dissertation proposal.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must be an original contribution to scholarship and the result of independent investigation in a significant area. Preparation of the dissertation must follow the latest edition of the *Publication Manual of the American Psychological Association*.

Dissertation Enrollment Requirements

Any time a student is receiving official guidance on the dissertation, the student must be enrolled in a dissertation course. A student must maintain continuous enrollment in dissertation hours every term from the time they advance to candidacy until the dissertation is defended and approved. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred. Students must enroll in a minimum of 12 dissertation credit hours.

Dissertation Time Limit

Students must complete the dissertation within five (5) years of advancement to candidacy. The student's dissertation advisor, with the student's dissertation committee, will review the student's progress annually.

Dissertation Advisor and Dissertation Committee

The dissertation committee must be composed of four approved doctoral graduate faculty members. The doctoral student must select a minimum of four committee members, one of which must be outside the program. The chair of the dissertation committee must be from the program. All committee members must hold at least associate doctoral faculty status, and chairs must hold core doctoral faculty status. To form the dissertation committee, the "Dissertation Committee Request form" must be completed and signed by the student, committee members, committee chair, doctoral program director, and the department chair and then forwarded to the dean of The Graduate College for approval and signature. The required Dissertation Committee Request form may be obtained from The Graduate College website.

Committee Changes

Any changes to the dissertation committee must be submitted for approval to the dissertation advisor, the doctoral program director, the department chair, and the dean of The Graduate College. Changes must be submitted no less than sixty (60) days before the final dissertation defense. The "Dissertation Advisor/Committee Member Change Request form" may be obtained from The Graduate College website.

Defense of the Dissertation

All dissertations must meet the following requirements as judged by the student's dissertation committee:

1. a systematic investigation of a problem,
2. informed by previous theory and research,
3. that adds to the body of knowledge in the area of investigation, and
4. is presented in a form capable of dissemination to scholars and practitioners.

Students must pass the final oral examination that covers the dissertation and the general field of the dissertation. Students must defend the dissertation in a meeting that begins with a public presentation and continues with an oral exam by the dissertation committee. Before scheduling the final oral exam, the student must have received approval of the dissertation advisor. A completed "Dissertation Defense Report form" must be submitted according to the schedule posted by the dean of The Graduate College and no later than ten days before the date of graduation. The student must complete all aspects of the dissertation, including successful defense and submission of the dissertation to The Graduate College, within five (5) years of advancement to candidacy.

Approval and Submission of the Dissertation and Abstract

The approval of the dissertation requires positive votes from the dissertation advisor and from a majority of the dissertation committee members. Once the committee has approved the dissertation, one copy of the dissertation and the signed "Committee Approval form" must be

submitted to the dean of The Graduate College for final approval. Refer to the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation* for specific guidelines.

Doctoral level courses in Developmental Education: CI (p.), DE (p.), ENG (p. 1130), MATH (p. 1130), RDG (p. 1135)

Courses Offered

Curriculum and Instruction (CI)

CI 7101. Introduction to the Research Experience.
This course is designed to introduce students to the department and to the ongoing research activities of its faculty. Emphasis is placed on identifying and coordinating opportunities for joint research and scholarship among faculty and students. Students must enroll in the course for three semesters before dissertation.
1 Credit Hour. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7302. Research Methods and Measurement in Education.
This course provides a comprehensive introduction to educational research with a focus on research design, research methods and methodology, and fundamental measurement issues in quantitative, qualitative, and mixed-methods research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7303. Educational and Psychological Measurement and Assessment.
Philosophical and empirical foundations of measurement, assessment, testing, and evaluation. Topics include philosophical and mathematical foundations in research; empirical levels and measurement description; test construction; observational rating scales; measurement interpretation; social, legal, and ethical implications; item analysis/refinement for scale performance; reliability and validity evidence; and standardized and placement tests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7310. Teaching in College.
Teaching strategies for teaching/instructional assistants focused on creating syllabi, adapting to diverse student populations, collaborating with colleagues and staff; implementing active learning strategies; fostering assigned reading; assessing learning; and integrating technology. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CI 7326. Grant Development and Management.
Course focuses on developing competitive grant proposals and understanding grant management resources. Strategies will encompass locating funding sources, evaluating proposals, developing proposals and budgets, and methods of meeting accountability requirements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7351. Beginning Quantitative Research Design and Analysis.
This course introduces students to quantitative research design and analysis. Topics include descriptive statistics; sampling techniques; statistical inference, including the null hypothesis, significance tests, and confidence intervals; and causal-comparative analyses, including t-test and ANOVA. Departmental Approval required. Prerequisite or concurrent enrollment in: CI 7302 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7352. Beginning Qualitative Design and Analysis.
This course introduces students to the qualitative paradigm. Topics include distinctive features, alternative qualitative traditions, purposeful sampling, common data collection methods, inductive analysis, the role of the researcher, and evaluating qualitative research. Prerequisite: CI 7302 with a grade of "B" or better, or can be taken concurrently. Departmental approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7353. Intermediate Quantitative Research Design and Analysis.
This course focuses on intermediate quantitative research design and statistical methods of data analysis related to problems in education, psychology, sociology, and biological sciences. The general linear model based univariate and selected multivariate statistical techniques are examined including theory/purpose, logic, practical implications, and interpretation of various analytic techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7354. Intermediate Qualitative Design and Analysis.
This course focuses on issues in design and implementation of qualitative research. Topics include influence of alternative traditions, literature in qualitative research, access to the field and ethical issues, researcher-participant relationships, purposeful sampling strategies, inductive analysis procedures, developing theory, and reporting research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7355. Mixed Methods in Research and Evaluation.
This course will cover mixed methods research designs that can be used in the evaluation of educational interventions and programs. Topics include mixed methods research designs; program evaluation models; quantitative and qualitative data analysis and interpretation; reading mixed methods research articles; and writing mixed methods research proposals and evaluation reports. Prerequisite: CI 7351 and CI 7352 all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7358. Theoretical and Conceptual Frameworks in Qualitative Research.
Intended for those versed in current paradigmatic and epistemological states of human inquiry, presenting an opportunity to design a research project and to address the major issues of a research career. Prerequisites: ED 7352, ED 7354.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7359. Seminar in Quantitative Research.
This course is a small group seminar that focuses on analytic strategies specific to the doctoral student's dissertation topic. Examples include structural equation modeling, hierarchical linear modeling, log linear modeling, non-parametric analyses, factor analysis, factorial analysis of variance, and other multivariate statistical methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7360. Designing Educational Research.
Students identify problems in developmental education and develop a strategic proposal to apply to these problems. Students, then, create an evaluation plan to assess the implementation of their proposal. Students develop skills in critiquing research reports and in synthesizing research from developmental education. Prerequisite: ED 7353 or ED 7354.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7378. Independent Study.
Individual problems or topics will be designed and completed to emphasize selected areas of study in the Department of Curriculum and Instruction. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7386. Directed Research.
Students will participate in an authentic research experience, either by working as part of a doctoral faculty member's research team or developing an original research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7389A. Topics in Instructional Technology.
This topic offers an in-depth study of systematic instructional design emphasizing the selection and use of appropriate media for delivering instruction to maximize student learning. Special emphasis in this topic is on the leader's role in influencing the use of technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CI 7389C. Special Topics: Race Theory in Educational Research.
This course will explore racial theories and paradigms applicable to the study of race in K-20 educational settings. Students will analyze foundational scholarship in the formation of racial theories, research methodology, key tenets of race research, and literature pertinent to current trends in educational research regarding race.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Developmental Education (DE)

DE 7199. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7299. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7301. Understanding Developmental Education Learners in a Diverse Society.
This course identifies the evolution, characteristics, demographics, and needs of developmental education learners. Emphasis is placed on understanding internal factors, including the cognitive, affective, and psychosocial needs of these students, as well as on analyzing external factors, including the social, political and institutional forces that impact developmental learners' educational experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7302. Policy and Politics in Developmental Education.
This course addresses the policy and politics of planning, funding, implementing, and evaluating Developmental Education programs in postsecondary education. Readings and discussions focus on current and historical issues relevant to addressing the academic needs of educationally disadvantaged students from the perspective of researchers, program directors, policy analysts, and instructors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7303. Teaching and Learning in Developmental Education.
The course focuses on the institutional development, intellectual development, learner development, and self-development for effective teaching and learning in developmental education. Topics include instructional and learner theories, pedagogies, assessment and evaluation techniques, and best practices for instruction and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7304A. Curriculum Design in Developmental Education.
This course focuses on principles and processes of curriculum design and implementation in developmental education contexts, including examination of emerging research and issues. The course pedagogy also engages students in independent curriculum research, planning, and problem-solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

DE 7304B. Theory and Research of Digital Literacies.
This course focuses on understanding the complex relationships between technology, teaching, and learning in varied developmental education environments. Tools and strategies for planning, integrating, and assessing technology-supported instruction are explored within frameworks linking theory to practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

DE 7304C. Student Motivation and Self-Regulation.
This course focuses on research-based theories of student motivation and self-regulation and highlights practical applications of these theories for students in developmental education contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7304D. Transformative Learning.
This course introduces students to the core principles of transformative learning. The course is a theory-driven, project-based advanced class designed to enable students to develop theoretical perspectives, engage in intensive practice, and understand the use of transformative learning for applications with postsecondary individuals, groups, and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7304E. Current Topics in Motivation Intervention Research.
In this course, we will analyze, synthesize, discuss, and apply cutting-edge research on various types of motivation interventions in education. Emphasis will be placed on theory, research, and practice in postsecondary educational settings and developmental education contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7305. Multicultural Education in a P-16 Context.
This course uses critical multicultural framework to trace the evolution of the developmental learner in a P-16 educational system. Students in this examine school practices and policies in an attempt to map the educational trajectory and improve the educational experiences of P-16 underrepresented and underserved students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7321. The Community College.
Introduction to community college and to its roles and functions in American education. Special attention will be directed to evolution, development and patterns of organization, purposes, programs, personnel and current issues of the community college.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7322. Learning Support Centers in Postsecondary Settings.
The course explores the learning assistance movement in postsecondary settings including its history, leaders, and current research. Topics include program planning; leadership, organization, and management; human and financial resources; facilities and equipment; legal responsibilities; equal opportunity and access; diversity; ethics; campus and community relations; and assessment and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7323. Academic Support for Students with Learning Disabilities.
The course focuses on Learning Disabilities (LD) and Executive Function (EF) Disorders and their nature, prevalence, and significance in postsecondary environments. Topics include theories about the origins and nature of LD and EF, development across the lifespan, characteristics of individuals, and approaches to service, delivery and teaching.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking skills in the college and adult classroom. Topics will include variables in teaching and learning, methods of assessment, and approaches to instruction. Students who have taken EDP 5371 or DAE 5371 cannot take this course for doctoral credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7325. Advising, Coaching, and Mentoring Learners in Postsecondary Education.
The course will focus on theories and techniques of academic advising, coaching, and mentoring skills for learners enrolled in postsecondary education. Didactic and experiential activities will provide students enrolled in the course with opportunities to learn and practice skill development within these academic support programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7380. Managing Developmental Education Programs.
In this course, students will learn the theoretical and practical elements of management of developmental education programs in higher education. Readings and discussions focus generally on best practices in higher education leadership and specifically on best practices in leadership and management in developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7381. Practicum.
A 150-clock hour, one-semester practical experience in an institution or agency other than one's own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities to include program planning, management, budgeting, and/or evaluation.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 7390. Nature of Educational Inquiry.
Current paradigmatic and epistemological states of human inquiry are discussed presenting an opportunity to examine educational inquiry, create research knowledge related to the current state of the academy, and examine the issues of a research career.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7399. Dissertation.
Original research and writing in Developmental Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7599. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7699. Dissertation.
Original research and writing in Developmental Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7999. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

English (ENG)

ENG 7300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7314. Specializations in Professional and Technical Communication Topics.
Provides theoretical and practical information for specialized types of technical and professional communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7316. Foundations in Rhetoric and Composition.
A course providing students with theoretical, pedagogical, and/or methodological foundations in the field of rhetoric and composition. Emphases vary but may include Contemporary Composition Pedagogy, Basic Writing Theory and Practice, and Writing Assessment. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7317. Specializations in Rhetoric and Composition.
A course providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Across the Curriculum, Service Learning, Writing Center Theory and Practice, Computers and Writing, Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Techinical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Mathematics (MATH)

MATH 7111. Seminar in Teaching.
Seminar on individual study projects concerned with selected problems in the teaching of mathematics. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 7187. Seminar in Mathematics.
Students are required to attend weekly research seminars in mathematics and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7188. Seminar in Mathematics Education.
Students are required to attend weekly research seminars in Mathematics Education and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7199A. Dissertation.
Original research and writing in Mathematics Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7299A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7301. Studies in Mathematics.
This course provides basic foundations in Mathematics for students entering the doctoral program in Mathematics Education. This course may be repeated. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 7302. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7303. Analysis I.
This course covers foundations of modern analysis. Topics include: sequences, LimSup, LimInf, Sigma Algebras of sets that include open and closed sets, sequences of functions, pointwise and uniform convergence, lower and upper semi-continuity, Borel sets, outer measure, and Lebesgue measure. Prerequisite: MATH 4315.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7306. Current Research in Math Education.
This course surveys the various current social, political, and economic trends in local, state, national, and international settings that are related to research in Mathematics Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7307. Algebra I.
Applications of Algebra and topics in modern algebra, including permutation groups, symmetry groups, Sylow theorems, and select topics from Ring Theory. Prerequisite: MATH 4307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7309. Topology I.
A course in point-set topology emphasizing topological spaces, continuous functions, connectedness, compactness, countability, separability, metrizability, CWcomplexes, simplicial complexes, nerves, and dimension theory. Prerequisite: MATH 4330.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7313. Analysis II.
This course covers the theory of integration with special emphasis on Lebesgue integrals. Topics include: Lebesgue integral, Bounded Convergence theorem, differentiation and integration, absolute continuity, and Lp spaces. Prerequisite: Math 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7317. Algebra II.
A study of the important algebraic structures of rings and fields. Topics covered include rings, ideals, modules, polynomial rings, Euclidean algorithm, finite fields, and field extensions. Topics also include an introduction to Galois Theory with an emphasis on the geometric applications. Prerequisite: MATH 7307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7319. Topology II: Algebraic Topology.
This course covers the fundamental concepts and tools of algebraic topology. Topics include the fundamental group, covering spaces, homotopy type, the higher homotopy groups, singular homology theory, and the computation of homology groups via exact sequences and applications. Prerequisite: MATH 7307 and MATH 7309.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7321. Graph Theory.
Topics in this course include trees, connectivity of graphs, Eulerian graphs, Hamiltonian graphs, planar graphs, graph coloring, matchings, factorizations, digraphs, networks, and network flow problems. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7324. Curriculum Design & Analysis.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques that are related to curriculum design in Mathematics Education for grade levels P-16.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7325. Statistics 1.
A study of the mathematical and probabilistic underpinnings of the techniques used in statistical inference. Topics covered include sampling, sampling distributions, confidence intervals, and hypothesis testing with an emphasis on both simulations and derivations. Prerequisite: Math 2321 and Math 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7328. Instructional Techniques & Assessments.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques of instruction in Mathematics Education and the related assessment procedures for each for grade levels P-20.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7331. Combinatorics.
This course is a study of fundamental principles of combinatorics. Topics include: permutations and combinations, the Pigeonhole principle, the principle of inclusion-exclusion, binomial and multinomial theorems, special counting sequences, partitions, posets, extremal set theory, generating functions, recurrence relations, and the Polya theory of counting. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7335. Statistics II: Linear Modeling.
A study of the formulation and statistical methodologies for fitting linear models. Topics include the general linear hypothesis, least-squares estimation, Gauss-Markov theorem, assessment of model fit, effects of departures from assumptions, model design, and criteria for selection of optimal regression models. Prerequisite: MATH 3377 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7346. Quantitative Research Analysis in Mathematics Education.
This course surveys the various research techniques used in quantitative analysis for mathematics education and covers topics such as experimental design, statistical analysis, and use of appropriate design methodologies to achieve the strongest possible evidence to support or refute a knowledge claim. Prerequisite: MATH 7306 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7356A. Advanced Quantitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in quantitative research. Prerequisite: MATH 7346.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7356B. Advanced Qualitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in qualitative research. Prerequisite: ED 7352 or CI 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7356C. Action Research in Mathematics Education.
This course examines underlying theory and issues in action research model and the development of action research projects. Prerequisites: MATH 7346 or ED 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7361. Seminar in Advanced Mathematics.
Material in course will vary with the interest of students and faculty. A detailed study of subject matter may be chosen from advanced areas of analysis; algebra; topology and geometry; applied mathematics; and probability and statistics. This course is repeatable for credit when subject matter varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7366A. Teaching Post-Secondary Students (Developmental Math, Service Courses, and Majors).
This course examines how to develop and teach post-secondary students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisites: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366B. Teaching K-12 Students (Elementary, Middle School, and High School).
This course examines how to develop and teach K-12 students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366C. Teaching Teachers (In-Service; Pre-Service).
This course examines how to prepare teachers of mathematics. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366D. Teaching Specialized Content.
This course will be an in-depth study of a specialized content area in mathematics with an emphasis on teaching. The specific content area will vary by instructor. Examples include Euclidean Simplex Geometry and Discrete Probability Spaces with Implications for Public School Curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366E. Developmental Mathematics Curriculum.
This course surveys the research, development, and evaluation of the scope and sequence of developmental mathematics curriculum. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7366F. Research in Undergraduate Mathematics Education I.
Students will develop the requisite knowledge to become a good consumer of Research in Undergraduate Mathematics Education (RUME) research. The course will cover the theoretical underpinnings of current and historic RUME research. Students will develop the knowledge to understand relevant theoretical stances and the role they play in research. Prerequisite: Math 7306 or permission from the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7371A. Advanced Graph Theory.
Topics in this course include Turan's problems, Ramsey theory, random graph theory, extremal graph theory, algebraic graph theory, domination of graphs, distance problems, and applications. Prerequisite: MATH 7321.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371B. Advanced Combinatorics.
Topics in this course include Block designs, Latin squares, combinatorial optimization problems, coding theory, matroids, difference sets, and finite geometry. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371C. Combinatorial Number Theory.
A study of fundamental techniques in combinatorial number theory. Topics will include Waring's problem, additive number theory, and probabilistic methods in number theory. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371D. Discrete Optimization.
A study of some fundamental techniques in discrete optimization. Topics include discrete optimization, linear programming, integer programming, integer nonlinear programming, dynamic programming, location problem, scheduling problem, transportation problem, postman problem, traveling salesman problem, matroids, and NP-completeness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371E. Algorithms and Complexity.
A study of some fundamental concepts of computability and complexity. Topics include polynomially bounded problems, NP-complete problems, exponentially hard problems, undecidable problems, and reducibility. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371F. Probabilistic Methods in Discrete Mathematics.
A study of some fundamental probabilistic techniques used to solve problems in graph theory, combinatorics, combinatorial number theory, combinatorial geometry, and algorithm. Topics include linearity of expectation, alterations, second moment, local lemma, correlation inequalities, martingales, Poisson paradigm, and pseudo-randomness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371G. Applied Discrete Mathematics.
This course introduces fundamental concepts in logic, Boolean algebra, and binomial coefficients; and applications in different fields such as complexity of algorithms and network theory. Prerequisites: MATH 2472 and MATH 4307, all with a grade of “C” or better, or with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371H. Combinatorial Networks.
Combinatorial Networks is an area of study of certain types of networks using combinatorial methods extensively. This course introduces fundamental basics as well as the latest development in this area of research. Prerequisite: MATH 5307/7307 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375C. Time Series Analysis.
A study of the theory of time-dependent data. The analysis includes modeling, estimation, and testing; alternating between the time domain; using autoregressive and moving average models and the frequency domain; and using spectral analysis. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375D. Advanced linear Modeling.
The course provides an extension of regression methodology to more general settings where standard assumptions for ordinary least squares are violated. Topics include generalized least squares, robust regression, bootstrap, regression in the presence of autocorrelated errors, generalized linear models, and logistic and Poisson regression. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378A. Problem Solving, Reasoning, and Proof.
A study of the fundamental concepts of problem solving, logic, set theory, and mathematical proof and applications of these concepts in mathematics curriculum for grades P-20. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378B. Connecting and Communicating Math.
This course examines one of the basic principles involved in mathematics education: Connecting and Communicating Mathematics. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378C. Representing Fundamental Math Ideas (Function, Data Analysis, and Enumeration).
This course examines the basic principles involved in mathematics education. The process of representing fundamental mathematical ideas will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378D. Math Technologies.
This course examines the basic principles involved in mathematics education: Technology. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378E. Developmental Mathematics Perspectives.
This course examines developmental mathematics-specific strands including technological course support and placement tools/decisions. Issues related to the first mathematics core course required of undergraduates will aslo be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7378F. Research on Mathematical Problem Solving in Secondary Schools.
In this course a careful study is made of elementary techniques for problem solving in a variety of domains, including algebra, number theory, combinatorics, geometry, and logic puzzles. Students will learn these techniques by actually working on a collection of problems in each of these areas. Students will read and examine research about various aspects of problem solving and research in math education that includes both teacher training and student learning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7378G. Discourse Processes, Traditions, and Analysis in Mathematics Education.
Discourse and discourse analysis have been used to answer research questions across disciplines throughout the humanities and social sciences. This course will focus on theory and methods for the analysis of discourse in mathematical settings. We will learn how different approaches to discourse are used to understand mathematics learning. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7385. Independent Study in Mathematics.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of mathematics. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7386. Independent Study in Mathematics Education.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of Mathematics Education. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7389. Internship.
Students will work under the supervision of a faculty member to gain practical knowledge in Mathematics Education. Student experience can come from industry, government agencies, or other sources but must directly apply to furthering knowledge of mathematics education or its application.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7396. Mathematics Education Research Seminar.
Collaborative research projects with faculty through identifying an educational issue, reviewing literature, creating a research question, designing a methodology, analyzing data, drawing conclusions, implications, and creating a draft of a publishable paper. Prerequisite: MATH 7356, and ED 7352 or MATH 7346, all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7399A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7599A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7699A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7999A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 7301. Theory and Research of Literacy.
This course examines the current theories and basic research of literacy development from psychological, cultural, linguistic, educational, and epistemological frameworks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7302. Theory and Research of College Basic Literacy.
This course examines basic literacy needs and instructional strategies for students within post-secondary institutions. Explored are etiologies; comparison of basic to academic literacy; analysis of instructional strategies and materials for developing phonemic awareness, decoding, vocabulary, fluency, and comprehending in single sources of information. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7303. Theory and Research of College Academic Literacy.
This course examines basic literacy needs and instructional strategies for students in college. Explored are etiologies; comparison of academic workplace, and new literacies; instructional strategies and materials for developing vocabulary, comprehending, and critical and strategic reading in multiple sources of information. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7304. Theory and Research of Literacy Instruction for Culturally and Linguistically Diverse Readers.
This course examines the historical and contemporary understandings of language acquisition and instruction; foundational knowledge of literacy research and cultural and linguistic difference; instructional practices, including culturally responsive instruction, linguistic differences, and creating supportive literacy environments; curriculum, assessment, and evaluation; and critical literacy perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7305. Theory and Research of College Literacy Assessment.
This course reviews literacy assessment theory, research, policy, and practice in pre-school through grade 20 including accountability, standard-based curriculum, cultural and linguistic effects, assessment driven instruction, reliability and validity, interpretation, and types of instruments: high-staked, placement, diagnostic, classroom tests, and qualitative instruments. Prerequisites: RDG 7301, RDG 7302, RDG 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7306. Literacy Research Seminar.
Doctoral students participate in weekly research seminar that explore research and policy papers in literacy and literacy education, examine their methodolgoy and conclusions, and consider additional research questions. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7307E. Theory, Research and Practice of Disciplinary Literacies.
This course examines core principles of disciplinary literacies. Students will examine the theory, research and pedagogical practices of literacies across the disciplines with an emphasis on understanding the potential for post-secondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 7371. Theory and Research of Postsecondary Integrated Reading and Writing.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7372. Theory and Research of New Literacies Studies in Developmental Education.
This course focuses on the theory and research of New Literacies Studies which affects instructional practice in post-secondary developmental education. It includes an examination of diverse theories and models of multiple digital technology literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7373. Community Literacies.
This course focuses on exploring, understanding, refining, and reflecting on literacy as social practices within a community that informs effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project. Prerequisite: RDG 7301 or RDG 7302 or RDG 7303 all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Doctor of Education (Ed.D.) Major in Developmental Education (Developmental Literacy Concentration)

The Department of Curriculum and Instruction in the College of Education at Texas State offers a Ed.D. in Developmental Education (DE) that produces highly-qualified program leaders and practitioners in DE programs. The Ed.D. is designed to fill the urgent need for advanced research in an emerging field that serves those who are underprepared for postsecondary education.

Mission Statement

The Doctoral program in Developmental Education within the Department of Curriculum and Instruction prepares future scholars, researchers, leaders, administrators, instructors, and practitioners in the field of developmental education. Both rigorous and supportive, the program aims to advance theory, research, and practice in multiple areas of developmental education — including developmental literacy, learning support, and developmental mathematics — by actively engaging students in teaching, scholarship, and professional service. As a multidisciplinary program, the faculty, staff, and students work collaboratively across various academic disciplines, diverse communities, and geographic boundaries.

Educational Goal

Major educational objectives for the programs include the following:

- To prepare DE professionals who engage in divergent and critical thinking, are culturally competent, and are skilled in maximizing technology applications for learning and communication;
- To prepare DE professionals who understand and can respond to the nature and needs of students who enroll in DE programs; the complexities of motivation, teaching, learning, and assessment in DE settings; the cultural, political, and social systems that create inequities in educational settings; and the structure and management of DE programs;
- To prepare DE professionals with sophisticated research skills that will enable them to critically evaluate DE programs and practices and implement research agendas that will inform practice and policy;
- To prepare DE professionals who will serve as leaders in the DE profession who can engage in institutional leadership, program administration, and innovative program development and evaluation that will promote systemic change and improvement.

Advising

Advising takes three forms: the initial advisor, the program mentor, and the dissertation advisor. When students are first admitted, they are assigned an initial advisor who mentors them from entry through their first year benchmarks in the program. By the end of the first year, students formally ask a faculty member to be their program mentor who advises them from the end of their first year until their comprehensive exams. At a time no later than the completion of their comprehensive exams, students then select a dissertation advisor who is the chair of their dissertation committee, which must be formed at that time. These advising roles can be assumed by the same faculty member or different faculty members depending on students' research interests and foci.

In their first term, students will construct a program plan with the assistance of their initial advisor. The program plan is a focused, detailed description of the doctoral student's proposed course work, specialization, and goals for the doctoral program. The program plan will be submitted to the doctoral program plan committee for approval and suggestions. The program plan must include the following:

- goal statement that includes doctoral study goals (including specialization) and future professional goals
- professional curriculum vitae
- course work plan. This is the appropriate place for petitioning for course transfer for graduate work done previously (there is a 5-year time limit on any course work counting toward candidacy).

The student should work with their advisor for direction while completing the program plan prior to submitting it to the program plan committee. It is **due to the program plan committee by November 15** in the fall term of the student's first year of study. After the program plan committee reviews the student's program plan, a meeting may be scheduled with the student for further review of the plan.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree in a field relevant to developmental education from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA (on a 4.0 scale) in all completed graduate course work
- official GRE (general test only) with competitive scores in the verbal reasoning, quantitative reasoning, and analytical writing sections
- resume/CV
- statement of purpose (500 words) demonstrating the student's research interest and goals as a developmental educator and potential to contribute to the advancement of scholarly work in the field of developmental education. Students should discuss relevant teaching, research, and/or policy experience as well as clear evidence of a commitment to research and scholarship.
- three letters of recommendation addressing the student's professional and academic background

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Education (Ed.D.) degree with a major in Developmental Education concentration in Developmental Literacy requires 66 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
DE 7301	Understanding Developmental Education Learners in a Diverse Society	3
DE 7302	Policy and Politics in Developmental Education	3
DE 7303	Teaching and Learning in Developmental Education	3
DE 7305	Multicultural Education in a P-16 Context	3
DE 7380	Managing Developmental Education Programs	3
CI 7101	Introduction to the Research Experience	1
CI 7101	Introduction to the Research Experience	1
CI 7101	Introduction to the Research Experience	1
CI 7302	Research Methods and Measurement in Education	3
CI 7351	Beginning Quantitative Research Design and Analysis	3
CI 7352	Beginning Qualitative Design and Analysis	3
Concentration		
Choose 21 hours from the following:		21
RDG 7301	Theory and Research of Literacy	
RDG 7302	Theory and Research of College Basic Literacy	
RDG 7303	Theory and Research of College Academic Literacy	
RDG 7304	Theory and Research of Literacy Instruction for Culturally and Linguistically Diverse Readers	
RDG 7305	Theory and Research of College Literacy Assessment	
RDG 7306	Literacy Research Seminar	
RDG 7307B		
RDG 7372	Theory and Research of New Literacies Studies in Developmental Education	
ENG 7300	Language Problems in a Multicultural Environment	
ENG 7316	Foundations in Rhetoric and Composition	
ENG 7317	Specializations in Rhetoric and Composition	
ENG 7326	Contemporary Composition Theory	
ENG 7383	Studies in Rhetorical Theory	
DE 7381	Practicum	
CI 7303	Educational and Psychological Measurement and Assessment	
CI 7360	Designing Educational Research	
Elective		
Choose 3 hours from the following:		3
CI 7353	Intermediate Quantitative Research Design and Analysis	
CI 7354	Intermediate Qualitative Design and Analysis	
Free Electives		
Choose 3 hours of advisor-approved electives		3
Dissertation		
Choose a minimum of 12 hours from the following:		12
DE 7199	Dissertation	
DE 7299	Dissertation	
DE 7399	Dissertation	
DE 7599	Dissertation	
DE 7699	Dissertation	
DE 7999	Dissertation	
Total Hours		66

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Application for Advancement to Candidacy

Once all course work (except for dissertation course work) has been completed, the comprehensive exams have been passed, and the dissertation proposal has been successfully defended, doctoral students will apply for advancement to candidacy. Candidacy must be achieved within five (5) years of initiating program course work. No credit will be applied toward the doctoral degree for course work completed more than five (5) years before the date on which the student is advanced to candidacy. This time limit applies toward credit earned at Texas State as well as credit transferred to Texas State from other accredited institutions. Requests for a time extension must be made to the program, which in turn submits a recommendation to The Graduate College. Achieving doctoral candidacy allows the student to begin doctoral dissertation research. Candidacy forms are found here: http://www.gradcollege.txstate.edu/Fac_Resources/Forms.html.

Grade-Point Requirements for Advancement to Candidacy

To be eligible for advancement to candidacy, the student must have a minimum GPA of 3.0. No grade earned below a "B" on any graduate course may apply toward a doctorate at Texas State. Incomplete grades must be cleared through The Graduate College before a student can be approved for advancement to candidacy.

Comprehensive Exams

All students in the Doctoral Program in Developmental Education are required to pass a Comprehensive Examination at the conclusion of coursework, prior to moving into the dissertation phase of the program. The purposes of this exam are to demonstrate mastery of the coursework content and preparation for independent research. Ideally, this process will begin during students' last semester of coursework, and will be completed before the conclusion of the semester following.

Students will first discuss an overall problem or issue and focus with their adviser for initial approval. Students will then form a comprehensive exam committee that is comprised of, at least, their adviser (as Chair) and two other faculty members from the Developmental Education program. Once the committee is formed, students will complete a prospectus and arrange a prospectus meeting.

The prospectus meeting will consist of a brief oral presentation (student) and questions posed by committee members. The prospectus will be evaluated in terms of its appropriateness for the comprehensive exam and the feasibility of the proposed work. Students will either be granted approval to proceed with the exam or will be asked to revise and resubmit at the conclusion of the prospectus meeting. Once the prospectus is approved, students are cleared to begin working on the entire exam. When the exam is complete, students will distribute the finished product to the entire committee all at once and schedule an exam oral defense.

Dissertation Proposal

At a time no later than the completion of their Comprehensive Exams, students must select a dissertation advisor. After selecting their dissertation advisor, and before beginning their dissertation proposal, students will form a dissertation committee that will provide technical support for the inception, conduct, and completion of the dissertation research study and evaluate the final product. The student will undertake the research and write the dissertation under the guidance of their dissertation advisor. The dissertation proposal must be successfully defended and approved by the dean of The Graduate College before a student can be advanced to candidacy. Information about the dissertation procedures can be found in the Dissertation tab.

Students must submit the dissertation proposal and one copy of the official "Dissertation Proposal form" (available on The Graduate College website) to the dissertation advisor. After obtaining committee members' signatures, the student must submit the dissertation proposal and dissertation proposal form to the program director for signature. The form also requires evidence of the IRB approval for any research involving human subjects. The program director will then forward the dissertation proposal and form through the department chair to the dean of The Graduate College for final approval. Final approval must be received before proceeding with the defense of the dissertation proposal. The Dissertation Proposal form may be obtained from The Graduate College website.

Defense of the Dissertation Proposal

Students must defend the dissertation proposal in a meeting that begins with a public presentation and continues with an oral examination by the dissertation committee. The examination will address the proposed dissertation topic (problem definition and scope), relevant literature, and research method. The dissertation committee must sign the "Defense of the Dissertation Proposal form" to indicate approval and then submit the form for the signature of the doctoral program director and the department chair. The approved Defense of the Dissertation Proposal form must be forwarded to the dean of The Graduate College. The dissertation proposal must be approved and the Defense of the Dissertation Proposal form must be on file in The Graduate College before any student can advance to candidacy and begin dissertation research.

Recommendation for Advancement to Candidacy

The dissertation committee recommends the applicant for advancement to candidacy to the doctoral program director, the department chair, and the dean of The Graduate College. The dean of The Graduate College certifies the applicant for advancement to candidacy once all requirements have been met. To be eligible for admission to candidacy the student must have successfully completed the comprehensive exam, completed all course work, and successfully defended the dissertation proposal.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must be an original contribution to scholarship and the result of independent investigation in a significant area. Preparation of the dissertation must follow the latest edition of the *Publication Manual of the American Psychological Association*.

Dissertation Enrollment Requirements

Any time a student is receiving official guidance on the dissertation, the student must be enrolled in a dissertation course. A student must maintain continuous enrollment in dissertation hours every term from the time they advance to candidacy until the dissertation is defended and approved. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred. Students must enroll in a minimum of 12 dissertation credit hours.

Dissertation Time Limit

Students must complete the dissertation within five (5) years of advancement to candidacy. The student's dissertation advisor, with the student's dissertation committee, will review the student's progress annually.

Dissertation Advisor and dissertation committee

The dissertation committee must be composed of four approved doctoral graduate faculty members. The doctoral student must select a minimum of four committee members, one of which must be outside the program. The chair of the dissertation committee must be from the program. All committee members must hold at least associate doctoral faculty status, and chairs must hold core doctoral faculty status. To form the dissertation committee, the "Dissertation Committee Request form" must be completed and signed by the student, committee members, committee chair, doctoral program director, and the department chair and then forwarded to the dean of The Graduate College for approval and signature. The required Dissertation Committee Request form may be obtained from The Graduate College website.

Committee Changes

Any changes to the dissertation committee must be submitted for approval to the dissertation advisor, the doctoral program director, the department chair, and the dean of The Graduate College. Changes must be submitted no less than sixty (60) days before the final dissertation defense. The "Dissertation Advisor/Committee Member Change Request form" may be obtained from The Graduate College website.

Defense of the Dissertation

All dissertations must meet the following requirements as judged by the student's dissertation committee:

1. a systematic investigation of a problem,
2. informed by previous theory and research,
3. that adds to the body of knowledge in the area of investigation, and
4. is presented in a form capable of dissemination to scholars and practitioners.

Students must pass the final oral examination that covers the dissertation and the general field of the dissertation. Students must defend the dissertation in a meeting that begins with a public presentation and continues with an oral exam by the dissertation committee. Before scheduling the final oral exam, the student must have received approval of the dissertation advisor. A completed dissertation defense report must be submitted according to the schedule posted by the dean of The Graduate College and no later than ten days before the date of graduation. The student must complete all aspects of the dissertation, including successful defense and submission of the dissertation to The Graduate College, within five (5) years of advancement to candidacy.

Approval and Submission of the Dissertation and Abstract

The approval of the dissertation and abstract requires positive votes from the dissertation advisor and from a majority of the dissertation committee members. Once the committee has approved the dissertation, one copy of the dissertation and the signed "Committee Approval form" must be submitted to the dean of The Graduate College for final approval. Refer to the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation* for specific guidelines.

Doctoral level courses in Developmental Education: CI (p.), DE (p.), ENG (p. 1142), MATH (p. 1142), RDG (p. 1147)

Courses Offered

Curriculum and Instruction (CI)

CI 7101. Introduction to the Research Experience.
This course is designed to introduce students to the department and to the ongoing research activities of its faculty. Emphasis is placed on identifying and coordinating opportunities for joint research and scholarship among faculty and students. Students must enroll in the course for three semesters before dissertation.
1 Credit Hour. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7302. Research Methods and Measurement in Education.
This course provides a comprehensive introduction to educational research with a focus on research design, research methods and methodology, and fundamental measurement issues in quantitative, qualitative, and mixed-methods research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7303. Educational and Psychological Measurement and Assessment.
Philosophical and empirical foundations of measurement, assessment, testing, and evaluation. Topics include philosophical and mathematical foundations in research; empirical levels and measurement description; test construction; observational rating scales; measurement interpretation; social, legal, and ethical implications; item analysis/refinement for scale performance; reliability and validity evidence; and standardized and placement tests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7310. Teaching in College.
Teaching strategies for teaching/instructional assistants focused on creating syllabi, adapting to diverse student populations, collaborating with colleagues and staff; implementing active learning strategies; fostering assigned reading; assessing learning; and integrating technology. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CI 7326. Grant Development and Management.
Course focuses on developing competitive grant proposals and understanding grant management resources. Strategies will encompass locating funding sources, evaluating proposals, developing proposals and budgets, and methods of meeting accountability requirements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7351. Beginning Quantitative Research Design and Analysis.
This course introduces students to quantitative research design and analysis. Topics include descriptive statistics; sampling techniques; statistical inference, including the null hypothesis, significance tests, and confidence intervals; and causal-comparative analyses, including t-test and ANOVA. Departmental Approval required. Prerequisite or concurrent enrollment in: CI 7302 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7352. Beginning Qualitative Design and Analysis.
This course introduces students to the qualitative paradigm. Topics include distinctive features, alternative qualitative traditions, purposeful sampling, common data collection methods, inductive analysis, the role of the researcher, and evaluating qualitative research. Prerequisite: CI 7302 with a grade of "B" or better, or can be taken concurrently. Departmental approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7353. Intermediate Quantitative Research Design and Analysis.
This course focuses on intermediate quantitative research design and statistical methods of data analysis related to problems in education, psychology, sociology, and biological sciences. The general linear model based univariate and selected multivariate statistical techniques are examined including theory/purpose, logic, practical implications, and interpretation of various analytic techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7354. Intermediate Qualitative Design and Analysis.
This course focuses on issues in design and implementation of qualitative research. Topics include influence of alternative traditions, literature in qualitative research, access to the field and ethical issues, researcher-participant relationships, purposeful sampling strategies, inductive analysis procedures, developing theory, and reporting research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7355. Mixed Methods in Research and Evaluation.
This course will cover mixed methods research designs that can be used in the evaluation of educational interventions and programs. Topics include mixed methods research designs; program evaluation models; quantitative and qualitative data analysis and interpretation; reading mixed methods research articles; and writing mixed methods research proposals and evaluation reports. Prerequisite: CI 7351 and CI 7352 all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7358. Theoretical and Conceptual Frameworks in Qualitative Research.
Intended for those versed in current paradigmatic and epistemological states of human inquiry, presenting an opportunity to design a research project and to address the major issues of a research career. Prerequisites: ED 7352, ED 7354.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7359. Seminar in Quantitative Research.
This course is a small group seminar that focuses on analytic strategies specific to the doctoral student's dissertation topic. Examples include structural equation modeling, hierarchical linear modeling, log linear modeling, non-parametric analyses, factor analysis, factorial analysis of variance, and other multivariate statistical methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7360. Designing Educational Research.
Students identify problems in developmental education and develop a strategic proposal to apply to these problems. Students, then, create an evaluation plan to assess the implementation of their proposal. Students develop skills in critiquing research reports and in synthesizing research from developmental education. Prerequisite: ED 7353 or ED 7354.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7378. Independent Study.
Individual problems or topics will be designed and completed to emphasize selected areas of study in the Department of Curriculum and Instruction. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7386. Directed Research.
Students will participate in an authentic research experience, either by working as part of a doctoral faculty member's research team or developing an original research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7389A. Topics in Instructional Technology.
This topic offers an in-depth study of systematic instructional design emphasizing the selection and use of appropriate media for delivering instruction to maximize student learning. Special emphasis in this topic is on the leader's role in influencing the use of technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CI 7389C. Special Topics: Race Theory in Educational Research.
This course will explore racial theories and paradigms applicable to the study of race in K-20 educational settings. Students will analyze foundational scholarship in the formation of racial theories, research methodology, key tenets of race research, and literature pertinent to current trends in educational research regarding race.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Developmental Education (DE)

DE 7199. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7299. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7301. Understanding Developmental Education Learners in a Diverse Society.
This course identifies the evolution, characteristics, demographics, and needs of developmental education learners. Emphasis is placed on understanding internal factors, including the cognitive, affective, and psychosocial needs of these students, as well as on analyzing external factors, including the social, political and institutional forces that impact developmental learners' educational experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7302. Policy and Politics in Developmental Education.
This course addresses the policy and politics of planning, funding, implementing, and evaluating Developmental Education programs in postsecondary education. Readings and discussions focus on current and historical issues relevant to addressing the academic needs of educationally disadvantaged students from the perspective of researchers, program directors, policy analysts, and instructors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7303. Teaching and Learning in Developmental Education.
The course focuses on the institutional development, intellectual development, learner development, and self-development for effective teaching and learning in developmental education. Topics include instructional and learner theories, pedagogies, assessment and evaluation techniques, and best practices for instruction and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7304A. Curriculum Design in Developmental Education.
This course focuses on principles and processes of curriculum design and implementation in developmental education contexts, including examination of emerging research and issues. The course pedagogy also engages students in independent curriculum research, planning, and problem-solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

DE 7304B. Theory and Research of Digital Literacies.
This course focuses on understanding the complex relationships between technology, teaching, and learning in varied developmental education environments. Tools and strategies for planning, integrating, and assessing technology-supported instruction are explored within frameworks linking theory to practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

DE 7304C. Student Motivation and Self-Regulation.
This course focuses on research-based theories of student motivation and self-regulation and highlights practical applications of these theories for students in developmental education contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7304D. Transformative Learning.
This course introduces students to the core principles of transformative learning. The course is a theory-driven, project-based advanced class designed to enable students to develop theoretical perspectives, engage in intensive practice, and understand the use of transformative learning for applications with postsecondary individuals, groups, and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7304E. Current Topics in Motivation Intervention Research.
In this course, we will analyze, synthesize, discuss, and apply cutting-edge research on various types of motivation interventions in education. Emphasis will be placed on theory, research, and practice in postsecondary educational settings and developmental education contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7305. Multicultural Education in a P-16 Context.
This course uses critical multicultural framework to trace the evolution of the developmental learner in a P-16 educational system. Students in this examine school practices and policies in an attempt to map the educational trajectory and improve the educational experiences of P-16 underrepresented and underserved students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7321. The Community College.
Introduction to community college and to its roles and functions in American education. Special attention will be directed to evolution, development and patterns of organization, purposes, programs, personnel and current issues of the community college.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7322. Learning Support Centers in Postsecondary Settings.
The course explores the learning assistance movement in postsecondary settings including its history, leaders, and current research. Topics include program planning; leadership, organization, and management; human and financial resources; facilities and equipment; legal responsibilities; equal opportunity and access; diversity; ethics; campus and community relations; and assessment and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7323. Academic Support for Students with Learning Disabilities.
The course focuses on Learning Disabilities (LD) and Executive Function (EF) Disorders and their nature, prevalence, and significance in postsecondary environments. Topics include theories about the origins and nature of LD and EF, development across the lifespan, characteristics of individuals, and approaches to service, delivery and teaching.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking skills in the college and adult classroom. Topics will include variables in teaching and learning, methods of assessment, and approaches to instruction. Students who have taken EDP 5371 or DAE 5371 cannot take this course for doctoral credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7325. Advising, Coaching, and Mentoring Learners in Postsecondary Education.
The course will focus on theories and techniques of academic advising, coaching, and mentoring skills for learners enrolled in postsecondary education. Didactic and experiential activities will provide students enrolled in the course with opportunities to learn and practice skill development within these academic support programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7380. Managing Developmental Education Programs.
In this course, students will learn the theoretical and practical elements of management of developmental education programs in higher education. Readings and discussions focus generally on best practices in higher education leadership and specifically on best practices in leadership and management in developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7381. Practicum.
A 150-clock hour, one-semester practical experience in an institution or agency other than one's own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities to include program planning, management, budgeting, and/or evaluation.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 7390. Nature of Educational Inquiry.
Current paradigmatic and epistemological states of human inquiry are discussed presenting an opportunity to examine educational inquiry, create research knowledge related to the current state of the academy, and examine the issues of a research career.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7399. Dissertation.
Original research and writing in Developmental Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7599. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7699. Dissertation.
Original research and writing in Developmental Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7999. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

English (ENG)

ENG 7300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7314. Specializations in Professional and Technical Communication Topics.
Provides theoretical and practical information for specialized types of technical and professional communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7316. Foundations in Rhetoric and Composition.
A course providing students with theoretical, pedagogical, and/or methodological foundations in the field of rhetoric and composition. Emphases vary but may include Contemporary Composition Pedagogy, Basic Writing Theory and Practice, and Writing Assessment. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7317. Specializations in Rhetoric and Composition.
A course providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Across the Curriculum, Service Learning, Writing Center Theory and Practice, Computers and Writing, Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Techinical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Mathematics (MATH)

MATH 7111. Seminar in Teaching.
Seminar on individual study projects concerned with selected problems in the teaching of mathematics. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 7187. Seminar in Mathematics.
Students are required to attend weekly research seminars in mathematics and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7188. Seminar in Mathematics Education.
Students are required to attend weekly research seminars in Mathematics Education and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7199A. Dissertation.
Original research and writing in Mathematics Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7299A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7301. Studies in Mathematics.
This course provides basic foundations in Mathematics for students entering the doctoral program in Mathematics Education. This course may be repeated. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 7302. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7303. Analysis I.
This course covers foundations of modern analysis. Topics include: sequences, LimSup, LimInf, Sigma Algebras of sets that include open and closed sets, sequences of functions, pointwise and uniform convergence, lower and upper semi-continuity, Borel sets, outer measure, and Lebesgue measure. Prerequisite: MATH 4315.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7306. Current Research in Math Education.
This course surveys the various current social, political, and economic trends in local, state, national, and international settings that are related to research in Mathematics Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7307. Algebra I.
Applications of Algebra and topics in modern algebra, including permutation groups, symmetry groups, Sylow theorems, and select topics from Ring Theory. Prerequisite: MATH 4307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7309. Topology I.
A course in point-set topology emphasizing topological spaces, continuous functions, connectedness, compactness, countability, separability, metrizability, CWcomplexes, simplicial complexes, nerves, and dimension theory. Prerequisite: MATH 4330.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7313. Analysis II.
This course covers the theory of integration with special emphasis on Lebesgue integrals. Topics include: Lebesgue integral, Bounded Convergence theorem, differentiation and integration, absolute continuity, and Lp spaces. Prerequisite: Math 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7317. Algebra II.
A study of the important algebraic structures of rings and fields. Topics covered include rings, ideals, modules, polynomial rings, Euclidean algorithm, finite fields, and field extensions. Topics also include an introduction to Galois Theory with an emphasis on the geometric applications. Prerequisite: MATH 7307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7319. Topology II: Algebraic Topology.
This course covers the fundamental concepts and tools of algebraic topology. Topics include the fundamental group, covering spaces, homotopy type, the higher homotopy groups, singular homology theory, and the computation of homology groups via exact sequences and applications. Prerequisite: MATH 7307 and MATH 7309.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7321. Graph Theory.
Topics in this course include trees, connectivity of graphs, Eulerian graphs, Hamiltonian graphs, planar graphs, graph coloring, matchings, factorizations, digraphs, networks, and network flow problems. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7324. Curriculum Design & Analysis.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques that are related to curriculum design in Mathematics Education for grade levels P-16.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7325. Statistics 1.
A study of the mathematical and probabilistic underpinnings of the techniques used in statistical inference. Topics covered include sampling, sampling distributions, confidence intervals, and hypothesis testing with an emphasis on both simulations and derivations. Prerequisite: Math 2321 and Math 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7328. Instructional Techniques & Assessments.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques of instruction in Mathematics Education and the related assessment procedures for each for grade levels P-20.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7331. Combinatorics.
This course is a study of fundamental principles of combinatorics. Topics include: permutations and combinations, the Pigeonhole principle, the principle of inclusion-exclusion, binomial and multinomial theorems, special counting sequences, partitions, posets, extremal set theory, generating functions, recurrence relations, and the Polya theory of counting. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7335. Statistics II: Linear Modeling.
A study of the formulation and statistical methodologies for fitting linear models. Topics include the general linear hypothesis, least-squares estimation, Gauss-Markov theorem, assessment of model fit, effects of departures from assumptions, model design, and criteria for selection of optimal regression models. Prerequisite: MATH 3377 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7346. Quantitative Research Analysis in Mathematics Education.
This course surveys the various research techniques used in quantitative analysis for mathematics education and covers topics such as experimental design, statistical analysis, and use of appropriate design methodologies to achieve the strongest possible evidence to support or refute a knowledge claim. Prerequisite: MATH 7306 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7356A. Advanced Quantitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in quantitative research. Prerequisite: MATH 7346.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7356B. Advanced Qualitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in qualitative research. Prerequisite: ED 7352 or CI 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7356C. Action Research in Mathematics Education.
This course examines underlying theory and issues in action research model and the development of action research projects. Prerequisites: MATH 7346 or ED 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7361. Seminar in Advanced Mathematics.
Material in course will vary with the interest of students and faculty. A detailed study of subject matter may be chosen from advanced areas of analysis; algebra; topology and geometry; applied mathematics; and probability and statistics. This course is repeatable for credit when subject matter varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7366A. Teaching Post-Secondary Students (Developmental Math, Service Courses, and Majors).
This course examines how to develop and teach post-secondary students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisites: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366B. Teaching K-12 Students (Elementary, Middle School, and High School).
This course examines how to develop and teach K-12 students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366C. Teaching Teachers (In-Service; Pre-Service).
This course examines how to prepare teachers of mathematics. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366D. Teaching Specialized Content.
This course will be an in-depth study of a specialized content area in mathematics with an emphasis on teaching. The specific content area will vary by instructor. Examples include Euclidean Simplex Geometry and Discrete Probability Spaces with Implications for Public School Curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366E. Developmental Mathematics Curriculum.
This course surveys the research, development, and evaluation of the scope and sequence of developmental mathematics curriculum. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7366F. Research in Undergraduate Mathematics Education I.
Students will develop the requisite knowledge to become a good consumer of Research in Undergraduate Mathematics Education (RUME) research. The course will cover the theoretical underpinnings of current and historic RUME research. Students will develop the knowledge to understand relevant theoretical stances and the role they play in research. Prerequisite: Math 7306 or permission from the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7371A. Advanced Graph Theory.
Topics in this course include Turan's problems, Ramsey theory, random graph theory, extremal graph theory, algebraic graph theory, domination of graphs, distance problems, and applications. Prerequisite: MATH 7321.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371B. Advanced Combinatorics.
Topics in this course include Block designs, Latin squares, combinatorial optimization problems, coding theory, matroids, difference sets, and finite geometry. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371C. Combinatorial Number Theory.
A study of fundamental techniques in combinatorial number theory. Topics will include Waring's problem, additive number theory, and probabilistic methods in number theory. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371D. Discrete Optimization.
A study of some fundamental techniques in discrete optimization. Topics include discrete optimization, linear programming, integer programming, integer nonlinear programming, dynamic programming, location problem, scheduling problem, transportation problem, postman problem, traveling salesman problem, matroids, and NP-completeness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371E. Algorithms and Complexity.
A study of some fundamental concepts of computability and complexity. Topics include polynomially bounded problems, NP-complete problems, exponentially hard problems, undecidable problems, and reducibility. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371F. Probabilistic Methods in Discrete Mathematics.
A study of some fundamental probabilistic techniques used to solve problems in graph theory, combinatorics, combinatorial number theory, combinatorial geometry, and algorithm. Topics include linearity of expectation, alterations, second moment, local lemma, correlation inequalities, martingales, Poisson paradigm, and pseudo-randomness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371G. Applied Discrete Mathematics.
This course introduces fundamental concepts in logic, Boolean algebra, and binomial coefficients; and applications in different fields such as complexity of algorithms and network theory. Prerequisites: MATH 2472 and MATH 4307, all with a grade of “C” or better, or with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371H. Combinatorial Networks.
Combinatorial Networks is an area of study of certain types of networks using combinatorial methods extensively. This course introduces fundamental basics as well as the latest development in this area of research. Prerequisite: MATH 5307/7307 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375C. Time Series Analysis.
A study of the theory of time-dependent data. The analysis includes modeling, estimation, and testing; alternating between the time domain; using autoregressive and moving average models and the frequency domain; and using spectral analysis. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375D. Advanced linear Modeling.
The course provides an extension of regression methodology to more general settings where standard assumptions for ordinary least squares are violated. Topics include generalized least squares, robust regression, bootstrap, regression in the presence of autocorrelated errors, generalized linear models, and logistic and Poisson regression. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378A. Problem Solving, Reasoning, and Proof.
A study of the fundamental concepts of problem solving, logic, set theory, and mathematical proof and applications of these concepts in mathematics curriculum for grades P-20. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378B. Connecting and Communicating Math.
This course examines one of the basic principles involved in mathematics education: Connecting and Communicating Mathematics. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378C. Representing Fundamental Math Ideas (Function, Data Analysis, and Enumeration).
This course examines the basic principles involved in mathematics education. The process of representing fundamental mathematical ideas will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378D. Math Technologies.
This course examines the basic principles involved in mathematics education: Technology. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378E. Developmental Mathematics Perspectives.
This course examines developmental mathematics-specific strands including technological course support and placement tools/decisions. Issues related to the first mathematics core course required of undergraduates will aslo be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7378F. Research on Mathematical Problem Solving in Secondary Schools.
In this course a careful study is made of elementary techniques for problem solving in a variety of domains, including algebra, number theory, combinatorics, geometry, and logic puzzles. Students will learn these techniques by actually working on a collection of problems in each of these areas. Students will read and examine research about various aspects of problem solving and research in math education that includes both teacher training and student learning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7378G. Discourse Processes, Traditions, and Analysis in Mathematics Education.
Discourse and discourse analysis have been used to answer research questions across disciplines throughout the humanities and social sciences. This course will focus on theory and methods for the analysis of discourse in mathematical settings. We will learn how different approaches to discourse are used to understand mathematics learning. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7385. Independent Study in Mathematics.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of mathematics. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7386. Independent Study in Mathematics Education.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of Mathematics Education. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7389. Internship.
Students will work under the supervision of a faculty member to gain practical knowledge in Mathematics Education. Student experience can come from industry, government agencies, or other sources but must directly apply to furthering knowledge of mathematics education or its application.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7396. Mathematics Education Research Seminar.
Collaborative research projects with faculty through identifying an educational issue, reviewing literature, creating a research question, designing a methodology, analyzing data, drawing conclusions, implications, and creating a draft of a publishable paper. Prerequisite: MATH 7356, and ED 7352 or MATH 7346, all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7399A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7599A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7699A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7999A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 7301. Theory and Research of Literacy.
This course examines the current theories and basic research of literacy development from psychological, cultural, linguistic, educational, and epistemological frameworks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7302. Theory and Research of College Basic Literacy.
This course examines basic literacy needs and instructional strategies for students within post-secondary institutions. Explored are etiologies; comparison of basic to academic literacy; analysis of instructional strategies and materials for developing phonemic awareness, decoding, vocabulary, fluency, and comprehending in single sources of information. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7303. Theory and Research of College Academic Literacy.
This course examines basic literacy needs and instructional strategies for students in college. Explored are etiologies; comparison of academic workplace, and new literacies; instructional strategies and materials for developing vocabulary, comprehending, and critical and strategic reading in multiple sources of information. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7304. Theory and Research of Literacy Instruction for Culturally and Linguistically Diverse Readers.
This course examines the historical and contemporary understandings of language acquisition and instruction; foundational knowledge of literacy research and cultural and linguistic difference; instructional practices, including culturally responsive instruction, linguistic differences, and creating supportive literacy environments; curriculum, assessment, and evaluation; and critical literacy perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7305. Theory and Research of College Literacy Assessment.
This course reviews literacy assessment theory, research, policy, and practice in pre-school through grade 20 including accountability, standard-based curriculum, cultural and linguistic effects, assessment driven instruction, reliability and validity, interpretation, and types of instruments: high-staked, placement, diagnostic, classroom tests, and qualitative instruments. Prerequisites: RDG 7301, RDG 7302, RDG 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7306. Literacy Research Seminar.
Doctoral students participate in weekly research seminar that explore research and policy papers in literacy and literacy education, examine their methodolgoy and conclusions, and consider additional research questions. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7307E. Theory, Research and Practice of Disciplinary Literacies.
This course examines core principles of disciplinary literacies. Students will examine the theory, research and pedagogical practices of literacies across the disciplines with an emphasis on understanding the potential for post-secondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 7371. Theory and Research of Postsecondary Integrated Reading and Writing.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7372. Theory and Research of New Literacies Studies in Developmental Education.
This course focuses on the theory and research of New Literacies Studies which affects instructional practice in post-secondary developmental education. It includes an examination of diverse theories and models of multiple digital technology literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7373. Community Literacies.
This course focuses on exploring, understanding, refining, and reflecting on literacy as social practices within a community that informs effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project. Prerequisite: RDG 7301 or RDG 7302 or RDG 7303 all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Doctor of Education (Ed.D.) Major in Developmental Education (Developmental Mathematics Concentration)

The Department of Curriculum and Instruction in the College of Education at Texas State offers a Ed.D. in developmental education (DE) that produces highly-qualified program leaders and practitioners in DE programs. The Ed.D. is designed to fill the urgent need for advanced research in an emerging field that serves those who are underprepared for postsecondary education.

Mission Statement

The doctoral program in Developmental Education within the Department of Curriculum and Instruction prepares future scholars, researchers, leaders, administrators, instructors, and practitioners in the field of developmental education. Both rigorous and supportive, the program aims to advance theory, research, and practice in multiple areas of developmental education — including developmental literacy, learning support, and developmental mathematics — by actively engaging students in teaching, scholarship, and professional service. As a multidisciplinary program, the faculty, staff, and students work collaboratively across various academic disciplines, diverse communities, and geographic boundaries.

Educational Goal

Major educational objectives for the programs include the following:

- To prepare DE professionals who engage in divergent and critical thinking, are culturally competent, and are skilled in maximizing technology applications for learning and communication;
- To prepare DE professionals who understand and can respond to the nature and needs of students who enroll in DE programs; the complexities of motivation, teaching, learning, and assessment in DE settings; the cultural, political, and social systems that create inequities in educational settings; and the structure and management of DE programs;
- To prepare DE professionals with sophisticated research skills that will enable them to critically evaluate DE programs and practices and implement research agendas that will inform practice and policy;
- To prepare DE professionals who will serve as leaders in the DE profession who can engage in institutional leadership, program administration, and innovative program development and evaluation that will promote systemic change and improvement.

Advising

Advising takes three forms: the initial advisor, the program mentor, and the dissertation advisor. When students are first admitted, they are assigned an initial advisor who mentors them from entry through their first year benchmarks in the program. By the end of the first year, students formally ask a faculty member to be their program mentor who advises them from the end of their first year until their comprehensive exams. At a time no later than the completion of their comprehensive exams, students then select a dissertation advisor who is the chair of their dissertation committee, which must be formed at that time. These advising roles can be assumed by the same faculty member or different faculty members depending on students' research interests and foci.

In their first term, students will construct a program plan with the assistance of their initial advisor. The program plan is a focused, detailed description of the doctoral student's proposed course work, specialization, and goals for the doctoral program. The program plan will be submitted to the doctoral program plan committee for approval and suggestions. The program plan must include the following:

- goal statement that includes doctoral study goals (including specialization) and future professional goals
- professional curriculum vitae
- course work plan. This is the appropriate place for petitioning for course transfer for graduate work done previously (there is a 5-year time limit on any course work counting toward candidacy).

The student should work with their advisor for direction while completing the program plan prior to submitting it to the program plan committee. It is **due to the program plan committee by November 15** in the fall term of the student's first year of study. After the program plan committee reviews the student's program plan, a meeting may be scheduled with the student for further review of the plan.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree in a field relevant to developmental education from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA (on a 4.0 scale) in all completed graduate course work
- official GRE (general test only) with competitive scores in the verbal reasoning, quantitative reasoning, and analytical writing sections
- resume/CV

- statement of purpose (500 words) demonstrating the student's research interest and goals as a developmental educator and potential to contribute to the advancement of scholarly work in the field of developmental education. Students should discuss relevant teaching, research, and/or policy experience as well as clear evidence of a commitment to research and scholarship.
- three letters of recommendation addressing the student's professional and academic background

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Education (Ed.D.) degree with a major in Developmental Education concentration in Developmental Mathematics requires 66 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
DE 7301	Understanding Developmental Education Learners in a Diverse Society	3
DE 7302	Policy and Politics in Developmental Education	3
DE 7303	Teaching and Learning in Developmental Education	3
DE 7305	Multicultural Education in a P-16 Context	3
DE 7380	Managing Developmental Education Programs	3
CI 7101	Introduction to the Research Experience	1
CI 7101	Introduction to the Research Experience	1
CI 7101	Introduction to the Research Experience	1
CI 7302	Research Methods and Measurement in Education	3
CI 7351	Beginning Quantitative Research Design and Analysis	3
CI 7352	Beginning Qualitative Design and Analysis	3
Concentration		
Choose 21 hours from the following:		21
MATH 7111	Seminar in Teaching	
MATH 7188	Seminar in Mathematics Education	
MATH 7302	History of Mathematics	
MATH 7306	Current Research in Math Education	
MATH 7324	Curriculum Design & Analysis	
MATH 7328	Instructional Techniques & Assessments	
MATH 7366A	Teaching Post-Secondary Students (Developmental Math, Service Courses, and Majors)	
MATH 7366E	Developmental Mathematics Curriculum	
MATH 7378A	Problem Solving, Reasoning, and Proof	
MATH 7378B	Connecting and Communicating Math	
MATH 7378E	Developmental Mathematics Perspectives	
MATH 7386	Independent Study in Mathematics Education	
MATH 7396	Mathematics Education Research Seminar	
CI 7303	Educational and Psychological Measurement and Assessment	
CI 7360	Designing Educational Research	
DE 7381	Practicum	
Electives		
Choose 3 hours from the following:		3
CI 7353	Intermediate Quantitative Research Design and Analysis	
CI 7354	Intermediate Qualitative Design and Analysis	
Free Electives		
Choose 3 hours of advisor-approved electives		3
Dissertation		
Choose a minimum of 12 hours from the following:		12
DE 7199	Dissertation	
DE 7299	Dissertation	
DE 7399	Dissertation	
DE 7599	Dissertation	
DE 7699	Dissertation	
DE 7999	Dissertation	
Total Hours		66

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Application for Advancement to Candidacy

Once all course work (except for dissertation course work) has been completed, the comprehensive exams have been passed, and the dissertation proposal has been successfully defended, doctoral students will apply for advancement to candidacy. Candidacy must be achieved within five (5) years of initiating program course work. No credit will be applied toward the doctoral degree for course work completed more than five (5) years before the date on which the student is advanced to candidacy. This time limit applies toward credit earned at Texas State as well as credit transferred to Texas State from other accredited institutions. Requests for a time extension must be made to the program, which in turn submits a recommendation to The Graduate College. Achieving doctoral candidacy allows the student to begin doctoral dissertation research. Candidacy forms are found here: http://www.gradcollege.txstate.edu/Fac_Resources/Forms.html.

Grade-Point Requirements for Advancement to Candidacy

To be eligible for advancement to candidacy, the student must have a minimum GPA of 3.0. No grade earned below a "B" on any graduate course may apply toward a doctorate at Texas State. Incomplete grades must be cleared through The Graduate College before a student can be approved for advancement to candidacy.

Comprehensive Exams

All students in the Doctoral Program in Developmental Education are required to pass a Comprehensive Examination at the conclusion

of coursework, prior to moving into the dissertation phase of the program. The purposes of this exam are to demonstrate mastery of the coursework content and preparation for independent research. Ideally, this process will begin during students' last semester of coursework, and will be completed before the conclusion of the semester following.

Students will first discuss an overall problem or issue and focus with their adviser for initial approval. Students will then form a comprehensive exam committee that is comprised of, at least, their adviser (as Chair) and two other faculty members from the Developmental Education program. Once the committee is formed, students will complete a prospectus and arrange a prospectus meeting.

The prospectus meeting will consist of a brief oral presentation (student) and questions posed by committee members. The prospectus will be evaluated in terms of its appropriateness for the comprehensive exam and the feasibility of the proposed work. Students will either be granted approval to proceed with the exam or will be asked to revise and resubmit at the conclusion of the prospectus meeting. Once the prospectus is approved, students are cleared to begin working on the entire exam. When the exam is complete, students will distribute the finished product to the entire committee all at once and schedule an exam oral defense.

Dissertation Proposal

At a time no later than the completion of their Comprehensive Exams, students must select a dissertation advisor. After selecting their dissertation advisor, and before beginning their dissertation proposal, students will form a dissertation committee that will provide technical support for the inception, conduct, and completion of the dissertation research study and evaluate the final product. The student will undertake the research and write the dissertation under the guidance of their dissertation advisor. The dissertation proposal must be successfully defended and approved by the dean of The Graduate College before a student can be advanced to candidacy. Information about the dissertation procedures can be found in the Dissertation tab.

Students must submit the dissertation proposal and one copy of the official "Dissertation Proposal form" (available on The Graduate College website) to the dissertation advisor. After obtaining committee members' signatures, the student must submit the dissertation proposal and dissertation proposal form to the program director for signature. The form also requires evidence of the IRB approval for any research involving human subjects. The program director will then forward the dissertation proposal and form through the department chair to the dean of The Graduate College for final approval. Final approval must be received before proceeding with the defense of the dissertation proposal. The Dissertation Proposal form may be obtained from The Graduate College website.

Defense of the Dissertation Proposal

Students must defend the dissertation proposal in a meeting that begins with a public presentation and continues with an oral examination by the dissertation committee. The examination will address the proposed dissertation topic (problem definition and scope), relevant literature, and research method. The dissertation committee must sign the "Defense of the Dissertation Proposal form" to indicate approval and then submit the form for the signature of the doctoral program director and the department chair. The approved Defense of the Dissertation Proposal form must be forwarded to the dean of The Graduate College. The dissertation proposal must be approved and the Defense of the Dissertation Proposal form must be on file in The Graduate College before any student can advance to candidacy and begin dissertation research.

Recommendation for Advancement to Candidacy

The dissertation committee recommends the applicant for advancement to candidacy to the doctoral program director, the department chair, and the dean of The Graduate College. The dean of The Graduate College certifies the applicant for advancement to candidacy once all requirements have been met. To be eligible for admission to candidacy the student must have successfully completed the comprehensive exam, completed all course work, and successfully defended the dissertation proposal.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must be an original contribution to scholarship and the result of independent investigation in a significant area. Preparation of the dissertation must follow the latest edition of the *Publication Manual of the American Psychological Association*.

Dissertation Enrollment Requirements

Any time a student is receiving official guidance on the dissertation, the student must be enrolled in a dissertation course. A student must maintain continuous enrollment in dissertation hours every term from the time they advance to candidacy until the dissertation is defended and approved. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred. Students must enroll in a minimum of 12 dissertation credit hours.

Dissertation Time Limit

Students must complete the dissertation within five (5) years of advancement to candidacy. The student's dissertation advisor, with the student's dissertation committee, will review the student's progress annually.

Dissertation Advisor and dissertation committee

The dissertation committee must be composed of four approved doctoral graduate faculty members. The doctoral student must select a minimum of four committee members, one of which must be outside the program. The chair of the dissertation committee must be from the program. All committee members must hold at least associate doctoral faculty status, and chairs must hold core doctoral faculty status. To form the dissertation committee, the "Dissertation Committee Request form" must be completed and signed by the student, committee members, committee chair, doctoral program director, and the department chair and then forwarded to the dean of The Graduate College for approval and signature. The required Dissertation Committee Request form may be obtained from The Graduate College website.

Committee Changes

Any changes to the dissertation committee must be submitted for approval to the dissertation advisor, the doctoral program director, the department chair, and the dean of The Graduate College. Changes must be submitted no less than sixty (60) days before the final dissertation defense. The "Dissertation Advisor/Committee Member Change Request form" may be obtained from The Graduate College website.

Defense of the Dissertation

All dissertations must meet the following requirements as judged by the student's dissertation committee:

1. a systematic investigation of a problem,
2. informed by previous theory and research,
3. that adds to the body of knowledge in the area of investigation, and
4. is presented in a form capable of dissemination to scholars and practitioners.

Students must pass the final oral examination that covers the dissertation and the general field of the dissertation. Students must defend the dissertation in a meeting that begins with a public presentation and continues with an oral exam by the dissertation committee. Before scheduling the final oral exam, the student must have received approval of the dissertation advisor. A completed dissertation defense report must be submitted according to the schedule posted by the dean of The Graduate College and no later than ten days before the date of graduation. The student must complete all aspects of the dissertation, including successful defense and submission of the dissertation to The Graduate College, within five (5) years of advancement to candidacy.

Approval and Submission of the Dissertation and Abstract

The approval of the dissertation and abstract requires positive votes from the dissertation advisor and from a majority of the dissertation committee members. Once the committee has approved the dissertation, one copy of the dissertation and the signed "Committee Approval form" must be submitted to the dean of The Graduate College for final approval. Refer to the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation* for specific guidelines.

Doctoral level courses in Developmental Education: CI (p.), DE (p.), ENG (p. 1154), MATH (p. 1155), RDG (p. 1159)

Courses Offered

Curriculum and Instruction (CI)

CI 7101. Introduction to the Research Experience.
This course is designed to introduce students to the department and to the ongoing research activities of its faculty. Emphasis is placed on identifying and coordinating opportunities for joint research and scholarship among faculty and students. Students must enroll in the course for three semesters before dissertation.
1 Credit Hour. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7302. Research Methods and Measurement in Education.
This course provides a comprehensive introduction to educational research with a focus on research design, research methods and methodology, and fundamental measurement issues in quantitative, qualitative, and mixed-methods research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7303. Educational and Psychological Measurement and Assessment.
Philosophical and empirical foundations of measurement, assessment, testing, and evaluation. Topics include philosophical and mathematical foundations in research; empirical levels and measurement description; test construction; observational rating scales; measurement interpretation; social, legal, and ethical implications; item analysis/refinement for scale performance; reliability and validity evidence; and standardized and placement tests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7310. Teaching in College.
Teaching strategies for teaching/instructional assistants focused on creating syllabi, adapting to diverse student populations, collaborating with colleagues and staff; implementing active learning strategies; fostering assigned reading; assessing learning; and integrating technology. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CI 7326. Grant Development and Management.
Course focuses on developing competitive grant proposals and understanding grant management resources. Strategies will encompass locating funding sources, evaluating proposals, developing proposals and budgets, and methods of meeting accountability requirements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7351. Beginning Quantitative Research Design and Analysis.
This course introduces students to quantitative research design and analysis. Topics include descriptive statistics; sampling techniques; statistical inference, including the null hypothesis, significance tests, and confidence intervals; and causal-comparative analyses, including t-test and ANOVA. Departmental Approval required. Prerequisite or concurrent enrollment in: CI 7302 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7352. Beginning Qualitative Design and Analysis.
This course introduces students to the qualitative paradigm. Topics include distinctive features, alternative qualitative traditions, purposeful sampling, common data collection methods, inductive analysis, the role of the researcher, and evaluating qualitative research. Prerequisite: CI 7302 with a grade of "B" or better, or can be taken concurrently. Departmental approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7353. Intermediate Quantitative Research Design and Analysis.
This course focuses on intermediate quantitative research design and statistical methods of data analysis related to problems in education, psychology, sociology, and biological sciences. The general linear model based univariate and selected multivariate statistical techniques are examined including theory/purpose, logic, practical implications, and interpretation of various analytic techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7354. Intermediate Qualitative Design and Analysis.
This course focuses on issues in design and implementation of qualitative research. Topics include influence of alternative traditions, literature in qualitative research, access to the field and ethical issues, researcher-participant relationships, purposeful sampling strategies, inductive analysis procedures, developing theory, and reporting research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7355. Mixed Methods in Research and Evaluation.
This course will cover mixed methods research designs that can be used in the evaluation of educational interventions and programs. Topics include mixed methods research designs; program evaluation models; quantitative and qualitative data analysis and interpretation; reading mixed methods research articles; and writing mixed methods research proposals and evaluation reports. Prerequisite: CI 7351 and CI 7352 all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7358. Theoretical and Conceptual Frameworks in Qualitative Research.
Intended for those versed in current paradigmatic and epistemological states of human inquiry, presenting an opportunity to design a research project and to address the major issues of a research career. Prerequisites: ED 7352, ED 7354.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7359. Seminar in Quantitative Research.
This course is a small group seminar that focuses on analytic strategies specific to the doctoral student's dissertation topic. Examples include structural equation modeling, hierarchical linear modeling, log linear modeling, non-parametric analyses, factor analysis, factorial analysis of variance, and other multivariate statistical methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7360. Designing Educational Research.
Students identify problems in developmental education and develop a strategic proposal to apply to these problems. Students, then, create an evaluation plan to assess the implementation of their proposal. Students develop skills in critiquing research reports and in synthesizing research from developmental education. Prerequisite: ED 7353 or ED 7354.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7378. Independent Study.
Individual problems or topics will be designed and completed to emphasize selected areas of study in the Department of Curriculum and Instruction. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7386. Directed Research.
Students will participate in an authentic research experience, either by working as part of a doctoral faculty member's research team or developing an original research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7389A. Topics in Instructional Technology.
This topic offers an in-depth study of systematic instructional design emphasizing the selection and use of appropriate media for delivering instruction to maximize student learning. Special emphasis in this topic is on the leader's role in influencing the use of technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CI 7389C. Special Topics: Race Theory in Educational Research.
This course will explore racial theories and paradigms applicable to the study of race in K-20 educational settings. Students will analyze foundational scholarship in the formation of racial theories, research methodology, key tenets of race research, and literature pertinent to current trends in educational research regarding race.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Developmental Education (DE)

DE 7199. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7299. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7301. Understanding Developmental Education Learners in a Diverse Society.
This course identifies the evolution, characteristics, demographics, and needs of developmental education learners. Emphasis is placed on understanding internal factors, including the cognitive, affective, and psychosocial needs of these students, as well as on analyzing external factors, including the social, political and institutional forces that impact developmental learners' educational experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7302. Policy and Politics in Developmental Education.
This course addresses the policy and politics of planning, funding, implementing, and evaluating Developmental Education programs in postsecondary education. Readings and discussions focus on current and historical issues relevant to addressing the academic needs of educationally disadvantaged students from the perspective of researchers, program directors, policy analysts, and instructors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7303. Teaching and Learning in Developmental Education.
The course focuses on the institutional development, intellectual development, learner development, and self-development for effective teaching and learning in developmental education. Topics include instructional and learner theories, pedagogies, assessment and evaluation techniques, and best practices for instruction and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7304A. Curriculum Design in Developmental Education.
This course focuses on principles and processes of curriculum design and implementation in developmental education contexts, including examination of emerging research and issues. The course pedagogy also engages students in independent curriculum research, planning, and problem-solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

DE 7304B. Theory and Research of Digital Literacies.
This course focuses on understanding the complex relationships between technology, teaching, and learning in varied developmental education environments. Tools and strategies for planning, integrating, and assessing technology-supported instruction are explored within frameworks linking theory to practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

DE 7304C. Student Motivation and Self-Regulation.
This course focuses on research-based theories of student motivation and self-regulation and highlights practical applications of these theories for students in developmental education contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7304D. Transformative Learning.
This course introduces students to the core principles of transformative learning. The course is a theory-driven, project-based advanced class designed to enable students to develop theoretical perspectives, engage in intensive practice, and understand the use of transformative learning for applications with postsecondary individuals, groups, and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7304E. Current Topics in Motivation Intervention Research.
In this course, we will analyze, synthesize, discuss, and apply cutting-edge research on various types of motivation interventions in education. Emphasis will be placed on theory, research, and practice in postsecondary educational settings and developmental education contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7305. Multicultural Education in a P-16 Context.
This course uses critical multicultural framework to trace the evolution of the developmental learner in a P-16 educational system. Students in this examine school practices and policies in an attempt to map the educational trajectory and improve the educational experiences of P-16 underrepresented and underserved students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7321. The Community College.
Introduction to community college and to its roles and functions in American education. Special attention will be directed to evolution, development and patterns of organization, purposes, programs, personnel and current issues of the community college.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7322. Learning Support Centers in Postsecondary Settings.
The course explores the learning assistance movement in postsecondary settings including its history, leaders, and current research. Topics include program planning; leadership, organization, and management; human and financial resources; facilities and equipment; legal responsibilities; equal opportunity and access; diversity; ethics; campus and community relations; and assessment and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7323. Academic Support for Students with Learning Disabilities.
The course focuses on Learning Disabilities (LD) and Executive Function (EF) Disorders and their nature, prevalence, and significance in postsecondary environments. Topics include theories about the origins and nature of LD and EF, development across the lifespan, characteristics of individuals, and approaches to service, delivery and teaching.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking skills in the college and adult classroom. Topics will include variables in teaching and learning, methods of assessment, and approaches to instruction. Students who have taken EDP 5371 or DAE 5371 cannot take this course for doctoral credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7325. Advising, Coaching, and Mentoring Learners in Postsecondary Education.
The course will focus on theories and techniques of academic advising, coaching, and mentoring skills for learners enrolled in postsecondary education. Didactic and experiential activities will provide students enrolled in the course with opportunities to learn and practice skill development within these academic support programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7380. Managing Developmental Education Programs.
In this course, students will learn the theoretical and practical elements of management of developmental education programs in higher education. Readings and discussions focus generally on best practices in higher education leadership and specifically on best practices in leadership and management in developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7381. Practicum.
A 150-clock hour, one-semester practical experience in an institution or agency other than one's own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities to include program planning, management, budgeting, and/or evaluation.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 7390. Nature of Educational Inquiry.
Current paradigmatic and epistemological states of human inquiry are discussed presenting an opportunity to examine educational inquiry, create research knowledge related to the current state of the academy, and examine the issues of a research career.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7399. Dissertation.
Original research and writing in Developmental Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7599. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7699. Dissertation.
Original research and writing in Developmental Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7999. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

English (ENG)

ENG 7300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7314. Specializations in Professional and Technical Communication Topics.
Provides theoretical and practical information for specialized types of technical and professional communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7316. Foundations in Rhetoric and Composition.
A course providing students with theoretical, pedagogical, and/or methodological foundations in the field of rhetoric and composition. Emphases vary but may include Contemporary Composition Pedagogy, Basic Writing Theory and Practice, and Writing Assessment. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7317. Specializations in Rhetoric and Composition.
A course providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Across the Curriculum, Service Learning, Writing Center Theory and Practice, Computers and Writing, Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Techinical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Mathematics (MATH)

MATH 7111. Seminar in Teaching.
Seminar on individual study projects concerned with selected problems in the teaching of mathematics. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 7187. Seminar in Mathematics.
Students are required to attend weekly research seminars in mathematics and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7188. Seminar in Mathematics Education.
Students are required to attend weekly research seminars in Mathematics Education and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7199A. Dissertation.
Original research and writing in Mathematics Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7299A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7301. Studies in Mathematics.
This course provides basic foundations in Mathematics for students entering the doctoral program in Mathematics Education. This course may be repeated. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 7302. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7303. Analysis I.
This course covers foundations of modern analysis. Topics include: sequences, LimSup, LimInf, Sigma Algebras of sets that include open and closed sets, sequences of functions, pointwise and uniform convergence, lower and upper semi-continuity, Borel sets, outer measure, and Lebesgue measure. Prerequisite: MATH 4315.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7306. Current Research in Math Education.
This course surveys the various current social, political, and economic trends in local, state, national, and international settings that are related to research in Mathematics Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7307. Algebra I.
Applications of Algebra and topics in modern algebra, including permutation groups, symmetry groups, Sylow theorems, and select topics from Ring Theory. Prerequisite: MATH 4307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7309. Topology I.
A course in point-set topology emphasizing topological spaces, continuous functions, connectedness, compactness, countability, separability, metrizability, CWcomplexes, simplicial complexes, nerves, and dimension theory. Prerequisite: MATH 4330.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7313. Analysis II.
This course covers the theory of integration with special emphasis on Lebesgue integrals. Topics include: Lebesgue integral, Bounded Convergence theorem, differentiation and integration, absolute continuity, and Lp spaces. Prerequisite: Math 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7317. Algebra II.
A study of the important algebraic structures of rings and fields. Topics covered include rings, ideals, modules, polynomial rings, Euclidean algorithm, finite fields, and field extensions. Topics also include an introduction to Galois Theory with an emphasis on the geometric applications. Prerequisite: MATH 7307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7319. Topology II: Algebraic Topology.
This course covers the fundamental concepts and tools of algebraic topology. Topics include the fundamental group, covering spaces, homotopy type, the higher homotopy groups, singular homology theory, and the computation of homology groups via exact sequences and applications. Prerequisite: MATH 7307 and MATH 7309.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7321. Graph Theory.
Topics in this course include trees, connectivity of graphs, Eulerian graphs, Hamiltonian graphs, planar graphs, graph coloring, matchings, factorizations, digraphs, networks, and network flow problems. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7324. Curriculum Design & Analysis.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques that are related to curriculum design in Mathematics Education for grade levels P-16.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7325. Statistics 1.
A study of the mathematical and probabilistic underpinnings of the techniques used in statistical inference. Topics covered include sampling, sampling distributions, confidence intervals, and hypothesis testing with an emphasis on both simulations and derivations. Prerequisite: Math 2321 and Math 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7328. Instructional Techniques & Assessments.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques of instruction in Mathematics Education and the related assessment procedures for each for grade levels P-20.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7331. Combinatorics.
This course is a study of fundamental principles of combinatorics. Topics include: permutations and combinations, the Pigeonhole principle, the principle of inclusion-exclusion, binomial and multinomial theorems, special counting sequences, partitions, posets, extremal set theory, generating functions, recurrence relations, and the Polya theory of counting. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7335. Statistics II: Linear Modeling.
A study of the formulation and statistical methodologies for fitting linear models. Topics include the general linear hypothesis, least-squares estimation, Gauss-Markov theorem, assessment of model fit, effects of departures from assumptions, model design, and criteria for selection of optimal regression models. Prerequisite: MATH 3377 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7346. Quantitative Research Analysis in Mathematics Education.
This course surveys the various research techniques used in quantitative analysis for mathematics education and covers topics such as experimental design, statistical analysis, and use of appropriate design methodologies to achieve the strongest possible evidence to support or refute a knowledge claim. Prerequisite: MATH 7306 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7356A. Advanced Quantitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in quantitative research. Prerequisite: MATH 7346.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7356B. Advanced Qualitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in qualitative research. Prerequisite: ED 7352 or CI 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7356C. Action Research in Mathematics Education.
This course examines underlying theory and issues in action research model and the development of action research projects. Prerequisites: MATH 7346 or ED 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7361. Seminar in Advanced Mathematics.
Material in course will vary with the interest of students and faculty. A detailed study of subject matter may be chosen from advanced areas of analysis; algebra; topology and geometry; applied mathematics; and probability and statistics. This course is repeatable for credit when subject matter varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7366A. Teaching Post-Secondary Students (Developmental Math, Service Courses, and Majors).
This course examines how to develop and teach post-secondary students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisites: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366B. Teaching K-12 Students (Elementary, Middle School, and High School).
This course examines how to develop and teach K-12 students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366C. Teaching Teachers (In-Service; Pre-Service).
This course examines how to prepare teachers of mathematics. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366D. Teaching Specialized Content.
This course will be an in-depth study of a specialized content area in mathematics with an emphasis on teaching. The specific content area will vary by instructor. Examples include Euclidean Simplex Geometry and Discrete Probability Spaces with Implications for Public School Curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366E. Developmental Mathematics Curriculum.
This course surveys the research, development, and evaluation of the scope and sequence of developmental mathematics curriculum. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7366F. Research in Undergraduate Mathematics Education I.
Students will develop the requisite knowledge to become a good consumer of Research in Undergraduate Mathematics Education (RUME) research. The course will cover the theoretical underpinnings of current and historic RUME research. Students will develop the knowledge to understand relevant theoretical stances and the role they play in research. Prerequisite: Math 7306 or permission from the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7371A. Advanced Graph Theory.
Topics in this course include Turan's problems, Ramsey theory, random graph theory, extremal graph theory, algebraic graph theory, domination of graphs, distance problems, and applications. Prerequisite: MATH 7321.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371B. Advanced Combinatorics.
Topics in this course include Block designs, Latin squares, combinatorial optimization problems, coding theory, matroids, difference sets, and finite geometry. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371C. Combinatorial Number Theory.
A study of fundamental techniques in combinatorial number theory. Topics will include Waring's problem, additive number theory, and probabilistic methods in number theory. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371D. Discrete Optimization.
A study of some fundamental techniques in discrete optimization. Topics include discrete optimization, linear programming, integer programming, integer nonlinear programming, dynamic programming, location problem, scheduling problem, transportation problem, postman problem, traveling salesman problem, matroids, and NP-completeness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371E. Algorithms and Complexity.
A study of some fundamental concepts of computability and complexity. Topics include polynomially bounded problems, NP-complete problems, exponentially hard problems, undecidable problems, and reducibility. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371F. Probabilistic Methods in Discrete Mathematics.
A study of some fundamental probabilistic techniques used to solve problems in graph theory, combinatorics, combinatorial number theory, combinatorial geometry, and algorithm. Topics include linearity of expectation, alterations, second moment, local lemma, correlation inequalities, martingales, Poisson paradigm, and pseudo-randomness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371G. Applied Discrete Mathematics.
This course introduces fundamental concepts in logic, Boolean algebra, and binomial coefficients; and applications in different fields such as complexity of algorithms and network theory. Prerequisites: MATH 2472 and MATH 4307, all with a grade of “C” or better, or with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371H. Combinatorial Networks.
Combinatorial Networks is an area of study of certain types of networks using combinatorial methods extensively. This course introduces fundamental basics as well as the latest development in this area of research. Prerequisite: MATH 5307/7307 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375C. Time Series Analysis.
A study of the theory of time-dependent data. The analysis includes modeling, estimation, and testing; alternating between the time domain; using autoregressive and moving average models and the frequency domain; and using spectral analysis. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375D. Advanced linear Modeling.
The course provides an extension of regression methodology to more general settings where standard assumptions for ordinary least squares are violated. Topics include generalized least squares, robust regression, bootstrap, regression in the presence of autocorrelated errors, generalized linear models, and logistic and Poisson regression. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378A. Problem Solving, Reasoning, and Proof.
A study of the fundamental concepts of problem solving, logic, set theory, and mathematical proof and applications of these concepts in mathematics curriculum for grades P-20. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378B. Connecting and Communicating Math.
This course examines one of the basic principles involved in mathematics education: Connecting and Communicating Mathematics. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378C. Representing Fundamental Math Ideas (Function, Data Analysis, and Enumeration).
This course examines the basic principles involved in mathematics education. The process of representing fundamental mathematical ideas will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378D. Math Technologies.
This course examines the basic principles involved in mathematics education: Technology. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378E. Developmental Mathematics Perspectives.
This course examines developmental mathematics-specific strands including technological course support and placement tools/decisions. Issues related to the first mathematics core course required of undergraduates will aslo be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7378F. Research on Mathematical Problem Solving in Secondary Schools.
In this course a careful study is made of elementary techniques for problem solving in a variety of domains, including algebra, number theory, combinatorics, geometry, and logic puzzles. Students will learn these techniques by actually working on a collection of problems in each of these areas. Students will read and examine research about various aspects of problem solving and research in math education that includes both teacher training and student learning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7378G. Discourse Processes, Traditions, and Analysis in Mathematics Education.
Discourse and discourse analysis have been used to answer research questions across disciplines throughout the humanities and social sciences. This course will focus on theory and methods for the analysis of discourse in mathematical settings. We will learn how different approaches to discourse are used to understand mathematics learning. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7385. Independent Study in Mathematics.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of mathematics. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7386. Independent Study in Mathematics Education.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of Mathematics Education. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7389. Internship.
Students will work under the supervision of a faculty member to gain practical knowledge in Mathematics Education. Student experience can come from industry, government agencies, or other sources but must directly apply to furthering knowledge of mathematics education or its application.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7396. Mathematics Education Research Seminar.
Collaborative research projects with faculty through identifying an educational issue, reviewing literature, creating a research question, designing a methodology, analyzing data, drawing conclusions, implications, and creating a draft of a publishable paper. Prerequisite: MATH 7356, and ED 7352 or MATH 7346, all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7399A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7599A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7699A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7999A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 7301. Theory and Research of Literacy.
This course examines the current theories and basic research of literacy development from psychological, cultural, linguistic, educational, and epistemological frameworks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7302. Theory and Research of College Basic Literacy.
This course examines basic literacy needs and instructional strategies for students within post-secondary institutions. Explored are etiologies; comparison of basic to academic literacy; analysis of instructional strategies and materials for developing phonemic awareness, decoding, vocabulary, fluency, and comprehending in single sources of information. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7303. Theory and Research of College Academic Literacy.
This course examines basic literacy needs and instructional strategies for students in college. Explored are etiologies; comparison of academic workplace, and new literacies; instructional strategies and materials for developing vocabulary, comprehending, and critical and strategic reading in multiple sources of information. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7304. Theory and Research of Literacy Instruction for Culturally and Linguistically Diverse Readers.
This course examines the historical and contemporary understandings of language acquisition and instruction; foundational knowledge of literacy research and cultural and linguistic difference; instructional practices, including culturally responsive instruction, linguistic differences, and creating supportive literacy environments; curriculum, assessment, and evaluation; and critical literacy perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7305. Theory and Research of College Literacy Assessment.
This course reviews literacy assessment theory, research, policy, and practice in pre-school through grade 20 including accountability, standard-based curriculum, cultural and linguistic effects, assessment driven instruction, reliability and validity, interpretation, and types of instruments: high-staked, placement, diagnostic, classroom tests, and qualitative instruments. Prerequisites: RDG 7301, RDG 7302, RDG 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7306. Literacy Research Seminar.
Doctoral students participate in weekly research seminar that explore research and policy papers in literacy and literacy education, examine their methodolgoy and conclusions, and consider additional research questions. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7307E. Theory, Research and Practice of Disciplinary Literacies.
This course examines core principles of disciplinary literacies. Students will examine the theory, research and pedagogical practices of literacies across the disciplines with an emphasis on understanding the potential for post-secondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 7371. Theory and Research of Postsecondary Integrated Reading and Writing.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7372. Theory and Research of New Literacies Studies in Developmental Education.
This course focuses on the theory and research of New Literacies Studies which affects instructional practice in post-secondary developmental education. It includes an examination of diverse theories and models of multiple digital technology literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7373. Community Literacies.
This course focuses on exploring, understanding, refining, and reflecting on literacy as social practices within a community that informs effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project. Prerequisite: RDG 7301 or RDG 7302 or RDG 7303 all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Doctor of Education (Ed.D.) Major in Developmental Education (Learning Support Concentration)

The Department of Curriculum and Instruction in the College of Education at Texas State offers a Ed.D. in developmental education (DE) that produces highly-qualified program leaders and practitioners in DE programs. The Ed.D. is designed to fill the urgent need for advanced research in an emerging field that serves those who are underprepared for postsecondary education.

Mission Statement

The doctoral program in Developmental Education within the Department of Curriculum and Instruction prepares future scholars, researchers, leaders, administrators, instructors, and practitioners in the field of developmental education. Both rigorous and supportive, the program aims to advance theory, research, and practice in multiple areas of developmental education — including developmental literacy, learning support, and developmental mathematics — by actively engaging students in teaching, scholarship, and professional service. As a multidisciplinary program, the faculty, staff, and students work collaboratively across various academic disciplines, diverse communities, and geographic boundaries.

Educational Goal

Major educational objectives for the programs include the following:

- To prepare DE professionals who engage in divergent and critical thinking, are culturally competent, and are skilled in maximizing technology applications for learning and communication;
- To prepare DE professionals who understand and can respond to the nature and needs of students who enroll in DE programs; the complexities of motivation, teaching, learning, and assessment in DE settings; the cultural, political, and social systems that create inequities in educational settings; and the structure and management of DE programs;
- To prepare DE professionals with sophisticated research skills that will enable them to critically evaluate DE programs and practices and implement research agendas that will inform practice and policy;
- To prepare DE professionals who will serve as leaders in the DE profession who can engage in institutional leadership, program administration, and innovative program development and evaluation that will promote systemic change and improvement.

Advising

Advising takes three forms: the initial advisor, the program mentor, and the dissertation advisor. When students are first admitted, they are assigned an initial advisor who mentors them from entry through their first year benchmarks in the program. By the end of the first year, students formally ask a faculty member to be their program mentor who advises them from the end of their first year until their comprehensive exams. At a time no later than the completion of their comprehensive exams, students then select a dissertation advisor who is the chair of their dissertation committee, which must be formed at that time. These advising roles can be assumed by the same faculty member or different faculty members depending on students' research interests and foci.

In their first term, students will construct a program plan with the assistance of their initial advisor. The program plan is a focused, detailed description of the doctoral student's proposed course work, specialization, and goals for the doctoral program. The program plan will be submitted to the doctoral program plan committee for approval and suggestions. The program plan must include the following:

- goal statement that includes doctoral study goals (including specialization) and future professional goals
- professional curriculum vitae
- course work plan. This is the appropriate place for petitioning for course transfer for graduate work done previously (there is a 5-year time limit on any course work counting toward candidacy).

The student should work with their advisor for direction while completing the program plan prior to submitting it to the program plan committee. It is **due to the program plan committee by November 15** in the fall term of the student's first year of study. After the program plan committee reviews the student's program plan, a meeting may be scheduled with the student for further review of the plan.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes

to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree in a field relevant to developmental education from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA (on a 4.0 scale) in all completed graduate course work
- official GRE (general test only) with competitive scores in the verbal reasoning, quantitative reasoning, and analytical writing sections
- resume/CV
- statement of purpose (500 words) demonstrating the student's research interest and goals as a developmental educator and potential to contribute to the advancement of scholarly work in the field of developmental education. Students should discuss relevant teaching, research, and/or policy experience as well as clear evidence of a commitment to research and scholarship.
- three letters of recommendation addressing the student's professional and academic background

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Education (Ed.D) degree with a major in Developmental Education concentration in Learning Support requires 66 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
DE 7301	Understanding Developmental Education Learners in a Diverse Society	3
DE 7302	Policy and Politics in Developmental Education	3
DE 7303	Teaching and Learning in Developmental Education	3
DE 7305	Multicultural Education in a P-16 Context	3
DE 7380	Managing Developmental Education Programs	3
CI 7101	Introduction to the Research Experience	1
CI 7101	Introduction to the Research Experience	1
CI 7302	Research Methods and Measurement in Education	3
CI 7351	Beginning Quantitative Research Design and Analysis	3
CI 7352	Beginning Qualitative Design and Analysis	3
Concentration		
Choose 21 hours from the following:		21
DE 7321	The Community College	
DE 7322	Learning Support Centers in Postsecondary Settings	
DE 7323	Academic Support for Students with Learning Disabilities	
DE 7324	Teaching Learning Strategies and Critical Thinking	
DE 7325	Advising, Coaching, and Mentoring Learners in Postsecondary Education	
DE 7381	Practicum	
CI 7303	Educational and Psychological Measurement and Assessment	
CI 7326	Grant Development and Management	
CI 7360	Designing Educational Research	
Elective		
Choose 3 hours from the following:		3
CI 7353	Intermediate Quantitative Research Design and Analysis	
CI 7354	Intermediate Qualitative Design and Analysis	
Free Electives		
Choose 3 hours of advisor-approved electives		3
Dissertation		
Choose a minimum of 12 hours from the following:		12
DE 7199	Dissertation	
DE 7299	Dissertation	
DE 7399	Dissertation	
DE 7599	Dissertation	
DE 7699	Dissertation	
DE 7999	Dissertation	
Total Hours		66

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Application for Advancement to Candidacy

Once all course work (except for dissertation course work) has been completed, the comprehensive exams have been passed, and the dissertation proposal has been successfully defended, doctoral students will apply for advancement to candidacy. Candidacy must be achieved within five (5) years of initiating program course work. No credit will be applied toward the doctoral degree for course work completed more than five (5) years before the date on which the student is advanced to candidacy. This time limit applies toward credit earned at Texas State as well as credit transferred to Texas State from other accredited

institutions. Requests for a time extension must be made to the program, which in turn submits a recommendation to The Graduate College. Achieving doctoral candidacy allows the student to begin doctoral dissertation research. Candidacy forms are found here: http://www.gradcollege.txstate.edu/Fac_Resources/Forms.html.

Grade-Point Requirements for Advancement to Candidacy

To be eligible for advancement to candidacy, the student must have a minimum GPA of 3.0. No grade earned below a "B" on any graduate course may apply toward a doctorate at Texas State. Incomplete grades must be cleared through The Graduate College before a student can be approved for advancement to candidacy.

Comprehensive Exams

All students in the Doctoral Program in Developmental Education are required to pass a Comprehensive Examination at the conclusion of coursework, prior to moving into the dissertation phase of the program. The purposes of this exam are to demonstrate mastery of the coursework content and preparation for independent research. Ideally, this process will begin during students' last semester of coursework, and will be completed before the conclusion of the semester following.

Students will first discuss an overall problem or issue and focus with their adviser for initial approval. Students will then form a comprehensive exam committee that is comprised of, at least, their adviser (as Chair) and two other faculty members from the Developmental Education program. Once the committee is formed, students will complete a prospectus and arrange a prospectus meeting.

The prospectus meeting will consist of a brief oral presentation (student) and questions posed by committee members. The prospectus will be evaluated in terms of its appropriateness for the comprehensive exam and the feasibility of the proposed work. Students will either be granted approval to proceed with the exam or will be asked to revise and resubmit at the conclusion of the prospectus meeting. Once the prospectus is approved, students are cleared to begin working on the entire exam. When the exam is complete, students will distribute the finished product to the entire committee all at once and schedule an exam oral defense.

Dissertation Proposal

At a time no later than the completion of their Comprehensive Exams, students must select a dissertation advisor. After selecting their dissertation advisor, and before beginning their dissertation proposal, students will form a dissertation committee that will provide technical support for the inception, conduct, and completion of the dissertation research study and evaluate the final product. The student will undertake the research and write the dissertation under the guidance of their dissertation advisor. The dissertation proposal must be successfully defended and approved by the dean of The Graduate College before a student can be advanced to candidacy. Information about the dissertation procedures can be found in the Dissertation tab.

Students must submit the dissertation proposal and one copy of the official "Dissertation Proposal form" (available on The Graduate College website) to the dissertation advisor. After obtaining committee members' signatures, the student must submit the dissertation proposal and dissertation proposal form to the program director for signature. The form also requires evidence of the IRB approval for any research involving human subjects. The program director will then forward the dissertation proposal and form through the department chair to the dean of The Graduate College for final approval. Final approval must be received before proceeding with the defense of the dissertation proposal. The Dissertation Proposal form may be obtained from The Graduate College website.

Defense of the Dissertation Proposal

Students must defend the dissertation proposal in a meeting that begins with a public presentation and continues with an oral examination by the dissertation committee. The examination will address the proposed dissertation topic (problem definition and scope), relevant literature, and research method. The dissertation committee must sign the "Defense of the Dissertation Proposal form" to indicate approval and then submit the form for the signature of the doctoral program director and the department chair. The approved Defense of the Dissertation Proposal form must be forwarded to the dean of The Graduate College. The dissertation proposal must be approved and the Defense of the Dissertation Proposal form must be on file in The Graduate College before any student can advance to candidacy and begin dissertation research.

Recommendation for Advancement to Candidacy

The dissertation committee recommends the applicant for advancement to candidacy to the doctoral program director, the department chair, and the dean of The Graduate College. The dean of The Graduate College certifies the applicant for advancement to candidacy once all requirements have been met. To be eligible for admission to candidacy the student must have successfully completed the comprehensive exam, completed all course work, and successfully defended the dissertation proposal.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must be an original contribution to scholarship and the result of independent investigation in a significant area. Preparation of the dissertation must follow the latest edition of the *Publication Manual of the American Psychological Association*.

Dissertation Enrollment Requirements

Any time a student is receiving official guidance on the dissertation, the student must be enrolled in a dissertation course. A student must maintain continuous enrollment in dissertation hours every term from the time they advance to candidacy until the dissertation is defended and approved. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred. Students must enroll in a minimum of 12 dissertation credit hours.

Dissertation Time Limit

Students must complete the dissertation within five (5) years of advancement to candidacy. The student's dissertation advisor, with the student's dissertation committee, will review the student's progress annually.

Dissertation Advisor and dissertation committee

The dissertation committee must be composed of four approved doctoral graduate faculty members. The doctoral student must select a minimum of four committee members, one of which must be outside the program. The chair of the dissertation committee must be from the program.

All committee members must hold at least associate doctoral faculty status, and chairs must hold core doctoral faculty status. To form the dissertation committee, the "Dissertation Committee Request form" must be completed and signed by the student, committee members, committee chair, doctoral program director, and the department chair and then forwarded to the dean of The Graduate College for approval and signature. The required Dissertation Committee Request form may be obtained from The Graduate College website.

Committee Changes

Any changes to the dissertation committee must be submitted for approval to the dissertation advisor, the doctoral program director, the department chair, and the dean of The Graduate College. Changes must be submitted no less than sixty (60) days before the final dissertation defense. The “Dissertation Advisor/Committee Member Change Request form” may be obtained from The Graduate College website.

Defense of the Dissertation

All dissertations must meet the following requirements as judged by the student's dissertation committee:

1. a systematic investigation of a problem,
2. informed by previous theory and research,
3. that adds to the body of knowledge in the area of investigation, and
4. is presented in a form capable of dissemination to scholars and practitioners.

Students must pass the final oral examination that covers the dissertation and the general field of the dissertation. Students must defend the dissertation in a meeting that begins with a public presentation and continues with an oral exam by the dissertation committee. Before scheduling the final oral exam, the student must have received approval of the dissertation advisor. A completed dissertation defense report must be submitted according to the schedule posted by the dean of The Graduate College and no later than ten days before the date of graduation. The student must complete all aspects of the dissertation, including successful defense and submission of the dissertation to The Graduate College, within five (5) years of advancement to candidacy.

Approval and Submission of the Dissertation and Abstract

The approval of the dissertation and abstract requires positive votes from the dissertation advisor and from a majority of the dissertation committee members. Once the committee has approved the dissertation, one copy of the dissertation and the signed "Committee Approval form" must be submitted to the dean of The Graduate College for final approval. Refer to the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation* for specific guidelines.

Doctoral level courses in Developmental Education: CI (p. 1163), DE (p.), ENG (p. 1166), MATH (p. 1167), RDG (p. 1171)

Courses Offered

Curriculum and Instruction (CI)

CI 7101. Introduction to the Research Experience.
This course is designed to introduce students to the department and to the ongoing research activities of its faculty. Emphasis is placed on identifying and coordinating opportunities for joint research and scholarship among faculty and students. Students must enroll in the course for three semesters before dissertation.
1 Credit Hour. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7302. Research Methods and Measurement in Education.
This course provides a comprehensive introduction to educational research with a focus on research design, research methods and methodology, and fundamental measurement issues in quantitative, qualitative, and mixed-methods research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7303. Educational and Psychological Measurement and Assessment.
Philosophical and empirical foundations of measurement, assessment, testing, and evaluation. Topics include philosophical and mathematical foundations in research; empirical levels and measurement description; test construction; observational rating scales; measurement interpretation; social, legal, and ethical implications; item analysis/refinement for scale performance; reliability and validity evidence; and standardized and placement tests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7310. Teaching in College.
Teaching strategies for teaching/instructional assistants focused on creating syllabi, adapting to diverse student populations, collaborating with colleagues and staff; implementing active learning strategies; fostering assigned reading; assessing learning; and integrating technology. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CI 7326. Grant Development and Management.
Course focuses on developing competitive grant proposals and understanding grant management resources. Strategies will encompass locating funding sources, evaluating proposals, developing proposals and budgets, and methods of meeting accountability requirements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7351. Beginning Quantitative Research Design and Analysis.
This course introduces students to quantitative research design and analysis. Topics include descriptive statistics; sampling techniques; statistical inference, including the null hypothesis, significance tests, and confidence intervals; and causal-comparative analyses, including t-test and ANOVA. Departmental Approval required. Prerequisite or concurrent enrollment in: CI 7302 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7352. Beginning Qualitative Design and Analysis.
This course introduces students to the qualitative paradigm. Topics include distinctive features, alternative qualitative traditions, purposeful sampling, common data collection methods, inductive analysis, the role of the researcher, and evaluating qualitative research. Prerequisite: CI 7302 with a grade of "B" or better, or can be taken concurrently. Departmental approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7353. Intermediate Quantitative Research Design and Analysis.
This course focuses on intermediate quantitative research design and statistical methods of data analysis related to problems in education, psychology, sociology, and biological sciences. The general linear model based univariate and selected multivariate statistical techniques are examined including theory/purpose, logic, practical implications, and interpretation of various analytic techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7354. Intermediate Qualitative Design and Analysis.
This course focuses on issues in design and implementation of qualitative research. Topics include influence of alternative traditions, literature in qualitative research, access to the field and ethical issues, researcher-participant relationships, purposeful sampling strategies, inductive analysis procedures, developing theory, and reporting research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7355. Mixed Methods in Research and Evaluation.
This course will cover mixed methods research designs that can be used in the evaluation of educational interventions and programs. Topics include mixed methods research designs; program evaluation models; quantitative and qualitative data analysis and interpretation; reading mixed methods research articles; and writing mixed methods research proposals and evaluation reports. Prerequisite: CI 7351 and CI 7352 all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7358. Theoretical and Conceptual Frameworks in Qualitative Research.
Intended for those versed in current paradigmatic and epistemological states of human inquiry, presenting an opportunity to design a research project and to address the major issues of a research career. Prerequisites: ED 7352, ED 7354.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7359. Seminar in Quantitative Research.
This course is a small group seminar that focuses on analytic strategies specific to the doctoral student's dissertation topic. Examples include structural equation modeling, hierarchical linear modeling, log linear modeling, non-parametric analyses, factor analysis, factorial analysis of variance, and other multivariate statistical methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7360. Designing Educational Research.
Students identify problems in developmental education and develop a strategic proposal to apply to these problems. Students, then, create an evaluation plan to assess the implementation of their proposal. Students develop skills in critiquing research reports and in synthesizing research from developmental education. Prerequisite: ED 7353 or ED 7354.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7378. Independent Study.
Individual problems or topics will be designed and completed to emphasize selected areas of study in the Department of Curriculum and Instruction. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7386. Directed Research.
Students will participate in an authentic research experience, either by working as part of a doctoral faculty member's research team or developing an original research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7389A. Topics in Instructional Technology.
This topic offers an in-depth study of systematic instructional design emphasizing the selection and use of appropriate media for delivering instruction to maximize student learning. Special emphasis in this topic is on the leader's role in influencing the use of technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CI 7389C. Special Topics: Race Theory in Educational Research.
This course will explore racial theories and paradigms applicable to the study of race in K-20 educational settings. Students will analyze foundational scholarship in the formation of racial theories, research methodology, key tenets of race research, and literature pertinent to current trends in educational research regarding race.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Developmental Education (DE)

DE 7199. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7299. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7301. Understanding Developmental Education Learners in a Diverse Society.
This course identifies the evolution, characteristics, demographics, and needs of developmental education learners. Emphasis is placed on understanding internal factors, including the cognitive, affective, and psychosocial needs of these students, as well as on analyzing external factors, including the social, political and institutional forces that impact developmental learners' educational experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7302. Policy and Politics in Developmental Education.
This course addresses the policy and politics of planning, funding, implementing, and evaluating Developmental Education programs in postsecondary education. Readings and discussions focus on current and historical issues relevant to addressing the academic needs of educationally disadvantaged students from the perspective of researchers, program directors, policy analysts, and instructors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7303. Teaching and Learning in Developmental Education.
The course focuses on the institutional development, intellectual development, learner development, and self-development for effective teaching and learning in developmental education. Topics include instructional and learner theories, pedagogies, assessment and evaluation techniques, and best practices for instruction and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7304A. Curriculum Design in Developmental Education.
This course focuses on principles and processes of curriculum design and implementation in developmental education contexts, including examination of emerging research and issues. The course pedagogy also engages students in independent curriculum research, planning, and problem-solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

DE 7304B. Theory and Research of Digital Literacies.
This course focuses on understanding the complex relationships between technology, teaching, and learning in varied developmental education environments. Tools and strategies for planning, integrating, and assessing technology-supported instruction are explored within frameworks linking theory to practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

DE 7304C. Student Motivation and Self-Regulation.
This course focuses on research-based theories of student motivation and self-regulation and highlights practical applications of these theories for students in developmental education contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7304D. Transformative Learning.
This course introduces students to the core principles of transformative learning. The course is a theory-driven, project-based advanced class designed to enable students to develop theoretical perspectives, engage in intensive practice, and understand the use of transformative learning for applications with postsecondary individuals, groups, and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7304E. Current Topics in Motivation Intervention Research.
In this course, we will analyze, synthesize, discuss, and apply cutting-edge research on various types of motivation interventions in education. Emphasis will be placed on theory, research, and practice in postsecondary educational settings and developmental education contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7305. Multicultural Education in a P-16 Context.
This course uses critical multicultural framework to trace the evolution of the developmental learner in a P-16 educational system. Students in this examine school practices and policies in an attempt to map the educational trajectory and improve the educational experiences of P-16 underrepresented and underserved students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7321. The Community College.
Introduction to community college and to its roles and functions in American education. Special attention will be directed to evolution, development and patterns of organization, purposes, programs, personnel and current issues of the community college.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7322. Learning Support Centers in Postsecondary Settings.
The course explores the learning assistance movement in postsecondary settings including its history, leaders, and current research. Topics include program planning; leadership, organization, and management; human and financial resources; facilities and equipment; legal responsibilities; equal opportunity and access; diversity; ethics; campus and community relations; and assessment and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7323. Academic Support for Students with Learning Disabilities.
The course focuses on Learning Disabilities (LD) and Executive Function (EF) Disorders and their nature, prevalence, and significance in postsecondary environments. Topics include theories about the origins and nature of LD and EF, development across the lifespan, characteristics of individuals, and approaches to service, delivery and teaching.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking skills in the college and adult classroom. Topics will include variables in teaching and learning, methods of assessment, and approaches to instruction. Students who have taken EDP 5371 or DAE 5371 cannot take this course for doctoral credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7325. Advising, Coaching, and Mentoring Learners in Postsecondary Education.
The course will focus on theories and techniques of academic advising, coaching, and mentoring skills for learners enrolled in postsecondary education. Didactic and experiential activities will provide students enrolled in the course with opportunities to learn and practice skill development within these academic support programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7380. Managing Developmental Education Programs.
In this course, students will learn the theoretical and practical elements of management of developmental education programs in higher education. Readings and discussions focus generally on best practices in higher education leadership and specifically on best practices in leadership and management in developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7381. Practicum.
A 150-clock hour, one-semester practical experience in an institution or agency other than one's own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities to include program planning, management, budgeting, and/or evaluation.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 7390. Nature of Educational Inquiry.
Current paradigmatic and epistemological states of human inquiry are discussed presenting an opportunity to examine educational inquiry, create research knowledge related to the current state of the academy, and examine the issues of a research career.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7399. Dissertation.
Original research and writing in Developmental Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7599. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7699. Dissertation.
Original research and writing in Developmental Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7999. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

English (ENG)

ENG 7300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7314. Specializations in Professional and Technical Communication Topics.
Provides theoretical and practical information for specialized types of technical and professional communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7316. Foundations in Rhetoric and Composition.
A course providing students with theoretical, pedagogical, and/or methodological foundations in the field of rhetoric and composition. Emphases vary but may include Contemporary Composition Pedagogy, Basic Writing Theory and Practice, and Writing Assessment. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7317. Specializations in Rhetoric and Composition.
A course providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Across the Curriculum, Service Learning, Writing Center Theory and Practice, Computers and Writing, Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Techinical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Mathematics (MATH)

MATH 7111. Seminar in Teaching.
Seminar on individual study projects concerned with selected problems in the teaching of mathematics. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 7187. Seminar in Mathematics.
Students are required to attend weekly research seminars in mathematics and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7188. Seminar in Mathematics Education.
Students are required to attend weekly research seminars in Mathematics Education and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7199A. Dissertation.
Original research and writing in Mathematics Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7299A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7301. Studies in Mathematics.
This course provides basic foundations in Mathematics for students entering the doctoral program in Mathematics Education. This course may be repeated. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 7302. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7303. Analysis I.
This course covers foundations of modern analysis. Topics include: sequences, LimSup, LimInf, Sigma Algebras of sets that include open and closed sets, sequences of functions, pointwise and uniform convergence, lower and upper semi-continuity, Borel sets, outer measure, and Lebesgue measure. Prerequisite: MATH 4315.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7306. Current Research in Math Education.
This course surveys the various current social, political, and economic trends in local, state, national, and international settings that are related to research in Mathematics Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7307. Algebra I.
Applications of Algebra and topics in modern algebra, including permutation groups, symmetry groups, Sylow theorems, and select topics from Ring Theory. Prerequisite: MATH 4307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7309. Topology I.
A course in point-set topology emphasizing topological spaces, continuous functions, connectedness, compactness, countability, separability, metrizability, CWcomplexes, simplicial complexes, nerves, and dimension theory. Prerequisite: MATH 4330.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7313. Analysis II.
This course covers the theory of integration with special emphasis on Lebesgue integrals. Topics include: Lebesgue integral, Bounded Convergence theorem, differentiation and integration, absolute continuity, and Lp spaces. Prerequisite: Math 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7317. Algebra II.
A study of the important algebraic structures of rings and fields. Topics covered include rings, ideals, modules, polynomial rings, Euclidean algorithm, finite fields, and field extensions. Topics also include an introduction to Galois Theory with an emphasis on the geometric applications. Prerequisite: MATH 7307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7319. Topology II: Algebraic Topology.
This course covers the fundamental concepts and tools of algebraic topology. Topics include the fundamental group, covering spaces, homotopy type, the higher homotopy groups, singular homology theory, and the computation of homology groups via exact sequences and applications. Prerequisite: MATH 7307 and MATH 7309.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7321. Graph Theory.
Topics in this course include trees, connectivity of graphs, Eulerian graphs, Hamiltonian graphs, planar graphs, graph coloring, matchings, factorizations, digraphs, networks, and network flow problems. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7324. Curriculum Design & Analysis.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques that are related to curriculum design in Mathematics Education for grade levels P-16.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7325. Statistics 1.
A study of the mathematical and probabilistic underpinnings of the techniques used in statistical inference. Topics covered include sampling, sampling distributions, confidence intervals, and hypothesis testing with an emphasis on both simulations and derivations. Prerequisite: Math 2321 and Math 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7328. Instructional Techniques & Assessments.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques of instruction in Mathematics Education and the related assessment procedures for each for grade levels P-20.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7331. Combinatorics.
This course is a study of fundamental principles of combinatorics. Topics include: permutations and combinations, the Pigeonhole principle, the principle of inclusion-exclusion, binomial and multinomial theorems, special counting sequences, partitions, posets, extremal set theory, generating functions, recurrence relations, and the Polya theory of counting. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7335. Statistics II: Linear Modeling.
A study of the formulation and statistical methodologies for fitting linear models. Topics include the general linear hypothesis, least-squares estimation, Gauss-Markov theorem, assessment of model fit, effects of departures from assumptions, model design, and criteria for selection of optimal regression models. Prerequisite: MATH 3377 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7346. Quantitative Research Analysis in Mathematics Education.
This course surveys the various research techniques used in quantitative analysis for mathematics education and covers topics such as experimental design, statistical analysis, and use of appropriate design methodologies to achieve the strongest possible evidence to support or refute a knowledge claim. Prerequisite: MATH 7306 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7356A. Advanced Quantitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in quantitative research. Prerequisite: MATH 7346.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7356B. Advanced Qualitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in qualitative research. Prerequisite: ED 7352 or CI 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7356C. Action Research in Mathematics Education.
This course examines underlying theory and issues in action research model and the development of action research projects. Prerequisites: MATH 7346 or ED 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7361. Seminar in Advanced Mathematics.
Material in course will vary with the interest of students and faculty. A detailed study of subject matter may be chosen from advanced areas of analysis; algebra; topology and geometry; applied mathematics; and probability and statistics. This course is repeatable for credit when subject matter varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7366A. Teaching Post-Secondary Students (Developmental Math, Service Courses, and Majors).
This course examines how to develop and teach post-secondary students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisites: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366B. Teaching K-12 Students (Elementary, Middle School, and High School).
This course examines how to develop and teach K-12 students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366C. Teaching Teachers (In-Service; Pre-Service).
This course examines how to prepare teachers of mathematics. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366D. Teaching Specialized Content.
This course will be an in-depth study of a specialized content area in mathematics with an emphasis on teaching. The specific content area will vary by instructor. Examples include Euclidean Simplex Geometry and Discrete Probability Spaces with Implications for Public School Curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366E. Developmental Mathematics Curriculum.
This course surveys the research, development, and evaluation of the scope and sequence of developmental mathematics curriculum. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7366F. Research in Undergraduate Mathematics Education I.
Students will develop the requisite knowledge to become a good consumer of Research in Undergraduate Mathematics Education (RUME) research. The course will cover the theoretical underpinnings of current and historic RUME research. Students will develop the knowledge to understand relevant theoretical stances and the role they play in research. Prerequisite: Math 7306 or permission from the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7371A. Advanced Graph Theory.
Topics in this course include Turan's problems, Ramsey theory, random graph theory, extremal graph theory, algebraic graph theory, domination of graphs, distance problems, and applications. Prerequisite: MATH 7321.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371B. Advanced Combinatorics.
Topics in this course include Block designs, Latin squares, combinatorial optimization problems, coding theory, matroids, difference sets, and finite geometry. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371C. Combinatorial Number Theory.
A study of fundamental techniques in combinatorial number theory. Topics will include Waring's problem, additive number theory, and probabilistic methods in number theory. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371D. Discrete Optimization.
A study of some fundamental techniques in discrete optimization. Topics include discrete optimization, linear programming, integer programming, integer nonlinear programming, dynamic programming, location problem, scheduling problem, transportation problem, postman problem, traveling salesman problem, matroids, and NP-completeness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371E. Algorithms and Complexity.
A study of some fundamental concepts of computability and complexity. Topics include polynomially bounded problems, NP-complete problems, exponentially hard problems, undecidable problems, and reducibility. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371F. Probabilistic Methods in Discrete Mathematics.
A study of some fundamental probabilistic techniques used to solve problems in graph theory, combinatorics, combinatorial number theory, combinatorial geometry, and algorithm. Topics include linearity of expectation, alterations, second moment, local lemma, correlation inequalities, martingales, Poisson paradigm, and pseudo-randomness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371G. Applied Discrete Mathematics.
This course introduces fundamental concepts in logic, Boolean algebra, and binomial coefficients; and applications in different fields such as complexity of algorithms and network theory. Prerequisites: MATH 2472 and MATH 4307, all with a grade of "C" or better, or with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371H. Combinatorial Networks.
Combinatorial Networks is an area of study of certain types of networks using combinatorial methods extensively. This course introduces fundamental basics as well as the latest development in this area of research. Prerequisite: MATH 5307/7307 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375C. Time Series Analysis.
A study of the theory of time-dependent data. The analysis includes modeling, estimation, and testing; alternating between the time domain; using autoregressive and moving average models and the frequency domain; and using spectral analysis. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375D. Advanced linear Modeling.
The course provides an extension of regression methodology to more general settings where standard assumptions for ordinary least squares are violated. Topics include generalized least squares, robust regression, bootstrap, regression in the presence of autocorrelated errors, generalized linear models, and logistic and Poisson regression. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378A. Problem Solving, Reasoning, and Proof.
A study of the fundamental concepts of problem solving, logic, set theory, and mathematical proof and applications of these concepts in mathematics curriculum for grades P-20. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378B. Connecting and Communicating Math.
This course examines one of the basic principles involved in mathematics education: Connecting and Communicating Mathematics. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378C. Representing Fundamental Math Ideas (Function, Data Analysis, and Enumeration).
This course examines the basic principles involved in mathematics education. The process of representing fundamental mathematical ideas will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378D. Math Technologies.
This course examines the basic principles involved in mathematics education: Technology. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378E. Developmental Mathematics Perspectives.
This course examines developmental mathematics-specific strands including technological course support and placement tools/decisions. Issues related to the first mathematics core course required of undergraduates will aslo be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7378F. Research on Mathematical Problem Solving in Secondary Schools.
In this course a careful study is made of elementary techniques for problem solving in a variety of domains, including algebra, number theory, combinatorics, geometry, and logic puzzles. Students will learn these techniques by actually working on a collection of problems in each of these areas. Students will read and examine research about various aspects of problem solving and research in math education that includes both teacher training and student learning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7378G. Discourse Processes, Traditions, and Analysis in Mathematics Education.
Discourse and discourse analysis have been used to answer research questions across disciplines throughout the humanities and social sciences. This course will focus on theory and methods for the analysis of discourse in mathematical settings. We will learn how different approaches to discourse are used to understand mathematics learning. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7385. Independent Study in Mathematics.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of mathematics. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7386. Independent Study in Mathematics Education.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of Mathematics Education. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7389. Internship.
Students will work under the supervision of a faculty member to gain practical knowledge in Mathematics Education. Student experience can come from industry, government agencies, or other sources but must directly apply to furthering knowledge of mathematics education or its application.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7396. Mathematics Education Research Seminar.
Collaborative research projects with faculty through identifying an educational issue, reviewing literature, creating a research question, designing a methodology, analyzing data, drawing conclusions, implications, and creating a draft of a publishable paper. Prerequisite: MATH 7356, and ED 7352 or MATH 7346, all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7399A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7599A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7699A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7999A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 7301. Theory and Research of Literacy.
This course examines the current theories and basic research of literacy development from psychological, cultural, linguistic, educational, and epistemological frameworks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7302. Theory and Research of College Basic Literacy.
This course examines basic literacy needs and instructional strategies for students within post-secondary institutions. Explored are etiologies; comparison of basic to academic literacy; analysis of instructional strategies and materials for developing phonemic awareness, decoding, vocabulary, fluency, and comprehending in single sources of information. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7303. Theory and Research of College Academic Literacy.
This course examines basic literacy needs and instructional strategies for students in college. Explored are etiologies; comparison of academic workplace, and new literacies; instructional strategies and materials for developing vocabulary, comprehending, and critical and strategic reading in multiple sources of information. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7304. Theory and Research of Literacy Instruction for Culturally and Linguistically Diverse Readers.
This course examines the historical and contemporary understandings of language acquisition and instruction; foundational knowledge of literacy research and cultural and linguistic difference; instructional practices, including culturally responsive instruction, linguistic differences, and creating supportive literacy environments; curriculum, assessment, and evaluation; and critical literacy perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7305. Theory and Research of College Literacy Assessment.
This course reviews literacy assessment theory, research, policy, and practice in pre-school through grade 20 including accountability, standard-based curriculum, cultural and linguistic effects, assessment driven instruction, reliability and validity, interpretation, and types of instruments: high-staked, placement, diagnostic, classroom tests, and qualitative instruments. Prerequisites: RDG 7301, RDG 7302, RDG 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7306. Literacy Research Seminar.
Doctoral students participate in weekly research seminar that explore research and policy papers in literacy and literacy education, examine their methodolgoy and conclusions, and consider additional research questions. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7307E. Theory, Research and Practice of Disciplinary Literacies.
This course examines core principles of disciplinary literacies. Students will examine the theory, research and pedagogical practices of literacies across the disciplines with an emphasis on understanding the potential for post-secondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 7371. Theory and Research of Postsecondary Integrated Reading and Writing.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7372. Theory and Research of New Literacies Studies in Developmental Education.
This course focuses on the theory and research of New Literacies Studies which affects instructional practice in post-secondary developmental education. It includes an examination of diverse theories and models of multiple digital technology literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7373. Community Literacies.
This course focuses on exploring, understanding, refining, and reflecting on literacy as social practices within a community that informs effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project. Prerequisite: RDG 7301 or RDG 7302 or RDG 7303 all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Arts (M.A.) Major in Developmental Education (Developmental Mathematics Concentration)

Major Program

The Master of Arts (M.A.) degree with a major in Developmental Education (DE) focuses on facilitating learner success in postsecondary programs. A 9-hour minor in DE is also available for majors in other fields who hope to pursue careers in community colleges and other postsecondary developmental education settings.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- statement of purpose (approximately 500 words) describing the student's background and professional goals, including the rationale for pursuing the chosen professional degree program, how the student's goals tie into the mission of the graduate program, and the student's philosophy of teaching and learning
- three letters of recommendation from individuals who know the student in academic and/or professional settings

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

This Master of Arts (M.A.) degree with a major in Developmental Education concentration in Developmental Mathematics requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5390	Research Seminar in Education	3
DE 5305	Diversity and Education in a P-16 Context	3
DE 5324	Teaching Learning Strategies and Critical Thinking	3

DE 5339	Assessment and Evaluation in Developmental Education	3
DE 5365	Administration of Developmental Education	3
DE 5375	Learners in Developmental Education Contexts	3
Concenteration		
Choose 18 hours from the following:		18
MATH 5303	History of Mathematics	
MATH 5304	Topics in Mathematics for the Secondary Teacher	
MATH 5381	Foundations of Set Theory	
MATH 5382	Foundation of Real Analysis	
MATH 5384	Geometric Approach to Abstract Algebra	
MATH 5386	Knots and Surfaces, An Introduction to Low-Dimensional Topology	
MATH 5388	Discrete Mathematics	
MATH 5390	Statistics	
MATH 5392	Survey of Geometries	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p.), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1179), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Arts (M.A.) Major in Developmental Education (Learning Support Concentration)

Major Program

The Master of Arts (M.A.) degree with a major in Developmental Education (DE) focuses on facilitating learner success in postsecondary

programs. A 9-hour minor in DE is also available for majors in other fields who hope to pursue careers in community colleges and other postsecondary developmental education settings.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- statement of purpose (approximately 500 words) describing the student's background and professional goals, including the rationale for pursuing the chosen professional degree program, how the student's goals tie into the mission of the graduate program, and the student's philosophy of teaching and learning
- three letters of recommendation from individuals who know the student in academic and/or professional settings

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

This Master of Arts (M.A.) degree in Developmental Education concentration in learning support requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5390	Research Seminar in Education	3
DE 5305	Diversity and Education in a P-16 Context	3
DE 5324	Teaching Learning Strategies and Critical Thinking	3
DE 5339	Assessment and Evaluation in Developmental Education	3
DE 5365	Administration of Developmental Education	3
DE 5375	Learners in Developmental Education Contexts	3
Concentration		
Choose 18 hours from the following:		18
DE 5321	The Community College	
DE 5326	Curriculum Design in Postsecondary Developmental Education	
DE 5373	Grant Development and Management	
DE 5378	Problems in Developmental Education	
DE 5379	Independent Study	
DE 5384	Internship in Developmental Education	
DE 7304C	Student Motivation and Self-Regulation	
DE 7322	Learning Support Centers in Postsecondary Settings	
DE 7323	Academic Support for Students with Learning Disabilities	
DE 7325	Advising, Coaching, and Mentoring Learners in Postsecondary Education	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p.), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1191), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Arts (M.A.) Major in Developmental Education (Literacy Concentration)

Major Program

The Master of Arts (M.A.) degree with a major in Developmental Education (DE) focuses on facilitating learner success in postsecondary programs. A 9-hour minor in DE is also available for majors in other fields who hope to pursue careers in community colleges and other postsecondary developmental education settings.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required

- statement of purpose (approximately 500 words) describing the student's background and professional goals, including the rationale for pursuing the chosen professional degree program, how the student's goals tie into the mission of the graduate program, and the student's philosophy of teaching and learning
- three letters of recommendation from individuals who know the student in academic and/or professional settings

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

This Master of Arts (M.A.) major in Developmental Education concentration in literacy requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5390	Research Seminar in Education	3
DE 5305	Diversity and Education in a P-16 Context	3
DE 5324	Teaching Learning Strategies and Critical Thinking	3
DE 5339	Assessment and Evaluation in Developmental Education	3
DE 5365	Administration of Developmental Education	3
DE 5375	Learners in Developmental Education Contexts	3
Concentration		
Choose 18 hours from the following:		18
ENG 5300	Language Problems in a Multicultural Enviroment	
ENG 5310	Studies in English Language and Linguistics	
ENG 5316	Foundations in Rhetoric and Composition	
ENG 5317	Specializations in Rhetoric and Composition	
ENG 5383	Studies in Rhetorical Theory	
RDG 5335	Basic Academic Literacy	
RDG 5371	Foundations of Postsecondary Integrated Reading & Writing Pedagogy	
RDG 5372	New Literacies Studies in Developmental Education	
RDG 5374	Foundations of Postsecondary Developmental Reading and Writing Theory	
RDG 5375	Postsecondary Developmental Reading and Writing Assessment	
RDG 5376	Postsecondary Disciplinary Literacies	
RDG 5381	Internship in Postsecondary Developmental Literacy Education	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p.), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1203), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including "workshop" techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)
Master of Arts (M.A.) Major in Elementary Education

Program Overview

Texas State has been a top school for educators for over 100 years. Texas State is the ideal choice for teachers seeking to improve their performance and for career changers looking for certification with a master's degree. The community of students enrolled in the master's degree programs in elementary education at Texas State are passionate about teaching, learning and making a difference.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- one-page statement of purpose on why the student wishes to teach
- three letters of recommendation

TOEFL or IELTS scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Elementary Education requires a minimum of 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5390	Research Seminar in Education	3
CI 5309	Talent Development	3
CI 5327	Principles and Practices in the Elementary School	3
Strategies		
CI 5310	Creativity: Theories, Research, and Applications	3
Math/Science		
Choose 3 hours from the following:		3
CI 5303	Teaching Math in the Elementary School	
CI 5304	Teaching Mathematics and Science in the Elementary School	
CI 5329	The Elementary School Science Curriculum	
Arts and Social Studies		
Choose 3 hours from the following:		3
CI 5328	Elementary Social Studies: Curriculum Problems	
RDG 5310	Teaching Literacy with Children's and Young Adult Literature	
Thesis		
CI 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
CI 5199B	Thesis	
CI 5299B	Thesis	
CI 5399B	Thesis	
CI 5599B	Thesis	
CI 5999B	Thesis	
Minor		
Choose a 12-hour advisor-approved minor		12
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival

quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Curriculum and Instruction: CI (p. 1207), DE (p. 1211), ECE (p. 1212), EDTC (p. 1212), RDG (p. 1213), SPED (p. 1215)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Arts (M.A.) Major in Elementary Education (Early Childhood Concentration)

Texas State has been a top school for educators for over 100 years. Texas State is the ideal choice for teachers seeking to improve their performance and for career changers looking for certification with a master's degree. The community of students enrolled in the master's degree programs in elementary education at Texas State are passionate about teaching, learning and making a difference.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or
- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required

- one-page statement of purpose on why the student wishes to teach
- three letters of recommendation

TOEFL or IELTS scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Elementary Education concentration in Early Childhood Education requires a minimum of 36 semester credit hours, including a minor and thesis.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5390	Research Seminar in Education	3
CI 5309	Talent Development	3
Concentration		
CI 5327	Principles and Practices in the Elementary School	3
EDTC 5310	Introduction to Educational Technology	3
ECE 5318	Advanced Early Child Development: Readiness for Learning and Language Abilities	3
ECE 5319	Curriculum and the Young Child, I (Kindergarten)	3
ECE 5330	Curriculum and the Young Child, II (Kindergarten)	3
ECE 5380	Independent Study in Early Childhood	3
Thesis		
CI 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
CI 5199B	Thesis	
CI 5299B	Thesis	
CI 5399B	Thesis	
CI 5599B	Thesis	
CI 5999B	Thesis	
Minor		
Choose a 6-hour advisor-approved minor		6
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until

the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Curriculum and Instruction: CI (p.), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1226), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including "workshop" techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Arts (M.A.) Major in Elementary Education (Talent Development Concentration)

Master's programs in Talent Development have been designed for teachers who seek to continue their professional growth in education and want the stimulation and support of taking classes with other certified teachers. Teachers in this program typically want to grow in new ways, but they are not interested in becoming a school principal or assistant principal in the near future. They want to further develop their own talents and learn how to support talent development in their students and fellow teachers. Graduate students in Talent Development develop advanced-level knowledge and skills for the continued improvement of teaching practices, for the increase of equity in education, and for thinking critically and imaginatively about educational practices, policies, and trends.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required

TOEFL or IELTS scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree in Elementary Education with a concentration in Talent Development requires a minimum of 30 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5390	Research Seminar in Education	3
CI 5309	Talent Development	3
Concentration		
CI 5375	Problems in Elementary Education	3
CI 5310	Creativity: Theories, Research, and Applications	3
CI 5311	Practicum in Talent Development	3
CI 5319	Social, Emotional, and Cultural Contexts of Advanced Development	3
CI 7352	Beginning Qualitative Design and Analysis	3
CI 5330	Multicultural Teaching and Learning	3
Thesis		
CI 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
CI 5199B	Thesis	
CI 5299B	Thesis	
CI 5399B	Thesis	
CI 5599B	Thesis	
CI 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Curriculum and Instruction: CI (p.), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1238), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Arts (M.A.) Major in Elementary Education Bilingual/Bicultural

The degree program in Elementary Education Bilingual Bicultural is designed for bilingual and bi-literate (Spanish and English) individuals interested in teaching in bilingual education programs in grades pre-kindergarten through grade six, including two-way dual language immersion programs. Graduate students in the field of bilingual education help meet an area of critical shortage as cited by the Texas Education Agency, and are prepared to teach students from culturally and linguistically diverse backgrounds applying appropriate and sustaining pedagogical approaches that offer students access to excellence and equity in schooling.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted.

- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- interview with the bilingual coordinator to ensure the student's proficiency in written and spoken Spanish
- statement of purpose (one page) describing why the student wishes to teach
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Elementary Education Bilingual/Bicultural requires 30 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
BILG 5374	Bilingual/ESL Academic Content Instruction	3
CI 5306	Evaluative Techniques for the Classroom Teacher	3
CI 5327	Principles and Practices in the Elementary School	3
CI 5330	Multicultural Teaching and Learning	3
CI 5336	Methods and Materials for Teaching English as a Second Language	3
CI 5387	Bilingual Education: Principles and Practices	3
Thesis		
CI 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
CI 5199B	Thesis	
CI 5299B	Thesis	
CI 5399B	Thesis	
CI 5599B	Thesis	
CI 5999B	Thesis	
Minor		
Choose a 6-hour advisor-approved minor		6
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being

made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Curriculum and Instruction: CI (p. 1244), DE (p. 1248), ECE (p. 1250), EDTC (p. 1250), RDG (p. 1251), SPED (p. 1253)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including "workshop" techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Arts (M.A.) Major in Secondary Education

Program Overview

The program develops teacher leaders who will make significant contributions in schools and other educational settings. The department offers paid assistantships, which give students opportunities to help professors conduct research or teach classes while earning a salary.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted.
- minimum 3.4 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- statement of purpose (one page) identifying and describing the student's research interests

TOEFL or IELTS scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Secondary Education requires 30 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5390	Research Seminar in Education	3
CI 5302	Practical Statistics for Educators	3
CI 5389	Action Research for Practicioners	3
or CI 7326	Grant Development and Management	
CI 5339	Project-Based Instruction	3
or RDG 5324	Developing Content Area Literacy in Middle and Secondary Schools	
CI 5306	Evaluative Techniques for the Classroom Teacher	3
or SPED 5326	Educating Students with Mild Disabilities	
Thesis		
CI 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
CI 5199B	Thesis	
CI 5299B	Thesis	
CI 5399B	Thesis	
CI 5599B	Thesis	
CI 5999B	Thesis	
Cognate		
Choose 9 hours of advisor-approved courses		9
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Curriculum and Instruction: CI (p. 1257), DE (p. 1261), ECE (p. 1262), EDTC (p. 1262), RDG (p. 1263), SPED (p. 1265)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Educational Technology

Major Program

Graduates of the Educational Technology program will be prepared to teach technology applications, use technology to support student learning of subject-area content, and provide professional development, mentoring, and basic technical and instructional assistance to other professional educators on their campuses and/or in their districts.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- statement of purpose (approximately 500 words) describing background and career goals including:

- background in teaching and education
- experience with using/integrating technology in the classroom
- how the student's goals tie into the mission of the educational technology graduate program
- what the student hopes to achieve by completing the program

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT with minimum individual scores of
  - 22 listening
  - 22 reading
  - 24 speaking
  - 21 writing
- This program does not offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Educational Technology requires 39 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5390	Research Seminar in Education [1]	3
EDTC 5310	Introduction to Educational Technology	3
EDTC 5315	Advanced Educational Technology	3
EDTC 5320	Models of Integration of Educational Technology	3
EDTC 5325	Managing Educational Technology	3
EDTC 5330	Implementing Technology in Education	3
EDTC 5335	Instructional Design for Educational Technology	3
EDTC 5340	Issues in Educational Technology	3
EDTC 5345	Educational Technology Internship	3
Cognate – Educational Technology		
Choose 12 hours from the following:		12
ADED 5321	Adult Learning and Development	
ADED 5344	Multicultural Perspectives in Postsecondary Education and Adult Education	
ADED 5382	Foundations of Adult Education	
CI 5306	Evaluative Techniques for the Classroom Teacher	
CI 5312	Elementary Language Arts: Current Trends	
CI 5314	Human Growth and Development II	
CI 5333	The Secondary Curriculum	
CI 5363	Strategies for Improving Secondary Teaching	
DE 5324	Teaching Learning Strategies and Critical Thinking	
DE 5375	Learners in Developmental Education Contexts	
EDCL 5339	Understanding Self: Developing a Personal Vision of Leadership	
EDCL 5340	Shaping Organizations and Using Inquiry: Management and Leadership	
EDCL 5345	Understanding People: Professional Development	
EDCL 5348	Supervision of Instruction	
EDTC 5334	Online Learning and Course Design	
EDTC 5341	Digital Fabrication and Simple Electronics	
RDG 5324	Developing Content Area Literacy in Middle and Secondary Schools	
RDG 5340	Connecting Reading and Writing in the Classroom	
May choose advisor-approved courses from outside the College of Education		
Total Hours		39

[1] CI 5390 must be taken within the first 12 hours of the graduate program.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1268), DE (p. 1273), ECE (p. 1274), EDTC (p. 1274), RDG (p. 1275), SPED (p. 1277)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including "workshop" techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Elementary Education

Program Overview

Texas State has been a top school for educators for over 100 years. Texas State is the ideal choice for teachers seeking to improve their performance and for career changers looking for certification with a master's degree. The community of students enrolled in the master's degree programs in elementary education at Texas State are passionate about teaching, learning and making a difference.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- one-page statement of purpose on why the student wishes to teach
- three letters of recommendation

TOEFL or IELTS scores
Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Elementary Education requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5309	Talent Development	3
CI 5327	Principles and Practices in the Elementary School	3
CI 5390	Research Seminar in Education [1]	3
EDTC 5310	Introduction to Educational Technology	3
Strategies		
CI 5310	Creativity: Theories, Research, and Applications	3
Math/Science		
Choose 3 hours from the following:		3
CI 5303	Teaching Math in the Elementary School	
CI 5304	Teaching Mathematics and Science in the Elementary School	
CI 5329	The Elementary School Science Curriculum	

Social Studies/Reading		
CI 5312	Elementary Language Arts: Current Trends	3
or CI 5328	Elementary Social Studies: Curriculum Problems	
Cultural Issues		
Choose 3 hours from the following:		3
CI 5319	Social, Emotional, and Cultural Contexts of Advanced Development	
CI 5330	Multicultural Teaching and Learning	
CI 5336	Methods and Materials for Teaching English as a Second Language	
RDG 5331	Literacy Methods for Linguistically and Culturally Diverse Students	
Minor		
12-hour Elementary Education Methods and Materials minor		12
Total Hours		36

[1] CI 5390 should be taken in the first semester of attendance.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1280), DE (p. 1284), ECE (p. 1285), EDTC (p. 1286), RDG (p. 1286), SPED (p. 1289)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Elementary Education (Early Childhood Concentration)

The program offers advanced studies in curriculum, teaching and learning at the levels of early childhood through middle grades education. The community of students enrolled in the master’s degree programs in

elementary education at Texas State are passionate about teaching, learning and making a difference.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- one-page statement of purpose on why the student wishes to teach
- three letters of recommendation

TOEFL or IELTS scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Elementary Education requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5309	Talent Development	3
CI 5327	Principles and Practices in the Elementary School	3
CI 5390	Research Seminar in Education [1]	3
EDTC 5310	Introduction to Educational Technology	3
Concentration		
ECE 5318	Advanced Early Child Development: Readiness for Learning and Language Abilities	3
ECE 5319	Curriculum and the Young Child, I (Kindergarten)	3
ECE 5330	Curriculum and the Young Child, II (Kindergarten)	3
ECE 5380	Independent Study in Early Childhood	3
Minor		
Choose a 12-hour advisor-approved minor		12
Total Hours		36

[1] CI 5390 should be taken in the first semester of attendance.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1291), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1298), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including "workshop" techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Elementary Education (Talent Development Concentration)

How people think about "talent," "development," and "teaching" matters; it has real effects. In a master's program with an emphasis in talent development, you will be supported in thinking critically about educational practices, histories, policies, and trends; and you will be exposed to ways to encourage talent development and creativity beyond dominant perspectives and traditional categories, populations, and places. You will work with others toward educational equity. You will enhance your **teaching**, your **creative practices**, and your **engagement with the world**.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required

TOEFL or IELTS scores
Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Elementary Education requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5309	Talent Development	3
CI 5310	Creativity: Theories, Research, and Applications	3
or CI 5381	Creativity, Interest, and World(s)	
CI 5311	Practicum in Talent Development	3
CI 5330	Multicultural Teaching and Learning	3
or BILG 5388	The Politics of Language	
CI 5359	Curriculum for Depth and Challenge	3
or CI 5368	The Politics and Creativity of Being and Becoming	
CI 5383	Mentoring Across the Life Span	3
CI 5390	Research Seminar in Education	3
Choose 3 hours from the following:		3
CI 5303	Teaching Math in the Elementary School	
CI 5328	Elementary Social Studies: Curriculum Problems	
CI 5329	The Elementary School Science Curriculum	
CI 5372	Philosophical Foundations of Education	
CI 5373	Professional Development for Teachers: Models, Research, and Theory	
RDG 5340	Connecting Reading and Writing in the Classroom	
SPED 5360	Survey of Exceptionality	
Elective		
Choose 3 hours from the following:		3
CI 5317	Teaching Strategies for Elementary Teachers: Alternative Models	
EDCL 5339	Understanding Self: Developing a Personal Vision of Leadership	
EDTC 5310	Introduction to Educational Technology	
Minor		
Choose a 9-hour advisor-approved minor		9
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1303), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1309), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 3300. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of computers, mobile devices, and online applications in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Elementary Education (4-8 English Language Arts and Reading/Social Studies Certification Option)

Major Program

Texas State has been a top school for educators for over 100 years. Texas State is the ideal choice for teachers seeking to improve their performance and for career changers looking for certification with a master’s degree. The community of students enrolled in the master’s degree programs in elementary education at Texas State are passionate about teaching, learning and making a difference.

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be

ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $35 nonrefundable Texas Education Agency technology fee (if offered admission)

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- one-page statement of purpose on why the student wishes to teach
- three letters of recommendation

TOEFL scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores with minimum individual scores of
  - 19 listening
  - 19 reading
  - 26 speaking
  - 19 writing

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Elementary Education (4–8 English Language Arts and Reading/Social Studies Certification) requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5308	Introduction to Gifted/Talented Education	3
CI 5314	Human Growth and Development II	3
CI 5322	Middle School Instructional Strategies and Practices	3
CI 5323	Middle School Philosophy and Learning	3
CI 5328	Elementary Social Studies: Curriculum Problems	3
CI 5330	Multicultural Teaching and Learning	3
CI 5390	Research Seminar in Education [1]	3
EDTC 5310	Introduction to Educational Technology	3
RDG 5322	Teaching Reading in the Elementary and Middle Schools	3
RDG 5340	Connecting Reading and Writing in the Classroom	3
RDG 5345	Assessment-Driven Literacy Instruction	3
SPED 5326	Educating Students with Mild Disabilities	3
Total Hours		36

[1] CI 5390 should be taken in the first semester of attendance.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1314), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1321), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including "workshop" techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Elementary Education (4-8 Science Certification Option)

Major Program

Texas State has been a top school for educators for over 100 years. Texas State is the ideal choice for teachers seeking to improve their performance and for career changers looking for certification with a master's degree. The community of students enrolled in the master's degree programs in elementary education at Texas State are passionate about teaching, learning and making a difference.

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $35 nonrefundable Texas Education Agency technology fee (if offered admission)

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- one-page statement of purpose on why the student wishes to teach
- three letters of recommendation

TOEFL scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores with minimum individual scores of
  - 19 listening
  - 19 reading
  - 26 speaking
  - 19 writing

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree in Elementary Education with the 4–8 Science Certification requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5304	Teaching Mathematics and Science in the Elementary School	3
CI 5308	Introduction to Gifted/Talented Education	3
CI 5313	Research Seminar in Human Growth and Development	3
or CI 5314	Human Growth and Development II	
CI 5322	Middle School Instructional Strategies and Practices	3
CI 5323	Middle School Philosophy and Learning	3
CI 5329	The Elementary School Science Curriculum	3
CI 5330	Multicultural Teaching and Learning	3
CI 5390	Research Seminar in Education [1]	3
RDG 5324	Developing Content Area Literacy in Middle and Secondary Schools	3
SPED 5326	Educating Students with Mild Disabilities	3
Science Requirement		
BIO 5305	Methods of Nature Study for Teachers	3
or BIO 5408	Science Processes and Research	
Choose 3 hours of advisor-approved science electives		3
Total Hours		36

[1] CI 5390 should be taken in the first semester of attendance.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1326), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1333), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including "workshop" techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Elementary Education (4-8 Mathematics Certification Option)

Major Program

Texas State has been a top school for educators for over 100 years. Texas State is the ideal choice for teachers seeking to improve their performance and for career changers looking for certification with a master's degree. The community of students enrolled in the master's degree programs in elementary education at Texas State are passionate about teaching, learning and making a difference.

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $35 nonrefundable Texas Education Agency technology fee (if offered admission)

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- one-page statement of purpose on why the student wishes to teach
- three letters of recommendation

TOEFL scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores with minimum individual scores of
  - 19 listening
  - 19 reading
  - 26 speaking
  - 19 writing

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Elementary Education (4–8 Mathematics Certification) requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5303	Teaching Math in the Elementary School	3
CI 5308	Introduction to Gifted/Talented Education	3
CI 5314	Human Growth and Development II	3
CI 5322	Middle School Instructional Strategies and Practices	3
CI 5323	Middle School Philosophy and Learning	3
CI 5329	The Elementary School Science Curriculum	3
CI 5330	Multicultural Teaching and Learning	3
CI 5390	Research Seminar in Education [1]	3
RDG 5324	Developing Content Area Literacy in Middle and Secondary Schools	3
SPED 5326	Educating Students with Mild Disabilities	3
Math Requirement		
Choose 6 hours of advisor-approved math electives		6
Total Hours		36

[1] CI 5390 should be taken in the first semester of attendance.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1338), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1344), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Elementary Education (4-8 Generalist Certification Option)

Major Program

Texas State has been a top school for educators for over 100 years. Texas State is the ideal choice for teachers seeking to improve their performance and for career changers looking for certification with a master's degree. The community of students enrolled in the master's degree programs in elementary education at Texas State are passionate about teaching, learning and making a difference.

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $35 nonrefundable Texas Education Agency fee (if offered admission)

and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- one-page statement of purpose on why the student wishes to teach
- three letters of recommendation

TOEFL scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores with minimum individual scores of
  - 19 listening
  - 19 reading
  - 26 speaking
  - 19 writing

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree in Elementary Education with the 4–8 Generalist Certification requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5303	Teaching Math in the Elementary School	3
CI 5314	Human Growth and Development II	3
CI 5322	Middle School Instructional Strategies and Practices	3
CI 5323	Middle School Philosophy and Learning	3
CI 5328	Elementary Social Studies: Curriculum Problems	3
CI 5329	The Elementary School Science Curriculum	3
CI 5330	Multicultural Teaching and Learning	3
CI 5390	Research Seminar in Education [1]	3
RDG 5322	Teaching Reading in the Elementary and Middle Schools	3
RDG 5340	Connecting Reading and Writing in the Classroom	3
RDG 5345	Assessment-Driven Literacy Instruction	3
SPED 5326	Educating Students with Mild Disabilities	3
Total Hours		36

[1] CI 5390 should be taken in the first semester of attendance.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1349), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1356), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including "workshop" techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Elementary Education (EC-6 Generalist ESL Certification Option)

Major Program

Texas State has been a top school for educators for over 100 years. Texas State is the ideal choice for teachers seeking to improve their performance and for career changers looking for certification with a master's degree. The community of students enrolled in the master's degree programs in elementary education at Texas State are passionate about teaching, learning and making a difference.

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $35 nonrefundable Texas Education Agency technology fee (if offered admission)

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- one-page statement of purpose on why the student wishes to teach
- three letters of recommendation

TOEFL scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores with minimum individual scores of
  - 19 listening
  - 19 reading
  - 26 speaking
  - 19 writing

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree in Elementary Education with the EC–6 Generalist ESL Certification requires 36 semester credit hours. CI 5313 (http://mycatalog.txstate.edu/search/?P=CI%205313) should be taken in the first or second semester of attendance. CI 5326 (http://mycatalog.txstate.edu/search/?P=CI%205326) should be taken by the end of the second semester. RDG 5340 (http://mycatalog.txstate.edu/search/?P=RDG%205340), CI 5303 (http://mycatalog.txstate.edu/search/?P=CI%205303), CI 5328 (http://mycatalog.txstate.edu/search/?P=CI%205328), and CI 5329 (http://mycatalog.txstate.edu/search/?P=CI%205329) should be taken during the last 15 hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5303	Teaching Math in the Elementary School	3
CI 5313	Research Seminar in Human Growth and Development	3
CI 5326	Curriculum & Management in the Elementary & Middle School	3
CI 5328	Elementary Social Studies: Curriculum Problems	3
CI 5329	The Elementary School Science Curriculum	3
CI 5336	Methods and Materials for Teaching English as a Second Language	3
CI 5337	Language Acquisition and Development	3
CI 5387	Bilingual Education: Principles and Practices	3
ECE 5318	Advanced Early Child Development: Readiness for Learning and Language Abilities	3

or ECE 5319	Curriculum and the Young Child, I (Kindergarten)	
RDG 5322	Teaching Reading in the Elementary and Middle Schools	3
RDG 5340	Connecting Reading and Writing in the Classroom	3
SPED 5326	Educating Students with Mild Disabilities	3
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1361), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1367), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Elementary Education (EC-6 Generalist Bilingual Certification Option)

Major Program

Texas State has been a top school for educators for over 100 years. Texas State is the ideal choice for teachers seeking to improve their performance and for career changers looking for certification with a master's degree. The community of students enrolled in the master's degree programs in elementary education at Texas State are passionate about teaching, learning and making a difference.

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $35 nonrefundable Texas Education Agency technology fee (if offered admission)

and either

- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- one-page statement of purpose on why the student wishes to teach
- three letters of recommendation

TOEFL scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores with minimum individual scores of
  - 19 listening
  - 19 reading
  - 26 speaking
  - 19 writing

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree in Elementary Education with the EC–6 Generalist Bilingual Certification requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5326	Curriculum & Management in the Elementary & Middle School	3
CI 5328	Elementary Social Studies: Curriculum Problems	3
CI 5329	The Elementary School Science Curriculum	3
CI 5336	Methods and Materials for Teaching English as a Second Language	3
BILG 5374	Bilingual/ESL Academic Content Instruction	3
CI 5387	Bilingual Education: Principles and Practices	3
RDG 5322	Teaching Reading in the Elementary and Middle Schools	3
RDG 5340	Connecting Reading and Writing in the Classroom	3
SPED 5326	Educating Students with Mild Disabilities	3
Concentration		
CI 5303	Teaching Math in the Elementary School	3
CI 5313	Research Seminar in Human Growth and Development [1]	3
CI 5337	Language Acquisition and Development	3
Total Hours		36

[1] CI 5313 should be taken in the first semester of attendance.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1372), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1379), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including "workshop" techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Elementary Education (EC-6 Teacher Recruitment Program ESL)

Program Overview

Texas State University's specialized concentration, referred to as the Teacher Recruitment Program (TRP), began in 2001 as an ideal entry for second-career considerations. Students on this path may receive their certification after two semesters of field-based and academic course work and complete their master's degree while earning a teacher's salary.

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $35 nonrefundable Texas Education Agency technology fee (if offered admission)

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- interview
- resume/CV
- one-page statement of purpose on why the student wishes to teach
- three letters of recommendation

TOEFL Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores with minimum individual scores of
  - 19 listening
  - 19 reading
  - 26 speaking
  - 19 writing

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree in Elementary Education with the EC–6 Teacher Recruitment Program ESL requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5326	Curriculum & Management in the Elementary & Middle School	3
RDG 5322	Teaching Reading in the Elementary and Middle Schools	3
RDG 5340	Connecting Reading and Writing in the Classroom	3
CI 5313	Research Seminar in Human Growth and Development	3
CI 5336	Methods and Materials for Teaching English as a Second Language	3
CI 5304	Teaching Mathematics and Science in the Elementary School	3
SPED 5326	Educating Students with Mild Disabilities	3
CI 5390	Research Seminar in Education	3
CI 5387	Bilingual Education: Principles and Practices	3
CI 5337	Language Acquisition and Development	3
Concentration		
Choose 6 hours of the following:		6
CI 5328	Elementary Social Studies: Curriculum Problems	
CI 5329	The Elementary School Science Curriculum	

CI 5303	Teaching Math in the Elementary School	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1384), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1390), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Elementary Education (Teacher Fellows)

The program provides a supportive professional community for beginning teachers, or fellows, using integrated curriculum focused on principles of constructivist learning, teacher research, project-based learning and performance assessment while immersing fellows in a central Texas school district teaching position. Experienced teachers serve as on-site mentors and provide a variety of support.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in elementary education from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- background inquiry release

- resume/CV
- statement of purpose (2-3 pages, double-spaced, computer-generated) addressing the following:
  - prior teaching experiences
  - rationale for pursuing graduate study in the teacher fellows program
  - strengths and weaknesses with respect to being admitted into this program
- three forms of recommendation
- valid Texas teaching license/certificate prior to beginning course work (if admitted)

TOEFL or IELTS scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree in Elementary Education (Teacher Fellows) requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5313	Research Seminar in Human Growth and Development	3
CI 5317	Teaching Strategies for Elementary Teachers: Alternative Models	3
CI 5326	Curriculum & Management in the Elementary & Middle School	3
CI 5327	Principles and Practices in the Elementary School	3
CI 5370	Classroom Management, Discipline, and Legal Issues	3
CI 5389	Action Research for Practicioners	3
CI 5390	Research Seminar in Education	3
Minor in Methods and Materials-Teacher Fellows		15
CI 5375	Problems in Elementary Education	
Electives: Choose 12 hours from the following:		
CI 5303	Teaching Math in the Elementary School	
CI 5310	Creativity: Theories, Research, and Applications	
CI 5312	Elementary Language Arts: Current Trends	
CI 5328	Elementary Social Studies: Curriculum Problems	
CI 5329	The Elementary School Science Curriculum	
CI 5330	Multicultural Teaching and Learning	
CI 5336	Methods and Materials for Teaching English as a Second Language	
ECE 5319	Curriculum and the Young Child, I (Kindergarten)	
ECE 5330	Curriculum and the Young Child, II (Kindergarten)	
EDCL 5339	Understanding Self: Developing a Personal Vision of Leadership	
EDCL 5340	Shaping Organizations and Using Inquiry: Management and Leadership	
EDTC 5310	Introduction to Educational Technology	
EDTC 5315	Advanced Educational Technology	
ENG 5388	Studies in Literature for Children or Adolescents	
GEO 5340	Active Learning in Geography	
RDG 5322	Teaching Reading in the Elementary and Middle Schools	
RDG 5324	Developing Content Area Literacy in Middle and Secondary Schools	
RDG 5331	Literacy Methods for Linguistically and Culturally Diverse Students	
RDG 5340	Connecting Reading and Writing in the Classroom	
RDG 5380	Independent Study in Reading Research	
SOCI 5370	Seminar in Multi-Cultural Relations	
SPED 5334	Assessment and Evaluation of Students with Disabilities	
SPED 5360	Survey of Exceptionality	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1395), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1402), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including "workshop" techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Elementary Education (Master Math Teacher EC-4 Certification Option)

Major Program

Texas State offers a flexible program delivered in online and on-campus formats to obtain a master's in elementary education with an emphasis on elementary mathematics. Embedded within the degree curriculum are the requirements necessary to apply for the Master Math Teacher's Exam EC-4 exam upon graduation. This particular program aligns with the curriculum and demands of a classroom teacher and the TEKS as it teaches you to be a practitioner researcher.

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $35 nonrefundable Texas Education Agency technology fee (if offered admission)

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- one-page statement of purpose on why the student wishes to teach
- three letters of recommendation

TOEFL scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores with minimum individual scores of
  - 19 listening
  - 19 reading
  - 26 speaking
  - 19 writing

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree in Elementary Education with the Master Math Teacher EC–4 Certification requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5302	Practical Statistics for Educators	3
CI 5303	Teaching Math in the Elementary School	3
CI 5304	Teaching Mathematics and Science in the Elementary School	3
CI 5305	Methods in Geometry for Elementary Math Teachers	3
CI 5306	Evaluative Techniques for the Classroom Teacher	3
CI 5310	Creativity: Theories, Research, and Applications	3
CI 5315	Coaching Skills for Elementary Math Mentors	3
CI 5316	Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers	3
CI 5330	Multicultural Teaching and Learning	3
CI 5339	Project-Based Instruction	3
CI 5389	Action Research for Practicioners	3
CI 5390	Research Seminar in Education [1]	3
Total Hours		36

[1] CI 5390 should be taken in the first semester of attendance.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1407), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1414), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including "workshop" techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Elementary Education Bilingual/ Bicultural

The degree program in Elementary Education Bilingual Bicultural is designed for bilingual and bi-literate (Spanish and English) individuals interested in teaching in bilingual education programs in grades pre-kindergarten through grade six, including two-way dual language immersion programs. Graduate students in the field of bilingual education help meet an area of critical shortage as cited by the Texas Education Agency, and are prepared to teach students from culturally and linguistically diverse backgrounds applying appropriate and sustaining pedagogical approaches that offer students access to excellence and equity in schooling.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted.
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- interview with the bilingual coordinator to ensure the student's proficiency in written and spoken Spanish
- statement of purpose (one page) describing why the student wishes to teach
- three letters of recommendation

This program does **not** offer admission if the scores above are not met.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

official TOEFL iBT scores required with a 78 overall official IELTS (academic) scores required with a 6.5 overall and

- minimum individual module scores of 6.0

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Elementary Education Bilingual/Bicultural requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5327	Principles and Practices in the Elementary School	3
CI 5330	Multicultural Teaching and Learning	3
CI 5336	Methods and Materials for Teaching English as a Second Language	3
CI 5337	Language Acquisition and Development	3
BILG 5367	Policy and Practice in Dual Language Immersion Education	3
BILG 5374	Bilingual/ESL Academic Content Instruction	3
CI 5387	Bilingual Education: Principles and Practices	3
CI 5390	Research Seminar in Education	3
Minor		
Choose a 12-hour advisor-approved minor		12
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1419), DE (p. 1423), ECE (p. 1424), EDTC (p. 1424), RDG (p. 1425), SPED (p. 1427)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Reading Education

Major Program

The reading education major consists of course work in language and literacy development, reading and writing theory and research, teaching literacy from PK through grade 16, teaching with children's/young adult/adult literature, teaching reading and writing in a multilingual/multicultural environment, literacy assessment, and internship. Reading education majors are prepared to meet the International Reading Association professional standards for Reading Specialist/Literacy Coach or the Reading Administrator. Certified teachers with three or more years of teaching experience who successfully complete the major and pass the Professional Reading Specialist Texas Examination of Educator Standards (TExES) qualify for the PK-12 Professional Reading Specialist certificate. An academic minor in reading education is available for those students majoring in other areas. Neither the major nor the minor leads to initial certification as a teacher.

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the

International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $35 nonrefundable Texas Education Agency technology fee (if offered admission)

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- departmental application
- statement of purpose (3–5 pages, double-spaced) describing current teaching of literacy, objectives in enrolling in the program, and goals for improving literacy instruction
- copy of official teaching certificate (and preferably at least one year of teaching experience)

TOEFL Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with minimum individual scores of
  - 22 listening
  - 22 reading
  - 24 speaking
  - 21 writing

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Reading Education requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
RDG 5310	Teaching Literacy with Children's and Young Adult Literature	3
RDG 5320	Foundations of Literacy Instruction	3
RDG 5322	Teaching Reading in the Elementary and Middle Schools	3
RDG 5326	Developmental Literacy in the Middle and Secondary Schools	3
RDG 5331	Literacy Methods for Linguistically and Culturally Diverse Students	3
RDG 5340	Connecting Reading and Writing in the Classroom	3
RDG 5345	Assessment-Driven Literacy Instruction	3
RDG 6330	Language Acquisition and Development for Literacy Instruction	3
Internship		
RDG 6336	Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools	3
RDG 6333	Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development	3
Cognate		
Choose 6 hours of advisor-approved courses		6
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1430), DE (p. 1435), ECE (p. 1436), EDTC (p. 1436), RDG (p. 1437), SPED (p. 1439)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including "workshop" techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Secondary Education

Program Overview

The program develops teacher leaders who will make significant contributions in schools and other educational settings. The department offers paid assistantships, which give students opportunities to help professors conduct research or teach classes while earning a salary.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with minimum individual scores of
  - 22 listening
  - 22 reading
  - 24 speaking
  - 21 writing

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Secondary Education requires 36 semester credit hours. Students who do not have a teaching certificate may be required to complete specific background courses before beginning graduate course work.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5302	Practical Statistics for Educators	3
CI 5339	Project-Based Instruction	3
CI 5389	Action Research for Practicioners	3
CI 5390	Research Seminar in Education [1]	3
DE 5373	Grant Development and Management	3
EDTC 5310	Introduction to Educational Technology	3
Electives		
Choose 6 hours of advisor-approved electives:		6
CI 5330	Multicultural Teaching and Learning	
CI 5372	Philosophical Foundations of Education	
CI 5383	Mentoring Across the Life Span	

RDG 5324	Developing Content Area Literacy in Middle and Secondary Schools	
EDTC 5334	Online Learning and Course Design	
Minor		
Choose a 12-hour advisor-approved minor		12
Total Hours		36

[1] CI 5390 must be taken in the first 6 hours of enrollment.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1442), DE (p. 1446), ECE (p. 1447), EDTC (p. 1448), RDG (p. 1448), SPED (p. 1451)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Secondary Education (Education Technology Concentration)

Program Overview

This degree is designed for students seeking a master’s degree, a teaching certificate, and professional development to become a campus-

level technology specialist. Graduates of the program are capable of establishing and directing a computer lab, providing in-service training for campus faculty, and developing grant proposals.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Secondary Education concentration in education technology requires 39 semester credit hours. Students who do not have a teaching certificate may be required to complete specific background courses before beginning graduate course work.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5314	Human Growth and Development II	3
CI 5333	The Secondary Curriculum	3
CI 5363	Strategies for Improving Secondary Teaching	3
CI 5390	Research Seminar in Education [1]	3
EDTC 5310	Introduction to Educational Technology	3
EDTC 5315	Advanced Educational Technology	3
EDTC 5325	Managing Educational Technology	3
EDTC 5330	Implementing Technology in Education	3
Electives		
Choose 3 hours of electives from the following:		3
CI 5306	Evaluative Techniques for the Classroom Teacher	
CI 5336	Methods and Materials for Teaching English as a Second Language	
CI 5370	Classroom Management, Discipline, and Legal Issues	
RDG 5331	Literacy Methods for Linguistically and Culturally Diverse Students	
RDG 5340	Connecting Reading and Writing in the Classroom	
SPED 5326	Educating Students with Mild Disabilities	
SPED 5327	Educating Students with Autism and Other Developmental Disabilities	
Minor		
Choose a 12-hour advisor-approved minor		12
Total Hours		39

[1] CI 5390 must be taken in the first 6 hours of enrollment.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p.), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1460), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including "workshop" techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Secondary Education (Talent Development Concentration)

Although “talent” has often been associated with gifted education, the talent development concentration at Texas State is not a “gifted education” program, nor is it limited to a focus on children or school settings. The curriculum addresses talent development, creative action, engagement with the world and well-being across the life course.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Secondary Education concentration in Talent Development requires 36 semester credit hours. Students who do not have a teaching certificate may be required to complete specific background courses before beginning graduate course work.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5309	Talent Development	3
CI 5310	Creativity: Theories, Research, and Applications	3
or CI 5381	Creativity, Interest, and World(s)	
CI 5311	Practicum in Talent Development	3
CI 5330	Multicultural Teaching and Learning	3
or BILG 5388	The Politics of Language	
CI 5359	Curriculum for Depth and Challenge	3
or CI 5368	The Politics and Creativity of Being and Becoming	
CI 5383	Mentoring Across the Life Span	3
CI 5390	Research Seminar in Education	3
Choose 3 hours from the following:		3

CI 5364	Advanced Instructional Strategies for Secondary Education Teachers	
CI 5372	Philosophical Foundations of Education	
CI 5373	Professional Development for Teachers: Models, Research, and Theory	
RDG 5324	Developing Content Area Literacy in Middle and Secondary Schools	
SPED 5360	Survey of Exceptionality	
Electives		
Choose 3 hours from the following:		3
EDCL 5339	Understanding Self: Developing a Personal Vision of Leadership	
EDTC 5310	Introduction to Educational Technology	
CI 5339	Project-Based Instruction	
Minor		
Choose a 9-hour advisor-approved minor		9
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p.), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1471), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Secondary Education (Teacher Recruitment Program)

Program Overview

This specialized M.Ed. program in secondary education provides an accelerated pathway for well-qualified post-baccalaureate individuals

seeking initial teacher certification. Students on this path may receive their certification after two semesters of field-based and academic course work and complete their master's degree while earning a teacher's salary.

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- interview with graduate advisor
- resume/CV
- statement of purpose
- three forms of recommendation

TOEFL Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores with minimum individual scores of
  - 22 listening
  - 22 reading
  - 24 speaking
  - 21 writing

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Secondary Education concentration in teacher recruitment program requires 36 semester credit hours. Students who do not have a teaching certificate may be required to complete specific background courses before beginning graduate course work.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5326	Curriculum & Management in the Elementary & Middle School	3
RDG 5322	Teaching Reading in the Elementary and Middle Schools	3
RDG 5340	Connecting Reading and Writing in the Classroom	3
CI 5313	Research Seminar in Human Growth and Development	3
CI 5336	Methods and Materials for Teaching English as a Second Language	3
CI 5304	Teaching Mathematics and Science in the Elementary School	3
SPED 5326	Educating Students with Mild Disabilities	3
CI 5390	Research Seminar in Education	3
CI 5387	Bilingual Education: Principles and Practices	3
CI 5337	Language Acquisition and Development	3
Choose 6 hours from the following:		6
CI 5328	Elementary Social Studies: Curriculum Problems	
CI 5329	The Elementary School Science Curriculum	
CI 5303	Teaching Math in the Elementary School	
Composite – Secondary Education TRP		
Choose a 12-hour advisor-approved minor		
Total Hours		36

[1] CI 5390 must be taken in the first 6 hours of enrollment.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p.), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1483), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Secondary Education (Teaching Certification CMED Concentration)

Program Overview

Texas State has been a top school for educators for over 100 years. Texas State is the ideal choice for teachers seeking to improve their performance and for career changers looking for certification with a master's degree. The community of students enrolled in the master's degree programs in education at Texas State are passionate about teaching, learning and making a difference.

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with minimum individual scores of
  - 22 listening
  - 22 reading
  - 24 speaking
  - 21 writing
- This program does **not** offer admission if the scores above are not met.

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Secondary Education concentration in teaching certification requires 36 semester credit hours. Students who do not have a teaching certificate may be required to complete specific background courses before beginning graduate course work.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5306	Evaluative Techniques for the Classroom Teacher	3
CI 5314	Human Growth and Development II	3
CI 5333	The Secondary Curriculum	3
CI 5363	Strategies for Improving Secondary Teaching	3
CI 5370	Classroom Management, Discipline, and Legal Issues	3
CI 5390	Research Seminar in Education [1]	3
EDTC 5310	Introduction to Educational Technology	3
RDG 5324	Developing Content Area Literacy in Middle and Secondary Schools	3
Minor		
Choose a 12-hour advisor-approved minor		12
Total Hours		36

[1] CI 5390 must be taken in the first 6 hours of enrollment.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p.), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1495), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including "workshop" techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Secondary Education (Teaching Dual Credit Courses Concentration)

Program Overview

Texas State has been a top school for educators for over 100 years. Texas State is the ideal choice for teachers seeking to improve their performance and for career changers looking for certification with a master's degree. The community of students enrolled in the master's degree programs in education at Texas State are passionate about teaching, learning and making a difference. This degree is designed for practicing teachers who are seeking an advanced degree and who want to teach dual-credit courses (e.g., History, Math, English, etc.) at the high school level.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Secondary Education concentration in teaching dual credit courses requires 36 semester credit hours. Students who do not have a teaching certificate may be required to complete specific background courses before beginning graduate course work.

Course Requirements

Code	Title	Hours
Required Courses		
CI 5302	Practical Statistics for Educators	3
CI 5339	Project-Based Instruction	3
CI 5389	Action Research for Practicioners	3
CI 5390	Research Seminar in Education [1]	3
DE 5373	Grant Development and Management	3
EDTC 5310	Introduction to Educational Technology	3
Cognate		
Choose 18 hours of advisor-approved courses		18
Total Hours		36

[1] CI 5390 must be taken in the first 6 hours of enrollment.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p.), DE (p.), ECE (p.), EDTC (p.), RDG (p. 1506), SPED (p.)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Special Education (Autism/Applied Behavior Analysis Concentration)

Major Program

The Master of Education (M.Ed.) with a major in Special Education consists of course work in special education and a cognate or minor, depending upon the program of study. A student may pursue a master's in generic special education, a master's in special education with concentration, or a master's in special education plus teaching certification. Concentration areas include autism/applied behavior analysis, behavioral disorder/positive behavioral supports, and learning disabilities/inclusion. A student pursing a degree in special education can seek a Texas State certificate in autism, behavioral disorders/positive behavioral supports, or learning disabilities/inclusion. Certificate programs range from 18-21 semester hours, most of which are included in the master's program.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $20 nonrefundable certificate fee (if applying to one of the certificate programs)*

  and either

- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- copies of certifications or licensures (if applicable)
- resume/CV (include licenses or certificates and all previous teaching or other education-related experiences)
- statement of purpose, clear and concise, addressing the following: reasons the applicant chose Texas State University's graduate program in special education and the specific area of special education selected; types of professional and/or personal interactions with people who have learning, behavioral, developmental and/or intellectual disabilities; career goals and professional achievement goals in the next 5 years; attributes the applicant has that will empower the student to excel academically if admitted into the program; and experiences in collaborative professional and/or academic settings and how these experiences have prepared the applicant for the demands of this program.
- two letters of recommendation from persons familiar with the applicant's professional work, including at least one supervisor. The letter should include an assessment of the applicant's potential to meet the academic and professional demands of a rigorous graduate program and ability to manage the social and professional demands of graduate school (e.g., getting along with peers and professors, participating in class discussions and activities, attending class, meeting deadlines, responding to feedback).
- GRE not required

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

*Texas State Certificate

The Department of Curriculum and Instruction also offers a Texas State Certificate in autism/applied behavior analysis when applying to this master's program. When choosing this option, the certificate fee is required.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Special Education concentration in autism/applied behavior analysis requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
SPED 5314	Advanced Educational Strategies for Students with Autism	3
SPED 5324	Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities	3
SPED 5329	Language Development and Intervention for Special Populations	3
SPED 5375	Behavior Management: School Application of Applied Behavior Analysis	3
SPED 5376	Advanced Intervention Practices for Challenging Behavior	3
SPED 5380	Positive Behavior Interventions and Supports in Schools	3
or SPED 5313	Education Students with Emotional/Behavioral Disorders	
SPED 5386	Advanced Techniques in Applied Behavioral Analysis	3
SPED 5387	Single-Subject Research Methods and Designs	3
SPED 5391	Field-Based Practicum in Autism Spectrum Disorders	3
Cognate – Special Education Autism		
Choose 9 hours from the following:		9
SPED 5310	Selected Topics in Special Education	
SPED 5327	Educating Students with Autism and Other Developmental Disabilities	
SPED 5340	Principles and Practices of Effective Instruction	
SPED 5354	Advanced Studies in School Discipline, Order, and Safety	
SPED 5355	Characteristics of Students with Learning Disabilities	
SPED 5356	Advanced Practices in Learning Disabilities/ Inclusion	
SPED 5382	Advanced Practices in Educating Students with Emotional/Behavioral Disorders	
May choose other advisor-approved electives		
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1511), DE (p. 1516), ECE (p. 1517), EDTC (p. 1517), RDG (p. 1518), SPED (p. 1520)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Special Education (Behavioral Disorders/Positive Behavior Supports Concentration)

Major Program

The Master of Education (M.Ed.) with a major in Special Education consists of course work in special education and a cognate or minor, depending upon the program of study. A student may pursue a master's in generic special education, a master's in special education with concentration, or a master's in special education plus teaching certification. Concentration areas include autism/applied behavior analysis, behavioral disorder/positive behavioral supports, and learning disabilities/inclusion. A student pursing a degree in special education can seek a Texas State certificate in autism, behavioral disorders/positive behavioral supports, or learning disabilities/inclusion. Certificate programs range from 18-21 semester hours, most of which are included in the master's program.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $20 nonrefundable certificate fee (if applying to one of the certificate programs)*

and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- copies of certifications or licensures (if applicable)
- resume/CV (include licenses or certificates and all previous teaching or other education-related experiences)
- statement of purpose, clear and concise, addressing the following: reasons the applicant chose Texas State University's graduate program in special education and the specific area of special education selected; types of professional and/or personal interactions with people who have learning, behavioral, developmental and/or intellectual disabilities; career goals and professional achievement goals in the next 5 years; attributes the applicant has that will empower the student to excel academically if admitted into the program; and experiences in collaborative professional and/or academic settings and how these experiences have prepared the applicant for the demands of this program.
- two letters of recommendation from persons familiar with the applicant's professional work, including at least one supervisor. The letter should include an assessment of the applicant's potential to meet the academic and professional demands of a rigorous graduate program and ability to manage the social and professional demands of graduate school (e.g., getting along with peers and professors, participating in class discussions and activities, attending class, meeting deadlines, responding to feedback).
- GRE not required

TOEFL or IELTS scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

*Texas State Certificate

The Department of Curriculum and Instruction also offers a Texas State Certificate in behavioral disorders/positive behavioral support when applying to this master's program. When choosing this option, an additional certificate fee is required.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Special Education concentration in behavioral disorders/positive behavior supports requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
SPED 5311	Teaching Language Arts to Students with Disabilities	3
SPED 5313	Education Students with Emotional/Behavioral Disorders	3
SPED 5314	Advanced Educational Strategies for Students with Autism	3
or SPED 5327	Educating Students with Autism and Other Developmental Disabilities	
SPED 5340	Principles and Practices of Effective Instruction	3
SPED 5355	Characteristics of Students with Learning Disabilities	3
SPED 5356	Advanced Practices in Learning Disabilities/ Inclusion	3
SPED 5375	Behavior Management: School Application of Applied Behavior Analysis	3
SPED 5376	Advanced Intervention Practices for Challenging Behavior	3
SPED 5380	Positive Behavior Interventions and Supports in Schools	3
SPED 5382	Advanced Practices in Educating Students with Emotional/Behavioral Disorders	3
SPED 5392	Field Based Practicum in Behavior Disorders/ Positive Behavior Supports	3
or SPED 5389	Special Education Practicum	
Elective		
Choose 3 hours from the following:		3
CDIS 5333	Language Disorders in School-Age and Adolescence	
FCD 5344	Infant and Early Childhood Mental Health	
PSY 5324	Biological Bases of Behavior	
PSY 5370	Learning, Cognition, and Motivation	
SPED 5354	Advanced Studies in School Discipline, Order, and Safety	
SPED 5387	Single-Subject Research Methods and Designs	
SPSY 5396	Biological Bases of Behavior	
SOWK 5310	Social Welfare Policy and Services	
SOWK 5312	Social Work Intervention in Drug Addiction & Abuse	
SOWK 5315	Social Work Intervention in Child Abuse & Neglect	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1524), DE (p. 1528), ECE (p. 1529), EDTC (p. 1529), RDG (p. 1530), SPED (p. 1532)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Special Education (Learning Disabilities/Inclusion Concentration)

Major Program

The Master of Education (M.Ed.) with a major in Special Education consists of course work in special education and a cognate or minor, depending upon the program of study. A student may pursue a master's in generic special education, a master's in special education with concentration, or a master's in special education plus teaching certification. Concentration areas include autism/applied behavior analysis, behavioral disorder/positive behavioral supports, and learning disabilities/inclusion. A student pursing a degree in special education can seek a Texas State certificate in autism, behavioral disorders/positive behavioral supports, or learning disabilities/inclusion. Certificate programs range from 18-21 semester hours, most of which are included in the master's program.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $20 nonrefundable certificate fee (if applying to one of the certificate programs)*

  and either

- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- copies of certifications or licensures (if applicable)
- resume/CV (include licenses or certificates and all previous teaching or other education-related experiences)
- statement of purpose, clear and concise, addressing the following: reasons the applicant chose Texas State University's graduate program in special education and the specific area of special education selected; types of professional and/or personal interactions with people who have learning, behavioral, developmental and/or intellectual disabilities; career goals and professional achievement goals in the next 5 years; attributes the applicant has that will empower the student to excel academically if admitted into the program; and experiences in collaborative professional and/or academic settings and how these experiences have prepared the applicant for the demands of this program.
- two letters of recommendation from persons familiar with the applicant's professional work, including at least one supervisor. The letter should include an assessment of the applicant's potential to meet the academic and professional demands of a rigorous graduate program and ability to manage the social and professional demands of graduate school (e.g., getting along with peers and professors, participating in class discussions and activities, attending class, meeting deadlines, responding to feedback).
- GRE not required

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

*Texas State Certificate

The Department of Curriculum and Instruction also offers a Texas State Certificate in learning disabilities/inclusion when applying to this master's program. When choosing this option, an additional certificate fee is required.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Special Education concentration in learning disabilities/inclusion requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
SPED 5311	Teaching Language Arts to Students with Disabilities	3
SPED 5313	Education Students with Emotional/Behavioral Disorders	3
SPED 5327	Educating Students with Autism and Other Developmental Disabilities	3
or SPED 5314	Advanced Educational Strategies for Students with Autism	
SPED 5340	Principles and Practices of Effective Instruction	3
SPED 5355	Characteristics of Students with Learning Disabilities	3
SPED 5356	Advanced Practices in Learning Disabilities/ Inclusion	3
SPED 5375	Behavior Management: School Application of Applied Behavior Analysis	3
SPED 5376	Advanced Intervention Practices for Challenging Behavior	3
SPED 5380	Positive Behavior Interventions and Supports in Schools	3
SPED 5382	Advanced Practices in Educating Students with Emotional/Behavioral Disorders	3
SPED 5392	Field Based Practicum in Behavior Disorders/ Positive Behavior Supports	3
or SPED 5389	Special Education Practicum	
Elective		
Choose 3 hours from the following:		3
SPED 5324	Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities	
SPED 5354	Advanced Studies in School Discipline, Order, and Safety	
SPED 5387	Single-Subject Research Methods and Designs	
May choose other advisor-approved course		
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1535), DE (p. 1540), ECE (p. 1541), EDTC (p. 1541), RDG (p. 1542), SPED (p. 1544)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Special Education (Teacher Certification CASE Concentration)

Major Program

The Master of Education (M.Ed.) with a major in Special Education consists of course work in special education and a cognate or minor, depending upon the program of study. A student may pursue a master's in generic special education, a master's in special education with concentration, or a master's in special education plus teaching certification. Concentration areas include autism/applied behavior analysis, behavioral disorder/positive behavioral supports, and learning disabilities/inclusion. A student pursing a degree in special education can seek a Texas State certificate in autism, behavioral disorders/positive behavioral supports, or learning disabilities/inclusion. Certificate programs range from 18-21 semester hours, most of which are included in the master's program.

The Texas Education Agency (TEA) requires multiple background checks for progression through the Educator Preparation Program. Based on information recorded in your criminal history, you may be ineligible for issuance of a teaching certificate upon completion of the Educator Preparation Program. If you have a criminal history, you may obtain a Preliminary Criminal History Evaluation from TEA. For more information, go to: https://tea.texas.gov/Texas_Educators/Investigations/Preliminary_Criminal_History_Evaluation-FAQs/.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the

International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- copies of certifications or licensures (if applicable)
- resume/CV (include licenses or certificates and all previous teaching or other education-related experiences)
- statement of purpose, clear and concise, addressing the following: reasons the applicant chose Texas State University's graduate program in special education and the specific area of special education selected; types of professional and/or personal interactions with people who have learning, behavioral, developmental and/or intellectual disabilities; career goals and professional achievement goals in the next 5 years; attributes the applicant has that will empower the student to excel academically if admitted into the program; and experiences in collaborative professional and/or academic settings and how these experiences have prepared the applicant for the demands of this program.
- two letters of recommendation from persons familiar with the applicant's professional work, including at least one supervisor. The letter should include an assessment of the applicant's potential to meet the academic and professional demands of a rigorous graduate program and ability to manage the social and professional demands of graduate school (e.g., getting along with peers and professors, participating in class discussions and activities, attending class, meeting deadlines, responding to feedback).

TOEFL scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores with minimum individual scores of
  - 22 listening
  - 22 reading
  - 24 speaking
  - 21 writing

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Special Education requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
SPED 5311	Teaching Language Arts to Students with Disabilities	3
SPED 5313	Education Students with Emotional/Behavioral Disorders	3
SPED 5327	Educating Students with Autism and Other Developmental Disabilities	3
SPED 5340	Principles and Practices of Effective Instruction	3
SPED 5355	Characteristics of Students with Learning Disabilities	3
SPED 5360	Survey of Exceptionality	3
SPED 5375	Behavior Management: School Application of Applied Behavior Analysis	3
SPED 5380	Positive Behavior Interventions and Supports in Schools	3
SPED 5389	Special Education Practicum	3
Cognate Minor		
Choose 9 hours from the following:		9
CI 5303	Teaching Math in the Elementary School	
or CI 5329	The Elementary School Science Curriculum	
CI 5333	The Secondary Curriculum	
CI 5336	Methods and Materials for Teaching English as a Second Language	
CI 5337	Language Acquisition and Development	
SPED 5314	Advanced Educational Strategies for Students with Autism	
SPED 5329	Language Development and Intervention for Special Populations	
SPED 5354	Advanced Studies in School Discipline, Order, and Safety	
SPED 5356	Advanced Practices in Learning Disabilities/ Inclusion	
SPED 5376	Advanced Intervention Practices for Challenging Behavior	
SPED 5382	Advanced Practices in Educating Students with Emotional/Behavioral Disorders	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Curriculum and Instruction: CI (p. 1548), DE (p. 1552), ECE (p. 1553), EDTC (p. 1553), RDG (p. 1554), SPED (p. 1556)

Courses Offered

Curriculum and Instruction (CI)

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Development Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Early Childhood Education (ECE)

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Reading (RDG)

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

Special Education (SPED)

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Minor in Creativity Studies in Education

The graduate minor in Creativity Studies in Education requires 9 semester credit hours.

Code	Title	Hours
Required Courses		
CI 5310	Creativity: Theories, Research, and Applications	3
CI 5381	Creativity, Interest, and World(s)	3
Electives		
Choose 3 hours from the following:		3
CI 5368	The Politics and Creativity of Being and Becoming	
EDTC 5341	Digital Fabrication and Simple Electronics	
Total Hours		9

Minor in Developmental Education

The graduate minor in Developmental Education requires 9 semester credit hours.

Code	Title	Hours
Required Courses		
Choose 9 hours from the following:		9
DE 5321	The Community College	
DE 5324	Teaching Learning Strategies and Critical Thinking	
DE 5365	Administration of Developmental Education	
DE 5375	Learners in Developmental Education Contexts	
Total Hours		9

Minor in Elementary Education

The graduate minor in Elementary Education requires 12 semester credit hours.

Code	Title	Hours
Required Courses		
CI 5313	Research Seminar in Human Growth and Development	3
CI 5326	Curriculum & Management in the Elementary & Middle School	3
CI 5327	Principles and Practices in the Elementary School	3
Electives		
Choose 1 advisor-approved course from the following:		3
CI 5303	Teaching Math in the Elementary School	
CI 5312	Elementary Language Arts: Current Trends	
CI 5328	Elementary Social Studies: Curriculum Problems	
CI 5329	The Elementary School Science Curriculum	
Total Hours		12

Minor in Elementary Education Bilingual/Bicultural

The graduate minor in Elementary Education Bilingual/Bicultural requires 9 semester credit hours.

Code	Title	Hours
Required Courses		
BILG 5374	Bilingual/ESL Academic Content Instruction	3
CI 5312	Elementary Language Arts: Current Trends	3
CI 5387	Bilingual Education: Principles and Practices	3
Total Hours		9

Minor in Gifted and Talented Education

The graduate minor in Gifted and Talented Education requires 15 semester credit hours. This minor is only available for graduate students seeking an Elementary Education or a Secondary Education major.

Code	Title	Hours
Required Courses		
CI 5308	Introduction to Gifted/Talented Education	3
CI 5310	Creativity: Theories, Research, and Applications	3
or SPED 5360	Survey of Exceptionality	
CI 5311	Practicum in Talent Development	3
CI 5319	Social, Emotional, and Cultural Contexts of Advanced Development	3
CI 5324	Systems for Advanced Academics and Talent Development	3
Total Hours		15

Minor in Methods and Materials

The graduate minor in Methods and Materials requires 6-15 semester credit hours of courses depending on the major that should be chosen in consultation with the graduate advisor. This minor is only available for graduate students who are also seeking a major in Elementary Education, Elementary Education Bilingual/Bicultural, Secondary Education, or Special Education.

Elementary Education majors

Code	Title	Hours
Required Courses		
Choose 6-12 hours of advisor-approved courses		6-12

Elementary Education Bilingual/Bicultural majors

Code	Title	Hours
Required Courses		
ENG 5300	Language Problems in a Multicultural Enviroment	3
or ENG 5310	Studies in English Language and Linguistics	
SOCI 5370	Seminar in Multi-Cultural Relations	3
SPAN 5318	Advanced Composition and Grammar	3
Total Hours		9

Elementary Education Teacher Fellows majors

Code	Title	Hours
Required Course		
CI 5375	Problems in Elementary Education	3
Electives		
Choose 12 hours from the following:		12
CI 5303	Teaching Math in the Elementary School	
CI 5310	Creativity: Theories, Research, and Applications	
CI 5312	Elementary Language Arts: Current Trends	
CI 5328	Elementary Social Studies: Curriculum Problems	
CI 5329	The Elementary School Science Curriculum	
CI 5330	Multicultural Teaching and Learning	
CI 5336	Methods and Materials for Teaching English as a Second Language	
ECE 5319	Curriculum and the Young Child, I (Kindergarten)	
ECE 5330	Curriculum and the Young Child, II (Kindergarten)	
EDCL 5339	Understanding Self: Developing a Personal Vision of Leadership	
EDCL 5340	Shaping Organizations and Using Inquiry: Management and Leadership	
EDTC 5310	Introduction to Educational Technology	
EDTC 5315	Advanced Educational Technology	
ENG 5388	Studies in Literature for Children or Adolescents	
GEO 5340	Active Learning in Geography	
RDG 5322	Teaching Reading in the Elementary and Middle Schools	
RDG 5324	Developing Content Area Literacy in Middle and Secondary Schools	
RDG 5331	Literacy Methods for Linguistically and Culturally Diverse Students	
RDG 5340	Connecting Reading and Writing in the Classroom	
RDG 5380	Independent Study in Reading Research	
SOCI 5370	Seminar in Multi-Cultural Relations	
SPED 5334	Assessment and Evaluation of Students with Disabilities	
Total Hours		15

Secondary Education majors

Code	Title	Hours
Required Courses		
SPED 5313	Education Students with Emotional/Behavioral Disorders	3
SPED 5334	Assessment and Evaluation of Students with Disabilities	3
SPED 5375	Behavior Management: School Application of Applied Behavior Analysis	3
SPED 5380	Positive Behavior Interventions and Supports in Schools	3
Total Hours		12

Special Education majors

Code	Title	Hours
Required Courses		
CI 5303	Teaching Math in the Elementary School	3
or CI 5329	The Elementary School Science Curriculum	
CI 5333	The Secondary Curriculum	3
CI 5336	Methods and Materials for Teaching English as a Second Language	3
CI 5337	Language Acquisition and Development	3
Total Hours		12

Minor in Reading Education

The graduate minor in Reading Education requires 12 semester credit hours.

Code	Title	Hours
Required Courses		
RDG 5322	Teaching Reading in the Elementary and Middle Schools	3
RDG 5326	Developmental Literacy in the Middle and Secondary Schools	3
RDG 5345	Assessment-Driven Literacy Instruction	3
Electives		
Choose 1 course from the following:		3
RDG 5310	Teaching Literacy with Children's and Young Adult Literature	
RDG 5320	Foundations of Literacy Instruction	
RDG 5324	Developing Content Area Literacy in Middle and Secondary Schools	
RDG 5331	Literacy Methods for Linguistically and Culturally Diverse Students	
RDG 5340	Connecting Reading and Writing in the Classroom	
RDG 5370A	New Literacies	
RDG 5370B	Social, Cultural, and Political Contexts of Literacy Instruction	
RDG 5370C	Foundations of Integrated Reading & Writing Pedagogy	
RDG 5370D	Community Literacy	
RDG 5395	Teaching Academic Literacy to Adults	
Total Hours		12

Minor in Secondary Education

The graduate minor in Secondary Education requires 15 semester credit hours.

Code	Title	Hours
Required Courses		
CI 5306	Evaluative Techniques for the Classroom Teacher	3
CI 5333	The Secondary Curriculum	3
CI 5363	Strategies for Improving Secondary Teaching	3
CI 5372	Philosophical Foundations of Education	3
EDTC 5310	Introduction to Educational Technology	3
Total Hours		15

Minor in Special Education

The graduate minor in Special Education requires 15 semester credit hours.

Code	Title	Hours
Required Courses		
SPED 5313	Education Students with Emotional/Behavioral Disorders	3
or SPED 5355	Characteristics of Students with Learning Disabilities	
SPED 5326	Educating Students with Mild Disabilities	3
or SPED 5327	Educating Students with Autism and Other Developmental Disabilities	
SPED 5360	Survey of Exceptionality	3
SPED 5375	Behavior Management: School Application of Applied Behavior Analysis	3
SPED 5380	Positive Behavior Interventions and Supports in Schools	3
or SPED 5354	Advanced Studies in School Discipline, Order, and Safety	
Total Hours		15

Certificate in Autism

Program Overview

The Special Education Program offers a Certificate in Autism. This certificate is only available for graduate students who are also seeking a Master of Education (M.Ed.) Major in Special Education (Autism/Applied Behavior Analysis Concentration) (p. 1510).

This certificate program requires concurrent enrollment in the Master of Education major in Special Education (Autism/Applied Behavior Analysis Concentration) (p. 1510) at Texas State University.

The post-baccalaureate certificate in Autism requires 24 semester credit hours. This certificate is only available for graduate students who are also seeking a Master of Education (M.Ed.) Major in Special Education (Autism/Applied Behavior Analysis Concentration) (p. 1510).

Course Requirements

Code	Title	Hours
SPED 5314	Advanced Educational Strategies for Students with Autism	3

SPED 5327	Educating Students with Autism and Other Developmental Disabilities	3
SPED 5329	Language Development and Intervention for Special Populations	3
SPED 5375	Behavior Management: School Application of Applied Behavior Analysis	3
SPED 5380	Positive Behavior Interventions and Supports in Schools	3
SPED 5386	Advanced Techniques in Applied Behavioral Analysis	3
SPED 5387	Single-Subject Research Methods and Designs	3
SPED 5391	Clinical Practicum in Autism Spectrum Disorders	3
or SPED 5389	Special Education Practicum	
Total Hours		24

Certificate in Behavioral Disorders/ Positive Behavioral Support

Program Overview

The Special Education Program offers a Certificate in Behavioral Disorders/Positive Behavioral Support. This certificate is only available for graduate students who are also seeking a Master of Education (M.Ed.) Major in Special Education (Behavioral Disorders/Positive Behavior Concentration) (p. 1522).

This certificate program requires concurrent enrollment in the Master of Education major in Special Education (Behavioral Disorders/Positive Behavior Supports Concentration) (p. 1522) at Texas State University.

The post-baccalaureate certificate in Behavioral Disorders/Positive Behavioral Supports requires 21 semester credit hours. This certificate is only available for graduate students who are also seeking a Master of Education (M.Ed.) Major in Special Education (Behavioral Disorders/ Positive Behavior Concentration) (p. 1522).

Course Requirements

Code	Title	Hours
SPED 5313	Education Students with Emotional/Behavioral Disorders	3
SPED 5375	Behavior Management: School Application of Applied Behavior Analysis	3
SPED 5380	Positive Behavior Interventions and Supports in Schools	3
SPED 5382	Advanced Practices in Educating Students with Emotional/Behavioral Disorders	3
SPED 5386	Advanced Techniques in Applied Behavioral Analysis	3
SPED 5387	Single-Subject Research Methods and Designs	3
Electives (choose one of the following)		3
SPED 5311	Teaching Language Arts to Students with Disabilities	
SPED 5314	Advanced Educational Strategies for Students with Autism	
SPED 5340	Principles and Practices of Effective Instruction	
Total Hours		21

Certificate in Learning Disabilities/ Inclusion

Program Overview

The Special Education Program offers a Certificate in Learning Disabilities/Inclusion. This certificate is only available for graduate students who are also seeking a Master of Education (M.Ed.) Major in Special Education (Learning Disabilities/Inclusion Concentration) (p. 1534).

This certificate program requires concurrent enrollment in the Master of Education major in Special Education (Learning Disabilities/Inclusion Concentration) (p. 1534) at Texas State University.

The post-baccalaureate certificate in Learning Disabilities/Inclusion requires 18 semester credit hours. This certificate is only available for graduate students who are also seeking a Master of Education (M.Ed.) Major in Special Education (Learning Disabilities/Inclusion Concentration) (p. 1534).

Course Requirements

Code	Title	Hours
SPED 5311	Teaching Language Arts to Students with Disabilities	3
SPED 5313	Education Students with Emotional/Behavioral Disorders	3
SPED 5355	Characteristics of Students with Learning Disabilities	3
SPED 5356	Advanced Practices in Learning Disabilities/ Inclusion	3
SPED 5375	Behavior Management: School Application of Applied Behavior Analysis	3
SPED 5380	Positive Behavior Interventions and Supports in Schools	3
Total Hours		18

Department of Health and Human Performance

Jowers Center Room A116
Telephone: 512-245-2561 Fax: 512-245-8678
http://www.hhp.txstate.edu/

The Department of Health and Human Performance at Texas State offers several master's programs to prepare students for careers and doctoral study in many areas including athletic training, exercise science, health and wellness promotion, kinesiology, recreation administration, recreation therapy, rehabilitation sciences, and strength & conditioning and sport coaching. Our faculty are nationally and internationally known for their research on autism, biomechanics, concussions, exercise physiology, fitness, health promotion, health and wellness programming, motor development, musculoskeletal injury, physical education, recreation administration and therapy, sport and exercise psychology, substance abuse prevention, and community health. Recent visiting scholars to the department have come from Brazil, Egypt, England, Korea, Russia, and Spain.

The mission of the Department of Health and Human Performance is to create and disseminate knowledge promoting evidence-based practice in athletic training, exercise science, public health, and recreation professions. We work to directly promote improved human performance and quality of life through evidence-based educational, recreational, and therapeutic interventions and programs. Our vision is to be a national leader in promoting human performance and health-related quality of life for all.

Financial Assistance

Because the department offers instructional programming for the general university student, in addition to undergraduate athletic training, exercise science, public health, and recreation major programs, there are extensive opportunities for graduate assistanships, graduate teaching assistantships, graduate research assistantships, and graduate instructional assistantships. To be considered for positions as graduate assistants, the prospective graduate students must be admitted as a regular, degree-seeking student in graduate studies at Texas State University. Applicants who are interested in these positions should go to http://www.hhp.txstate.edu.

Master of Science (M.S.)

- Major in Athletic Training (Professional Master's) (p. 1562)
- Major in Athletic Training (Non-thesis Option) (p. 1566)
- Major in Athletic Training (Thesis Option) (p. 1570)
- Major in Exercise Science (Non-thesis Option) (p. 1582)
- Major in Exercise Science (Health and Rehabilitation Sciences Concentration Non-thesis Option) (p. 1574)
- Major in Exercise Science (Health and Rehabilitation Sciences Concentration Thesis Option) (p. 1578)
- Major in Exercise Science (Physical Activity Literacy Concentration) (p. 1586)
- Major in Exercise Science (Strength & Conditioning and Sport Coaching Concentration Non-thesis Option) (p. 1590)
- Major in Exercise Science (Strength & Conditioning and Sport Coaching Concentration Thesis Option) (p. 1593)
- Major in Exercise Science (Thesis Option) (p. 1598)
- Major in Public Health Education and Promotion (Non-thesis Minor Option) (p. 1603)
- Major in Public Health Education and Promotion (Non-thesis Option) (p. 1606)
- Major in Public Health Education and Promotion (Thesis Minor Option) (p. 1608)
- Major in Public Health Education and Promotion (Thesis Option) (p. 1612)

Master of Science in Recreation and Leisure Services (M.S.R.L.S.)

- Major in Recreation Management (Non-thesis Option) (p. 1616)
- Major in Recreation Management (Thesis Option) (p. 1619)
- Major in Therapeutic Recreation (Non-thesis Option) (p. 1623)
- Major in Therapeutic Recreation (Thesis Option) (p. 1627)

Minors

- Exercise Science (p. 1630)
- Public Health Education and Promotion (p. 1630)
- Recreation and Leisure Services (p. 1631)

Master of Science (M.S.) Major in Athletic Training (Professional Master's)

Program Overview

The Master of Science (M.S.) degree with a Major in Athletic Training is designed as an professional master's curriculum for students seeking to become board-certified. To enter the professional master's, students are expected to have completed a bachelor's degree. The program begins in June each year.

Professional athletic training education uses a competency-based approach in both the classroom and clinical settings. Using a medical-based education model, athletic training students are educated to provide comprehensive patient care in five domains of clinical practice: prevention; clinical evaluation and diagnosis; immediate and emergency care; treatment and rehabilitation; and organization and professional health and well-being. The educational requirements for CAATE-accredited athletic training education programs include acquisition of knowledge, skills and clinical abilities along with a broad scope of foundational behaviors of professional practice. Students complete an extensive clinical learning requirement that is embodied in the clinical integration proficiencies (professional, practice oriented outcomes) as identified in the Athletic Training Education standards.

Athletic trainers treat a range of patients and can work in a variety of settings. Regardless of their practice setting, athletic trainers practice according to their education, scope of practice and state practice act. Athletic Trainers work in:

- Public and private secondary schools, colleges and universities, professional and Olympic sports
- Youth leagues, municipal and independently owned youth sports facilities
- Physician practice, similar to nurses, physician assistants, physical therapists and other professional clinical personnel
- Rural and urban hospitals, hospital emergency rooms, urgent and ambulatory care centers
- Clinics with specialties in sports medicine, cardiac rehab, medical fitness, wellness and physical therapy
- Occupational health departments in commercial settings, which include manufacturing, distribution and offices to assist with ergonomics
- Police and fire departments and academies, municipal departments, branches of the military
- Performing arts including professional and collegiate level dance and music

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current

academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from an accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in all background courses. As required background coursework, there is a set of 10 pre-requisites that will prepare the student for the rigors of the program. Each of these courses are necessary for a basic understanding of the fundamentals of the various courses that the student will be taking in the professional master's curriculum. The following is the list of pre-requisites that students should have completed in their undergraduate degree:

Code	Title	Hours
Physics		
Chemistry		
Introduction to Nutrition		
Introduction to Psychology		
Introduction to Statistics		
Exercise Physiology		
Biomechanics		
Medical Terminology		
Anatomy& Physiology w/lab		
Care & Prevention (or equivalent)		

- GRE not required
- Confirmation of 75 observation hours signed by a certified (ATC) and/or licensed (LAT) professional who has guided the observational experiences
- resume
- statement of purpose (maximum two pages) that discusses the student's reasons for pursuing professional master's degree in athletic training at Texas State University.
- three forms of recommendation

The program does not offer admission if the above requirements are not met.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The program does not offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Athletic Training (Professional Master's) requires 55 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
AT 5191	Capstone I	1
AT 5192	Capstone II	1
AT 5230	Clinical Experience I	2
AT 5231	Clinical Experience II	2
AT 5232	Clinical Experience III	2
AT 5320	General Medical Conditions Assessment and Care	3
AT 5333	Internship in Athletic Training	3
AT 5334	Clinical Experience IV	3
AT 5335	Clinical Experience V	3
AT 5340	Research Methods and Evidence Based Practice in Athletic Training	3
AT 5341	Pathopharmacology	3
AT 5342	Administration and Leadership in Athletic Training	3
AT 5343	Interdisciplinary Approach to Athletic Training	3
AT 5344	Advanced Clinical Decision Making	3
AT 5400	Gross Applied Anatomy	4
AT 5401	Musculoskeletal Assessment of Upper and Lower Extremities	4
AT 5402	Musculoskeletal Assessment of Head/Face/Spine and Neurological Systems	4
AT 5413	Therapeutic Interventions I	4
AT 5414	Therapeutic Interventions II	4
Total Hours		55

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Courses Offered

Athletic Training (AT)

AT 5101. Graduate Assistant Development.
This course is required of all graduate assistants and provides regular in-service and planned periodic evaluations of instructional responsibilities. Graduate assistants are required to register for this course in the spring semester of their employment. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AT 5191. Capstone I.
This course is a supervised project to analyze outcomes in a defined area of clinical practice. The course includes patient outcomes data collection in a practice-based research environment. Completion of full research sequence is required for graduation.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5192. Capstone II.
This course is a continuation of the research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. The course includes completion of data collection and analysis for an oral presentation and final paper and poster. Completion of this last course is required Prerequisite: AT 5191.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5201. Graduate Assistant Development.
This course is required of all graduate assistants and provides in-service and planned periodic evaluations of instructional responsibilities. Graduate assistants are required to register for this course in the fall semester of their employment. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AT 5230. Clinical Experience I.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5320.
2 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5231. Clinical Experience II.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230.
2 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5232. Clinical Experience III.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230; AT 5231.
2 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5302. Special Topics in Athletic Training.
This course is designed to educate students in the scientific process and develop an in-depth understanding of the research process in Athletic Training.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5303. Seminar in Athletic Training.
Current trends in athletic and physical education concerning the care and prevention of injuries with special emphasis on therapeutic and rehabilitation techniques. Taping and bandaging will be practiced in a laboratory situation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5307. Bioenergetics of Exercise and Rehabilitation.
This course is designed to provide both a theoretical and clinical basis for the use of therapeutic exercise in physiological basis of muscular, respiratory, cardiovascular, and nervous systems in the rehabilitation of all athletic injuries. Must be admitted to the MS in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5308. Therapeutic Exercise and Rehabilitation.
This course is designed to provide both a theoretical and clinical basis for the use of therapeutic exercise in the rehabilitation setting, as well as to impart knowledge pertaining to the physiological effects, indications, contraindications and applications of therapeutic exercise in the rehabilitation of all athletic injuries. Must be admitted to the M.S. in Athletic Training Program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5310. Proprioception and Neuromuscular Control in Rehabilitation.
This course provides for an advanced study of the concepts, theories, and current research related to proprioception, postural stability, and neuromuscular control as applied to the prevention, diagnosis, and clinical management of sport-related musculoskeletal injuries and concussions. Must be admitted to the M.S. in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5311. Biomechanics of Musculoskeletal Injury.
This course focuses on the application of biomechanical principles to the pathoetiology, diagnosis, and physiological capacity for healing of injuries to bone, ligament, tendon, cartilage, and other human tissues, with an emphasis on current injury research. Must be admitted to the M.S. in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5312. Evidence-Based Practice in Sports Medicine.
This course is designed to provide students with advanced study in the elements of evidence-based practice in sports medicine with focus on the role of accessing, retrieving, and critically appraising evidence to answer clinical questions in patient care. Must be admitted to the M.S. in Athletic Training Program or instructor approval required. Prerequisite: ESS 5346 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5318. Therapeutic Evaluation and Intervention.
This course explores the scientific bases of therapeutic musculoskeletal exercise and neuromuscular evaluative techniques in the rehabilitation process. Must be admitted to the M.S. in Athletic Training Program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5320. General Medical Conditions Assessment and Care.
This course will enable the student to recognize, evaluate, differentiate and manage common systemic and traumatic conditions and diseases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5333. Internship in Athletic Training.
This 400-hour internship provides students with professionally related experience. Students may work with diverse clinical populations in varying athletic training settings. Internship is approved and supervised by Program Coordinator or assigned faculty. Prerequisite: Departmental approval.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5334. Clinical Experience IV.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230; AT 5231; AT 5232; AT 5333.
3 Credit Hours. 0 Lecture Contact Hours. 30 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5335. Clinical Experience V.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230; AT 5231; AT 5232; AT 5333; AT 5334.
3 Credit Hours. 0 Lecture Contact Hours. 30 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5340. Research Methods and Evidence Based Practice in Athletic Training.
This course is designed to provide the student with an understanding of the statistical terminology when reading and appraising research studies in order to use evidence to inform clinical practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5341. Pathopharmacology.
This course will examine the physiological responses and progression of injuries, illnesses, and diseases to the physically active individual. Additionally, this course will provide instruction in the principles and issues of the physiological and psychological response to the pharmacological use and/or abuse of substances. Prerequisite: AT 5320.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5342. Administration and Leadership in Athletic Training.
This course will evaluate administrative aspects of an athletic training program management such as: risk management, medical record keeping, facilities, third-party reimbursement, health informatics and other current professional issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5343. Interdisciplinary Approach to Athletic Training.
This course will examine the practice and educational implications of effective and efficient interprofessional teamwork and collaboration in patient care.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5344. Advanced Clinical Decision Making.
This course provides students various settings to explore aspects of patient evaluation, intervention and outcomes in a simulated learning environment. Students will identify issues in patient care including physical and psychosocial characteristics. Students will apply clinical decision-making skills learned in all courses leading up this final semester class.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5347. Independent Study in Athletic Training.
This course may be taken by a student who desires to work on a research problem or investigation in Athletic Training. The student gathers and analyzes pertinent data and submits a report of the results of the research. Repeatable once for credit. Prerequisite: ESS 5346 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in AT 5399B. Graded on a credit (CR), progress (PR), no credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5400. Gross Applied Anatomy.
This course will examine the structure and function of the human body with emphasis on the skeletal and muscular systems. The course focuses on anatomy and physiology of systems of special interest to students preparing to become athletic trainers. Laboratory study of the human cadaver is included.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5401. Musculoskeletal Assessment of Upper and Lower Extremities.
This course will examine the injury and illness signs and symptoms as well as specific tests and skills used in the clinical evaluation and assessment involving the upper and lower extremities. Prerequisite: AT 5400.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5402. Musculoskeletal Assessment of Head/Face/Spine and Neurological Systems.
This course will enable the student to critically analyze the specific tests and skills used in the clinical evaluation and assessment involving the head, spine and neurological systems. Prerequisite: AT 5400; AT 5401.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5413. Therapeutic Interventions I.
This course is designed to provide both a theoretical and clinical basis for the standardized systems approach to therapeutic modality applications to treat patients with musculoskeletal conditions and injury. Prerequisite: AT 5400.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5414. Therapeutic Interventions II.
This course is designed to examine both a theoretical and clinical basis for the standardized systems approach to therapeutic exercise applications to treat patients with musculoskeletal conditions and injury. Prerequisite: AT 5400; AT 5413.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.), Major in Athletic Training (Non-thesis Option)

Degree Program

The Master of Science (M.S.) degree with a major in Athletic Training is designed as an advanced post-professional athletic training curriculum for the board-certified athletic trainer. The graduate student in athletic training may choose from either the thesis or the non-thesis option.

As background prerequisites, an athletic training major is expected to have graduated from an academic institution that is accredited by the Commission on Accreditation of Athletic Training Education (CAATE) or presently be certified through the Board of Certification, Inc.

This program discontinued admissions as of the Spring 2020 term and beyond.

Degree Requirements

The Master of Science (M.S.) degree with a major in Athletic Training requires 37 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
AT 5308	Therapeutic Exercise & Rehabilitation	3
AT 5310	Proprioception and Neuromuscular Control in Rehabilitation	3
AT 5311	Biomechanics of Musculoskeletal Injury	3

AT 5312	Evidence-Based Practice in Sports Medicine	3
AT 5318	Therapeutic Evaluation and Intervention	3
AT 5347	Independent Study in Athletic Training	3
ESS 5346	Research Methods in Health and Human Performance	3
ESS 5356	Applied Statistics in Health and Human Performance	3
PT 5400	Human Structure and Function	4
Prescribed Elective		
Choose 3 hours from the following:		3
AT 5307	Bioenergetics of Exercise & Rehabilitation	
ESS 5306	Advanced Exercise Physiology	
ESS 5307	Advanced Resistance Training and Conditioning	
ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
Electives		
Choose 6 hours from the following:		6
ESS 5304	Motor Learning and Performance	
ESS 5305	Advanced Fitness Assessment and Exercise Prescription	
ESS 5309	Biomechanics for Exercise & Sports Science	
ESS 5310	Cardiopulmonary Exercise Physiology	
ESS 5329	Motor Learning	
NUTR 5364	The Science of Nutrition and Exercise	
Total Hours		37

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Health and Human Performance: AT

Courses Offered

Athletic Training (AT)

AT 5101. Graduate Assistant Development.
This course is required of all graduate assistants and provides regular in-service and planned periodic evaluations of instructional responsibilities. Graduate assistants are required to register for this course in the spring semester of their employment. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AT 5191. Capstone I.
This course is a supervised project to analyze outcomes in a defined area of clinical practice. The course includes patient outcomes data collection in a practice-based research environment. Completion of full research sequence is required for graduation.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5192. Capstone II.
This course is a continuation of the research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. The course includes completion of data collection and analysis for an oral presentation and final paper and poster. Completion of this last course is required Prerequisite: AT 5191.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5201. Graduate Assistant Development.
This course is required of all graduate assistants and provides in-service and planned periodic evaluations of instructional responsibilities. Graduate assistants are required to register for this course in the fall semester of their employment. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AT 5230. Clinical Experience I.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5320.
2 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5231. Clinical Experience II.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230.
2 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5232. Clinical Experience III.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230; AT 5231.
2 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5302. Special Topics in Athletic Training.
This course is designed to educate students in the scientific process and develop an in-depth understanding of the research process in Athletic Training.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5303. Seminar in Athletic Training.
Current trends in athletic and physical education concerning the care and prevention of injuries with special emphasis on therapeutic and rehabilitation techniques. Taping and bandaging will be practiced in a laboratory situation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5307. Bioenergetics of Exercise and Rehabilitation.
This course is designed to provide both a theoretical and clinical basis for the use of therapeutic exercise in physiological basis of muscular, respiratory, cardiovascular, and nervous systems in the rehabilitation of all athletic injuries. Must be admitted to the MS in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5308. Therapeutic Exercise and Rehabilitation.
This course is designed to provide both a theoretical and clinical basis for the use of therapeutic exercise in the rehabilitation setting, as well as to impart knowledge pertaining to the physiological effects, indications, contraindications and applications of therapeutic exercise in the rehabilitation of all athletic injuries. Must be admitted to the M.S. in Athletic Training Program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5310. Proprioception and Neuromuscular Control in Rehabilitation.
This course provides for an advanced study of the concepts, theories, and current research related to proprioception, postural stability, and neuromuscular control as applied to the prevention, diagnosis, and clinical management of sport-related musculoskeletal injuries and concussions. Must be admitted to the M.S. in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5311. Biomechanics of Musculoskeletal Injury.
This course focuses on the application of biomechanical principles to the pathoetiology, diagnosis, and physiological capacity for healing of injuries to bone, ligament, tendon, cartilage, and other human tissues, with an emphasis on current injury research. Must be admitted to the M.S. in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5312. Evidence-Based Practice in Sports Medicine.
This course is designed to provide students with advanced study in the elements of evidence-based practice in sports medicine with focus on the role of accessing, retrieving, and critically appraising evidence to answer clinical questions in patient care. Must be admitted to the M.S. in Athletic Training Program or instructor approval required. Prerequisite: ESS 5346 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5318. Therapeutic Evaluation and Intervention.
This course explores the scientific bases of therapeutic musculoskeletal exercise and neuromuscular evaluative techniques in the rehabilitation process. Must be admitted to the M.S. in Athletic Training Program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5320. General Medical Conditions Assessment and Care.
This course will enable the student to recognize, evaluate, differentiate and manage common systemic and traumatic conditions and diseases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5333. Internship in Athletic Training.
This 400-hour internship provides students with professionally related experience. Students may work with diverse clinical populations in varying athletic training settings. Internship is approved and supervised by Program Coordinator or assigned faculty. Prerequisite: Departmental approval.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5334. Clinical Experience IV.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230; AT 5231; AT 5232; AT 5333.
3 Credit Hours. 0 Lecture Contact Hours. 30 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5335. Clinical Experience V.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230; AT 5231; AT 5232; AT 5333; AT 5334.
3 Credit Hours. 0 Lecture Contact Hours. 30 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5340. Research Methods and Evidence Based Practice in Athletic Training.
This course is designed to provide the student with an understanding of the statistical terminology when reading and appraising research studies in order to use evidence to inform clinical practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5341. Pathopharmacology.
This course will examine the physiological responses and progression of injuries, illnesses, and diseases to the physically active individual. Additionally, this course will provide instruction in the principles and issues of the physiological and psychological response to the pharmacological use and/or abuse of substances. Prerequisite: AT 5320.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5342. Administration and Leadership in Athletic Training.
This course will evaluate administrative aspects of an athletic training program management such as: risk management, medical record keeping, facilities, third-party reimbursement, health informatics and other current professional issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5343. Interdisciplinary Approach to Athletic Training.
This course will examine the practice and educational implications of effective and efficient interprofessional teamwork and collaboration in patient care.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5344. Advanced Clinical Decision Making.
This course provides students various settings to explore aspects of patient evaluation, intervention and outcomes in a simulated learning environment. Students will identify issues in patient care including physical and psychosocial characteristics. Students will apply clinical decision-making skills learned in all courses leading up this final semester class.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5347. Independent Study in Athletic Training.
This course may be taken by a student who desires to work on a research problem or investigation in Athletic Training. The student gathers and analyzes pertinent data and submits a report of the results of the research. Repeatable once for credit. Prerequisite: ESS 5346 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in AT 5399B. Graded on a credit (CR), progress (PR), no credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5400. Gross Applied Anatomy.
This course will examine the structure and function of the human body with emphasis on the skeletal and muscular systems. The course focuses on anatomy and physiology of systems of special interest to students preparing to become athletic trainers. Laboratory study of the human cadaver is included.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5401. Musculoskeletal Assessment of Upper and Lower Extremities.
This course will examine the injury and illness signs and symptoms as well as specific tests and skills used in the clinical evaluation and assessment involving the upper and lower extremities. Prerequisite: AT 5400.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5402. Musculoskeletal Assessment of Head/Face/Spine and Neurological Systems.
This course will enable the student to critically analyze the specific tests and skills used in the clinical evaluation and assessment involving the head, spine and neurological systems. Prerequisite: AT 5400; AT 5401.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5413. Therapeutic Interventions I.
This course is designed to provide both a theoretical and clinical basis for the standardized systems approach to therapeutic modality applications to treat patients with musculoskeletal conditions and injury. Prerequisite: AT 5400.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5414. Therapeutic Interventions II.
This course is designed to examine both a theoretical and clinical basis for the standardized systems approach to therapeutic exercise applications to treat patients with musculoskeletal conditions and injury. Prerequisite: AT 5400; AT 5413.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Athletic Training (Thesis Option)

Degree Program

The Master of Science (M.S.) degree with a major in Athletic Training is designed as an advanced post-professional athletic training curriculum for the board-certified athletic trainer. The graduate student in athletic training may choose from either the thesis or the non-thesis option.

As background prerequisites, an athletic training major is expected to have graduated from an academic institution that is accredited by the Commission on Accreditation of Athletic Training Education (CAATE) or presently be certified through the Board of Certification, Inc.

This program discontinued admissions for the Spring 2020 term and beyond.

Degree Requirements

The Master of Science (M.S.) degree with a major in Athletic Training requires 34 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
AT 5308	Therapeutic Exercise & Rehabilitation	3
AT 5310	Proprioception and Neuromuscular Control in Rehabilitation	3
AT 5311	Biomechanics of Musculoskeletal Injury	3
AT 5312	Evidence-Based Practice in Sports Medicine	3
AT 5318	Therapeutic Evaluation and Intervention	3
ESS 5346	Research Methods in Health and Human Performance	3
ESS 5356	Applied Statistics in Health and Human Performance	3
PT 5400	Human Structure and Function	4
Elective		
Choose 3 hours from the following:		3
AT 5307	Bioenergetics of Exercise & Rehabilitation	
ESS 5306	Advanced Exercise Physiology	
ESS 5307	Advanced Resistance Training and Conditioning	
ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
Thesis		
AT 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
AT 5199B	Thesis	
AT 5299B	Thesis	
AT 5399B	Thesis	
AT 5599B	Thesis	
AT 5999B	Thesis	
Total Hours		34

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process.

Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Health and Human Performance: AT

Courses Offered

Athletic Training (AT)

AT 5101. Graduate Assistant Development.
This course is required of all graduate assistants and provides regular in-service and planned periodic evaluations of instructional responsibilities. Graduate assistants are required to register for this course in the spring semester of their employment. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AT 5191. Capstone I.
This course is a supervised project to analyze outcomes in a defined area of clinical practice. The course includes patient outcomes data collection in a practice-based research environment. Completion of full research sequence is required for graduation.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5192. Capstone II.
This course is a continuation of the research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. The course includes completion of data collection and analysis for an oral presentation and final paper and poster. Completion of this last course is required Prerequisite: AT 5191.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5201. Graduate Assistant Development.
This course is required of all graduate assistants and provides in-service and planned periodic evaluations of instructional responsibilities. Graduate assistants are required to register for this course in the fall semester of their employment. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AT 5230. Clinical Experience I.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5320.
2 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5231. Clinical Experience II.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230.
2 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5232. Clinical Experience III.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230; AT 5231.
2 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5302. Special Topics in Athletic Training.
This course is designed to educate students in the scientific process and develop an in-depth understanding of the research process in Athletic Training.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5303. Seminar in Athletic Training.
Current trends in athletic and physical education concerning the care and prevention of injuries with special emphasis on therapeutic and rehabilitation techniques. Taping and bandaging will be practiced in a laboratory situation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5307. Bioenergetics of Exercise and Rehabilitation.
This course is designed to provide both a theoretical and clinical basis for the use of therapeutic exercise in physiological basis of muscular, respiratory, cardiovascular, and nervous systems in the rehabilitation of all athletic injuries. Must be admitted to the MS in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5308. Therapeutic Exercise and Rehabilitation.
This course is designed to provide both a theoretical and clinical basis for the use of therapeutic exercise in the rehabilitation setting, as well as to impart knowledge pertaining to the physiological effects, indications, contraindications and applications of therapeutic exercise in the rehabilitation of all athletic injuries. Must be admitted to the M.S. in Athletic Training Program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5310. Proprioception and Neuromuscular Control in Rehabilitation.
This course provides for an advanced study of the concepts, theories, and current research related to proprioception, postural stability, and neuromuscular control as applied to the prevention, diagnosis, and clinical management of sport-related musculoskeletal injuries and concussions. Must be admitted to the M.S. in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5311. Biomechanics of Musculoskeletal Injury.
This course focuses on the application of biomechanical principles to the pathoetiology, diagnosis, and physiological capacity for healing of injuries to bone, ligament, tendon, cartilage, and other human tissues, with an emphasis on current injury research. Must be admitted to the M.S. in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5312. Evidence-Based Practice in Sports Medicine.
This course is designed to provide students with advanced study in the elements of evidence-based practice in sports medicine with focus on the role of accessing, retrieving, and critically appraising evidence to answer clinical questions in patient care. Must be admitted to the M.S. in Athletic Training Program or instructor approval required. Prerequisite: ESS 5346 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5318. Therapeutic Evaluation and Intervention.
This course explores the scientific bases of therapeutic musculoskeletal exercise and neuromuscular evaluative techniques in the rehabilitation process. Must be admitted to the M.S. in Athletic Training Program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5320. General Medical Conditions Assessment and Care.
This course will enable the student to recognize, evaluate, differentiate and manage common systemic and traumatic conditions and diseases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5333. Internship in Athletic Training.
This 400-hour internship provides students with professionally related experience. Students may work with diverse clinical populations in varying athletic training settings. Internship is approved and supervised by Program Coordinator or assigned faculty. Prerequisite: Departmental approval.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5334. Clinical Experience IV.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230; AT 5231; AT 5232; AT 5333.
3 Credit Hours. 0 Lecture Contact Hours. 30 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5335. Clinical Experience V.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230; AT 5231; AT 5232; AT 5333; AT 5334.
3 Credit Hours. 0 Lecture Contact Hours. 30 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5340. Research Methods and Evidence Based Practice in Athletic Training.
This course is designed to provide the student with an understanding of the statistical terminology when reading and appraising research studies in order to use evidence to inform clinical practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5341. Pathopharmacology.
This course will examine the physiological responses and progression of injuries, illnesses, and diseases to the physically active individual. Additionally, this course will provide instruction in the principles and issues of the physiological and psychological response to the pharmacological use and/or abuse of substances. Prerequisite: AT 5320.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5342. Administration and Leadership in Athletic Training.
This course will evaluate administrative aspects of an athletic training program management such as: risk management, medical record keeping, facilities, third-party reimbursement, health informatics and other current professional issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5343. Interdisciplinary Approach to Athletic Training.
This course will examine the practice and educational implications of effective and efficient interprofessional teamwork and collaboration in patient care.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5344. Advanced Clinical Decision Making.
This course provides students various settings to explore aspects of patient evaluation, intervention and outcomes in a simulated learning environment. Students will identify issues in patient care including physical and psychosocial characteristics. Students will apply clinical decision-making skills learned in all courses leading up this final semester class.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5347. Independent Study in Athletic Training.
This course may be taken by a student who desires to work on a research problem or investigation in Athletic Training. The student gathers and analyzes pertinent data and submits a report of the results of the research. Repeatable once for credit. Prerequisite: ESS 5346 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in AT 5399B. Graded on a credit (CR), progress (PR), no credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5400. Gross Applied Anatomy.
This course will examine the structure and function of the human body with emphasis on the skeletal and muscular systems. The course focuses on anatomy and physiology of systems of special interest to students preparing to become athletic trainers. Laboratory study of the human cadaver is included.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5401. Musculoskeletal Assessment of Upper and Lower Extremities.
This course will examine the injury and illness signs and symptoms as well as specific tests and skills used in the clinical evaluation and assessment involving the upper and lower extremities. Prerequisite: AT 5400.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5402. Musculoskeletal Assessment of Head/Face/Spine and Neurological Systems.
This course will enable the student to critically analyze the specific tests and skills used in the clinical evaluation and assessment involving the head, spine and neurological systems. Prerequisite: AT 5400; AT 5401.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5413. Therapeutic Interventions I.
This course is designed to provide both a theoretical and clinical basis for the standardized systems approach to therapeutic modality applications to treat patients with musculoskeletal conditions and injury. Prerequisite: AT 5400.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5414. Therapeutic Interventions II.
This course is designed to examine both a theoretical and clinical basis for the standardized systems approach to therapeutic exercise applications to treat patients with musculoskeletal conditions and injury. Prerequisite: AT 5400; AT 5413.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Exercise Science (Health and Rehabilitation Sciences Concentration Non-thesis Option)

Major Program

The Master of Science (M.S.) in Exercise Science with a Concentration in Health and Rehabilitation Sciences is a multi-disciplinary program designed to prepare graduates for multiple health-promotion careers. The program focuses on understand and integrating diverse health and rehabilitation research to inform evidence-based practice. This degree supports current allied health professionals and assists recent bachelor's degree graduates with advanced skills to seek admission to competitive health and rehabilitation professional schools.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- resume/CV
- statement of purpose (approximately 500 words, typed and double-spaced) addressing the following:
  - professional goals
  - reasons for pursuing education and training in physical education
  - summary of major strengths and weaknesses with respect to being admitted into the program
- three letters of recommendation (including at least two academic references) regarding professional competence and character

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the last-60-hours GPA is 3.0 or below, the student must submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning section.

(Effective Spring 2020, if the last-60-hours GPA is below 3.0, the GRE is not required.)

Degree Requirements

The Master of Science (M.S.) degree with a major in Exercise Science concentration in Health and Rehabilitation Sciences requires 36 semester credit hours, including an independent study.

As background prerequisites, an Exercise Science major is expected to have a minimum of 9 semester hours of exercise science course work on the bachelor's degree. Students who do not have these hours may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
ESS 5304	Motor Learning and Performance	3
ESS 5309	Biomechanics for Exercise & Sports Science	3
ESS 5346	Research Methods in Health and Human Performance	3
ESS 5347	Independent Study in Exercise Science (Taken twice at the end of a student's degree plan as a culminating experience)	6
ESS 5356	Applied Statistics in Health and Human Performance	3
Choose one of the following:		3
ESS 5306	Advanced Exercise Physiology	
ESS 5310	Cardiopulmonary Exercise Physiology	
ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
Concentration Courses		
AT 5310	Proprioception and Neuromuscular Control in Rehabilitation	3
AT 5311	Biomechanics of Musculoskeletal Injury	3
PH 5321	Advanced Health Behavior Theory	3
Prescribed Electives		
Choose two of the following:		6
ESS 5110	Research Seminar (May be repeative twice)	
ESS 5305	Advanced Fitness Assessment and Exercise Prescription	
ESS 5306	Advanced Exercise Physiology	
ESS 5307	Advanced Resistance Training and Conditioning	
ESS 5308	Physical Activity, Disease Prevention and Treatment	
ESS 5310	Cardiopulmonary Exercise Physiology	
ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
ESS 5322	Inclusion and Diversity in Physical Activity and Sport	
ESS 5344	Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings	
ESS 5398	Internship in Exercise and Sports Science	
ESS 5698	Internship in Exercise and Sports Science	
NUTR 5364	The Science of Nutrition and Exercise	
PH 5320	Foundations of Public Health	
PH 5330A	Health Disparities	
PSY 5335	Foundations of Health Psychology	
PT 5400	Human Structure and Function	
REC 5325	Philosophical Foundations of Therapeutic Recreation	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Health and Human Performance: ESS

Courses Offered

Exercise Science Specialization (ESS)

ESS 5101. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5110. Research Seminar.
The focus of this course engages students in research and professional development in Exercise and Sports Science. This seminar will allow students to gain exposure to a variety of scholarly activities in an interdisciplinary setting.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ESS 5117. Laboratory in Exercise Physiology.
Students in this leveling laboratory course perform experiments that highlight the physiological responses to exercise. The course introduces students to basis techniques in the assessment of health and human performance, including the assessment of maximal oxygen consumption, body composition, anaerobic power and capacity, muscular fitness, movement economy, and dietary intake. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Co-requisite: ESS 5317.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5201. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5304. Motor Learning and Performance.
This course is designed to provide students the foundation for understanding the principles involved in enhancing motor skill acquisition, and physiological, neurological, and psychological factors affecting motor learning and performance. Inquiry is made into the various motor learning theories and concepts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5305. Advanced Fitness Assessment and Exercise Prescription.
This course provides an intensive study of current scientifically based exercise testing and prescription procedures. Students will learn how to evaluate fitness and prescribe exercise through laboratory experiences.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ESS 5306. Advanced Exercise Physiology.
This advanced course will provide students with a thorough understanding of the acute responses to exercise and the physiological adaptations that occur in response to exercise training. Additional topics to be covered include environmental influences, aging, and sex differences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5307. Advanced Resistance Training and Conditioning.
This course will include the development, instruction, and evaluation of resistance training exercises and programs for diverse populations and settings. Physiological and mechanical principles related to resistance training will be applied to study human performance, injury prevention, and rehabilitation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5308. Physical Activity, Disease Prevention and Treatment.
This course will provide students with opportunities to examine the role of physical inactivity in the development of chronic diseases and the benefits of activity in prevention efforts. A special emphasis will be placed on activity assessment and intervention research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5309. Biomechanics for Exercise & Sports Science.
Review of current research and research techniques in the biomechanics of exercise and sport science. Students will developskills in reviewing, planning, and conducting biomechanical research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5310. Cardiopulmonary Exercise Physiology.
The course will provide studetns with a thorough understanding of the structure, function, neural mechanisms, and integrated responses of the human cardiopulmonary system to acute and chronic exercise. In addition, basic cardiopulmonary pathology, pharmacology, and electrocardiography will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5311. Applied Neuromuscular and Skeletal Muscle Physiology.
The course will provide students with a thorough understanding of the structure and function of neuromuscular and skeletal muscle physiology. This course will examine mechanisms that regulate skeletal muscle force production and human performance in response to acute and chronic exercise. In addition, advanced laboratory techniques will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5317. Exercise Physiology.
This leveling course provides an overview of the acute and chronic physiological responses to exercise. Emphasis is on muscle bioenergetics, muscle contractile properties, optimizing human performance through training and supplementation, as well as cardiopulmonary and endocrine responses to exercise. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Corequisite: ESS 5117.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

ESS 5320. Biomechanics.
This leveling course provides an introduction to the mechanical foundations of anatomical function and human movement. Qualitative and quantitative biomechanical analyses of human movement are introducted to inform the prescription of technique, equipment, and training interventions. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5322. Inclusion and Diversity in Physical Activity and Sport.
This course is designed to prepare physical activity and sport educators with knowledge, skills, and strategies to create inclusive learning environments. Culturally responsive teaching strategies that best accommodate the individual needs of children, adolescents, and adults, with diverse ethnic, racial, cultural, socio-economic, physical, and cognitive needs will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5329. Motor Learning.
This leveling course provides students with an understanding of the physiological, neurological, and psychological factors affecting performance and acquisition of motor skills. Students will examine the structural components underlying the learning of motor skills and draw upon examples from sport, physical activities, and rehabilitation. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5344. Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings.
This course is designed to enhance instructional skills for professionals working in educational, sport, clinical, and community settings. Students incorporate evidence-based instructional practices and assess teaching using systematic, reliable, and valid measures. Students will be able to apply course concepts to implement effective instruction in diverse venues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5346. Research Methods in Health and Human Performance.
A study of research methods related to techniques for searching the professional research literature, understanding, planning, and conducting professional research projects, as well as development of skills for writing research proposals related to human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5347. Independent Study in Exercise Science.
The course allows students to receive individualized instruction while working on a professional project with a supervising faculty member. This course will require students to enhance their writing, research, teaching, and/or presentation skills. Repeatable once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5353. Curriculum Design, Implementation and Evaluation in Diverse Physical Activity Settings.
This course is designed to explore evidence-based curricula across Exercise and Sport Science settings including, but not limited to clinical, strength and conditioning, community physical activity, and sports. Students will gain knowledge and understanding about the curriculum design process and program evaluation using current theory to practice models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5354. Developmental Sports Education: Youth Participants.
This course is designed to provide sport educators with theory, research, and application strategies to implement developmentally appropriate sports programs for youth participants. Social, psychological, pedagogical, philosophical, and physical variables impacting youth in sport are examined. Emphasis is placed on promoting positive youth development by applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5355. Developmental Sports Education: High-Level Athletes and Coaching Effectiveness.
This course is designed to provide sport educators with theory, research, and practical strategies to implement developmentally appropriate sports programs for high-level athletes. Psychological, social, and physical aspects related to athletes' success and well-being are examined. Research on coaching effectiveness is also explored with emphasis on applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5356. Applied Statistics in Health and Human Performance.
A study of quantitative statistical methods for planning and conducting experimental and correlational research, as well as techniques for statistical data analysis and interpretation applicable to health and human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5398. Internship in Exercise and Sports Science.
This 240-hour internship provides students with work-related experience with children, adults, older individuals, or athletes in exercise settings. Students are provided an opportunity to prescribe and supervise age- and fitness-appropriate exercise programs and perform exercise tests. Prerequisite: ESS 5306 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis course credit is awarded until the student has completed the entire thesis required in ESS 5399B. Prerequisites: ESS 5346 and ESS 5356 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5624. Principles and Practices for Teaching Physical Education.
This is a leveling class for graduate students pursuing teaching certification in physical education. Particular emphasis is placed on methods of teaching physical education. This course does not earn graduate degree credit. Departmental Approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5698. Internship in Exercise and Sports Science.
This full-time internship provides students with a minimum of 480 hours of field experience. Students will work with children, adults, older individuals, or athletes in exercise or health care settings, and prescribe and supervise age and fitness appropriate exercise programs and perform comprehensive health-related assessments.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Exercise Science (Health and Rehabilitation Sciences Concentration Thesis Option)

Major Program

The Master of Science (M.S.) in Exercise Science with a Concentration in Health and Rehabilitation Sciences is a multi-disciplinary program designed to prepare graduates for multiple health-promotion careers. The program focuses on understanding and integrating diverse health and rehabilitation research to inform evidence-based practice. This degree supports current allied health professionals and assists recent bachelor's degree graduates with advanced skills to seek admission to competitive health and rehabilitation professional schools.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- resume/CV
- statement of purpose (approximately 500 words, typed and double-spaced) addressing the following:
  - professional goals
  - reasons for pursuing education and training in physical education
  - summary of major strengths and weaknesses with respect to being admitted into the program
- three letters of recommendation (including at least two academic references) regarding professional competence and character

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the last-60-hours GPA is 3.0 or below, the student must submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative section.

(Effective Spring 2020, if the last-60-hours GPA is below 3.0, the GRE is not required.)

Degree Requirements

The Master of Science (M.S.) degree with a major in Exercise Science concentration in Health and Rehabilitation Sciences requires 36 semester credit hours, including a thesis.

As background prerequisites, an Exercise Science major is expected to have a minimum of 9 semester hours of exercise science course work on the bachelor's degree. Students who do not have these hours may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
ESS 5304	Motor Learning and Performance	3
ESS 5309	Biomechanics for Exercise & Sports Science	3
ESS 5346	Research Methods in Health and Human Performance	3
ESS 5356	Applied Statistics in Health and Human Performance	3
Choose one of the following:		3
ESS 5306	Advanced Exercise Physiology	
ESS 5310	Cardiopulmonary Exercise Physiology	
ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
Concentration Courses		
AT 5310	Proprioception and Neuromuscular Control in Rehabilitation	3
AT 5311	Biomechanics of Musculoskeletal Injury	3
PH 5321	Advanced Health Behavior Theory	3
Prescribed Electives		
Choose two of the following:		6
ESS 5110	Research Seminar (May be repeated twice)	
ESS 5305	Advanced Fitness Assessment and Exercise Prescription	
ESS 5307	Advanced Resistance Training and Conditioning	
ESS 5308	Physical Activity, Disease Prevention and Treatment	
ESS 5310	Cardiopulmonary Exercise Physiology	

ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
ESS 5322	Inclusion and Diversity in Physical Activity and Sport	
ESS 5344	Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings	
ESS 5347	Independent Study in Exercise Science	
ESS 5398	Internship in Exercise and Sports Science	
or ESS 5698	Internship in Exercise and Sports Science	
NUTR 5364	The Science of Nutrition and Exercise	
PH 5320	Foundations of Public Health	
PH 5330A	Health Disparities	
PSY 5335	Foundations of Health Psychology	
PT 5400	Human Structure and Function	
REC 5325	Philosophical Foundations of Therapeutic Recreation	
Thesis		
ESS 5399A	Thesis	3
Choose a minimum of three hours from the following:		3
ESS 5199B	Thesis	
ESS 5299B	Thesis	
ESS 5399B	Thesis	
ESS 5599B	Thesis	
ESS 5999B	Thesis	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Health and Human Performance: ESS

Courses Offered

Exercise Science Specialization (ESS)

ESS 5101. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5110. Research Seminar.
The focus of this course engages students in research and professional development in Exercise and Sports Science. This seminar will allow students to gain exposure to a variety of scholarly activities in an interdisciplinary setting.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ESS 5117. Laboratory in Exercise Physiology.
Students in this leveling laboratory course perform experiments that highlight the physiological responses to exercise. The course introduces students to basis techniques in the assessment of health and human performance, including the assessment of maximal oxygen consumption, body composition, anaerobic power and capacity, muscular fitness, movement economy, and dietary intake. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Co-requisite: ESS 5317.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5201. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5304. Motor Learning and Performance.
This course is designed to provide students the foundation for understanding the principles involved in enhancing motor skill acquisition, and physiological, neurological, and psychological factors affecting motor learning and performance. Inquiry is made into the various motor learning theories and concepts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5305. Advanced Fitness Assessment and Exercise Prescription.
This course provides an intensive study of current scientifically based exercise testing and prescription procedures. Students will learn how to evaluate fitness and prescribe exercise through laboratory experiences.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ESS 5306. Advanced Exercise Physiology.
This advanced course will provide students with a thorough understanding of the acute responses to exercise and the physiological adaptations that occur in response to exercise training. Additional topics to be covered include environmental influences, aging, and sex differences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5307. Advanced Resistance Training and Conditioning.
This course will include the development, instruction, and evaluation of resistance training exercises and programs for diverse populations and settings. Physiological and mechanical principles related to resistance training will be applied to study human performance, injury prevention, and rehabilitation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5308. Physical Activity, Disease Prevention and Treatment.
This course will provide students with opportunities to examine the role of physical inactivity in the development of chronic diseases and the benefits of activity in prevention efforts. A special emphasis will be placed on activity assessment and intervention research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5309. Biomechanics for Exercise & Sports Science.
Review of current research and research techniques in the biomechanics of exercise and sport science. Students will developskills in reviewing, planning, and conducting biomechanical research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5310. Cardiopulmonary Exercise Physiology.
The course will provide studetns with a thorough understanding of the structure, function, neural mechanisms, and integrated responses of the human cardiopulmonary system to acute and chronic exercise. In addition, basic cardiopulmonary pathology, pharmacology, and electrocardiography will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5311. Applied Neuromuscular and Skeletal Muscle Physiology.
The course will provide students with a thorough understanding of the structure and function of neuromuscular and skeletal muscle physiology. This course will examine mechanisms that regulate skeletal muscle force production and human performance in response to acute and chronic exercise. In addition, advanced laboratory techniques will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5317. Exercise Physiology.
This leveling course provides an overview of the acute and chronic physiological responses to exercise. Emphasis is on muscle bioenergetics, muscle contractile properties, optimizing human performance through training and supplementation, as well as cardiopulmonary and endocrine responses to exercise. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Corequisite: ESS 5117.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

ESS 5320. Biomechanics.
This leveling course provides an introduction to the mechanical foundations of anatomical function and human movement. Qualitative and quantitative biomechanical analyses of human movement are introducted to inform the prescription of technique, equipment, and training interventions. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5322. Inclusion and Diversity in Physical Activity and Sport.
This course is designed to prepare physical activity and sport educators with knowledge, skills, and strategies to create inclusive learning environments. Culturally responsive teaching strategies that best accommodate the individual needs of children, adolescents, and adults, with diverse ethnic, racial, cultural, socio-economic, physical, and cognitive needs will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5329. Motor Learning.
This leveling course provides students with an understanding of the physiological, neurological, and psychological factors affecting performance and acquisition of motor skills. Students will examine the structural components underlying the learning of motor skills and draw upon examples from sport, physical activities, and rehabilitation. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5344. Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings.
This course is designed to enhance instructional skills for professionals working in educational, sport, clinical, and community settings. Students incorporate evidence-based instructional practices and assess teaching using systematic, reliable, and valid measures. Students will be able to apply course concepts to implement effective instruction in diverse venues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5346. Research Methods in Health and Human Performance.
A study of research methods related to techniques for searching the professional research literature, understanding, planning, and conducting professional research projects, as well as development of skills for writing research proposals related to human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5347. Independent Study in Exercise Science.
The course allows students to receive individualized instruction while working on a professional project with a supervising faculty member. This course will require students to enhance their writing, research, teaching, and/or presentation skills. Repeatable once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5353. Curriculum Design, Implementation and Evaluation in Diverse Physical Activity Settings.
This course is designed to explore evidence-based curricula across Exercise and Sport Science settings including, but not limited to clinical, strength and conditioning, community physical activity, and sports. Students will gain knowledge and understanding about the curriculum design process and program evaluation using current theory to practice models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5354. Developmental Sports Education: Youth Participants.
This course is designed to provide sport educators with theory, research, and application strategies to implement developmentally appropriate sports programs for youth participants. Social, psychological, pedagogical, philosophical, and physical variables impacting youth in sport are examined. Emphasis is placed on promoting positive youth development by applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5355. Developmental Sports Education: High-Level Athletes and Coaching Effectiveness.
This course is designed to provide sport educators with theory, research, and practical strategies to implement developmentally appropriate sports programs for high-level athletes. Psychological, social, and physical aspects related to athletes' success and well-being are examined. Research on coaching effectiveness is also explored with emphasis on applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5356. Applied Statistics in Health and Human Performance.
A study of quantitative statistical methods for planning and conducting experimental and correlational research, as well as techniques for statistical data analysis and interpretation applicable to health and human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5398. Internship in Exercise and Sports Science.
This 240-hour internship provides students with work-related experience with children, adults, older individuals, or athletes in exercise settings. Students are provided an opportunity to prescribe and supervise age- and fitness-appropriate exercise programs and perform exercise tests. Prerequisite: ESS 5306 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis course credit is awarded until the student has completed the entire thesis required in ESS 5399B. Prerequisites: ESS 5346 and ESS 5356 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5624. Principles and Practices for Teaching Physical Education.
This is a leveling class for graduate students pursuing teaching certification in physical education. Particular emphasis is placed on methods of teaching physical education. This course does not earn graduate degree credit. Departmental Approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5698. Internship in Exercise and Sports Science.
This full-time internship provides students with a minimum of 480 hours of field experience. Students will work with children, adults, older individuals, or athletes in exercise or health care settings, and prescribe and supervise age and fitness appropriate exercise programs and perform comprehensive health-related assessments.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.), Major in Exercise Science (Non-thesis Option)

Major Program

Students seeking a Master of Science (M.S.) degree with a major in Exercise Science will appreciate the value and importance of research-based literature and have the critical thinking, research, and technical skills to:

1. understand research-based literature;
2. use innovative approaches to problem solving;
3. successfully pursue a doctoral degree in exercise science or related discipline;
4. work in athletic, clinical (e.g., cardiopulmonary rehabilitation and diagnostic testing), educational, and fitness settings; and
5. sit for advanced professional certifications (e.g., the American College of Sports Medicine Certified Clinical Exercise Specialist, Certified Health Fitness Specialist, Certified Strength and Conditioning Specialist, or Registered Clinical Exercise Physiologist).

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- resume/CV
- statement of purpose (approximately 500 words, typed and double-spaced) addressing the following:
  - professional goals
  - reasons for pursuing education and training in physical education
  - summary of major strengths and weaknesses with respect to being admitted into the program
- three letters of recommendation (including at least two academic references) regarding professional competence and character

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the last-60-hours GPA is 3.0 or below, the student must submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning section.

(Effective Spring 2020, if the last-60-hours GPA is below 3.0, the GRE is not required.)

Degree Requirements

The Master of Science (M.S.) degree with a major in Exercise Science requires 36 semester credit hours.

As background prerequisites, an exercise science major is expected to have a minimum of 9 semester hours of exercise science course work on the bachelor's degree. Students who do not have these hours may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
ESS 5304	Motor Learning and Performance	3
ESS 5309	Biomechanics for Exercise & Sports Science	3
ESS 5346	Research Methods in Health and Human Performance	3
ESS 5356	Applied Statistics in Health and Human Performance	3
Choose 3 hours from the following:		3
ESS 5306	Advanced Exercise Physiology	
ESS 5310	Cardiopulmonary Exercise Physiology	
ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
Prescribed Electives		15
Choose 15 hours from the following:		
ESS 5110	Research Seminar (May be repeated twice)	
ESS 5305	Advanced Fitness Assessment and Exercise Prescription	
ESS 5306	Advanced Exercise Physiology	
ESS 5307	Advanced Resistance Training and Conditioning	
ESS 5308	Physical Activity, Disease Prevention and Treatment	
ESS 5310	Cardiopulmonary Exercise Physiology	
ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
ESS 5322	Inclusion and Diversity in Physical Activity and Sport	
ESS 5344	Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings	
ESS 5347	Independent Study in Exercise Science	
ESS 5353	Curriculum Design, Implementation and Evaluation in Diverse Physical Activity Settings	
ESS 5354	Developmental Sports Education: Youth Participants	
ESS 5355	Developmental Sports Education: High-Level Athletes and Coaching Effectiveness	
ESS 5398	Internship in Exercise and Sports Science	
or ESS 5698	Internship in Exercise and Sports Science	
Prescribed Electives		
Choose 6 hours from the following:		6
AT 5310	Proprioception and Neuromuscular Control in Rehabilitation	
AT 5311	Biomechanics of Musculoskeletal Injury	
BIO 5441	Cellular Physiology	
NUTR 5302G	Pediatric Obesity	
NUTR 5364	The Science of Nutrition and Exercise	
NUTR 5366	Nutrient Metabolism I	
PH 5321	Advanced Health Behavior Theory	
PHIL 5322	Professional Ethics	
PHIL 5326	Philosophy and Sport	

PHIL 5327	Medical Ethics and Bio-ethics	
PSY 5335	Foundations of Health Psychology	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Health and Human Performance: ESS

Courses Offered

Exercise Science Specialization (ESS)

ESS 5101. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5110. Research Seminar.
The focus of this course engages students in research and professional development in Exercise and Sports Science. This seminar will allow students to gain exposure to a variety of scholarly activities in an interdisciplinary setting.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ESS 5117. Laboratory in Exercise Physiology.
Students in this leveling laboratory course perform experiments that highlight the physiological responses to exercise. The course introduces students to basis techniques in the assessment of health and human performance, including the assessment of maximal oxygen consumption, body composition, anaerobic power and capacity, muscular fitness, movement economy, and dietary intake. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Co-requisite: ESS 5317.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5201. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5304. Motor Learning and Performance.
This course is designed to provide students the foundation for understanding the principles involved in enhancing motor skill acquisition, and physiological, neurological, and psychological factors affecting motor learning and performance. Inquiry is made into the various motor learning theories and concepts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5305. Advanced Fitness Assessment and Exercise Prescription.
This course provides an intensive study of current scientifically based exercise testing and prescription procedures. Students will learn how to evaluate fitness and prescribe exercise through laboratory experiences.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ESS 5306. Advanced Exercise Physiology.
This advanced course will provide students with a thorough understanding of the acute responses to exercise and the physiological adaptations that occur in response to exercise training. Additional topics to be covered include environmental influences, aging, and sex differences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5307. Advanced Resistance Training and Conditioning.
This course will include the development, instruction, and evaluation of resistance training exercises and programs for diverse populations and settings. Physiological and mechanical principles related to resistance training will be applied to study human performance, injury prevention, and rehabilitation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5308. Physical Activity, Disease Prevention and Treatment.
This course will provide students with opportunities to examine the role of physical inactivity in the development of chronic diseases and the benefits of activity in prevention efforts. A special emphasis will be placed on activity assessment and intervention research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5309. Biomechanics for Exercise & Sports Science.
Review of current research and research techniques in the biomechanics of exercise and sport science. Students will developskills in reviewing, planning, and conducting biomechanical research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5310. Cardiopulmonary Exercise Physiology.
The course will provide studetns with a thorough understanding of the structure, function, neural mechanisms, and integrated responses of the human cardiopulmonary system to acute and chronic exercise. In addition, basic cardiopulmonary pathology, pharmacology, and electrocardiography will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5311. Applied Neuromuscular and Skeletal Muscle Physiology.
The course will provide students with a thorough understanding of the structure and function of neuromuscular and skeletal muscle physiology. This course will examine mechanisms that regulate skeletal muscle force production and human performance in response to acute and chronic exercise. In addition, advanced laboratory techniques will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5317. Exercise Physiology.
This leveling course provides an overview of the acute and chronic physiological responses to exercise. Emphasis is on muscle bioenergetics, muscle contractile properties, optimizing human performance through training and supplementation, as well as cardiopulmonary and endocrine responses to exercise. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Corequisite: ESS 5117.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

ESS 5320. Biomechanics.
This leveling course provides an introduction to the mechanical foundations of anatomical function and human movement. Qualitative and quantitative biomechanical analyses of human movement are introducted to inform the prescription of technique, equipment, and training interventions. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5322. Inclusion and Diversity in Physical Activity and Sport.
This course is designed to prepare physical activity and sport educators with knowledge, skills, and strategies to create inclusive learning environments. Culturally responsive teaching strategies that best accommodate the individual needs of children, adolescents, and adults, with diverse ethnic, racial, cultural, socio-economic, physical, and cognitive needs will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5329. Motor Learning.
This leveling course provides students with an understanding of the physiological, neurological, and psychological factors affecting performance and acquisition of motor skills. Students will examine the structural components underlying the learning of motor skills and draw upon examples from sport, physical activities, and rehabilitation. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5344. Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings.
This course is designed to enhance instructional skills for professionals working in educational, sport, clinical, and community settings. Students incorporate evidence-based instructional practices and assess teaching using systematic, reliable, and valid measures. Students will be able to apply course concepts to implement effective instruction in diverse venues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5346. Research Methods in Health and Human Performance.
A study of research methods related to techniques for searching the professional research literature, understanding, planning, and conducting professional research projects, as well as development of skills for writing research proposals related to human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5347. Independent Study in Exercise Science.
The course allows students to receive individualized instruction while working on a professional project with a supervising faculty member. This course will require students to enhance their writing, research, teaching, and/or presentation skills. Repeatable once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5353. Curriculum Design, Implementation and Evaluation in Diverse Physical Activity Settings.
This course is designed to explore evidence-based curricula across Exercise and Sport Science settings including, but not limited to clinical, strength and conditioning, community physical activity, and sports. Students will gain knowledge and understanding about the curriculum design process and program evaluation using current theory to practice models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5354. Developmental Sports Education: Youth Participants.
This course is designed to provide sport educators with theory, research, and application strategies to implement developmentally appropriate sports programs for youth participants. Social, psychological, pedagogical, philosophical, and physical variables impacting youth in sport are examined. Emphasis is placed on promoting positive youth development by applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5355. Developmental Sports Education: High-Level Athletes and Coaching Effectiveness.
This course is designed to provide sport educators with theory, research, and practical strategies to implement developmentally appropriate sports programs for high-level athletes. Psychological, social, and physical aspects related to athletes' success and well-being are examined. Research on coaching effectiveness is also explored with emphasis on applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5356. Applied Statistics in Health and Human Performance.
A study of quantitative statistical methods for planning and conducting experimental and correlational research, as well as techniques for statistical data analysis and interpretation applicable to health and human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5398. Internship in Exercise and Sports Science.
This 240-hour internship provides students with work-related experience with children, adults, older individuals, or athletes in exercise settings. Students are provided an opportunity to prescribe and supervise age- and fitness-appropriate exercise programs and perform exercise tests. Prerequisite: ESS 5306 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis course credit is awarded until the student has completed the entire thesis required in ESS 5399B. Prerequisites: ESS 5346 and ESS 5356 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5624. Principles and Practices for Teaching Physical Education.
This is a leveling class for graduate students pursuing teaching certification in physical education. Particular emphasis is placed on methods of teaching physical education. This course does not earn graduate degree credit. Departmental Approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5698. Internship in Exercise and Sports Science.
This full-time internship provides students with a minimum of 480 hours of field experience. Students will work with children, adults, older individuals, or athletes in exercise or health care settings, and prescribe and supervise age and fitness appropriate exercise programs and perform comprehensive health-related assessments.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Exercise Science (Physical Activity Literacy Concentration)

The Master of Science (M.S.) major in Exercise Science with a concentration in Physical Activity Literacy is designed for those graduate students who seek to pursue careers instructing and/or promoting physical activity in community and sport settings.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- resume/CV
- statement of purpose (approximately 500 words, typed and double-spaced) addressing the following:
  - professional goals
  - reasons for pursuing education and training in physical education
  - summary of major strengths and weaknesses with respect to being admitted into the program
- three letters of recommendation (including at least two academic references) regarding professional competence and character

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the last-60-hours GPA is 3.0 or below, the student must submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning section.

(Effective Spring 2020, if the last-60-hours GPA is below 3.0, the GRE is not required.)

Degree Requirements

The Master of Science (M.S.) degree with a major in Exercise Science concentration in Physical Activity Literacy requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
ESS 5304	Motor Learning and Performance	3
ESS 5309	Biomechanics for Exercise & Sports Science	3
ESS 5346	Research Methods in Health and Human Performance	3
ESS 5356	Applied Statistics in Health and Human Performance	3
Choose one of the following:		3
ESS 5306	Advanced Exercise Physiology	
ESS 5310	Cardiopulmonary Exercise Physiology	
ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
Concentration Courses		
ESS 5344	Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings	3
ESS 5353	Curriculum Design, Implementation and Evaluation in Diverse Physical Activity Settings	3
Teacher Certification Courses		
CI 5314	Human Growth and Development II	3
CI 5333	The Secondary Curriculum	3
CI 5363	Strategies for Improving Secondary Teaching	3
CI 5370	Classroom Management, Discipline, and Legal Issues	3
RDG 5324	Developing Content Area Literacy in Middle and Secondary Schools	3
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Health and Human Performance: ESS

Courses Offered

Exercise Science Specialization (ESS)

ESS 5101. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5110. Research Seminar.
The focus of this course engages students in research and professional development in Exercise and Sports Science. This seminar will allow students to gain exposure to a variety of scholarly activities in an interdisciplinary setting.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ESS 5117. Laboratory in Exercise Physiology.
Students in this leveling laboratory course perform experiments that highlight the physiological responses to exercise. The course introduces students to basis techniques in the assessment of health and human performance, including the assessment of maximal oxygen consumption, body composition, anaerobic power and capacity, muscular fitness, movement economy, and dietary intake. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Co-requisite: ESS 5317.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5201. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5304. Motor Learning and Performance.
This course is designed to provide students the foundation for understanding the principles involved in enhancing motor skill acquisition, and physiological, neurological, and psychological factors affecting motor learning and performance. Inquiry is made into the various motor learning theories and concepts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5305. Advanced Fitness Assessment and Exercise Prescription.
This course provides an intensive study of current scientifically based exercise testing and prescription procedures. Students will learn how to evaluate fitness and prescribe exercise through laboratory experiences.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ESS 5306. Advanced Exercise Physiology.
This advanced course will provide students with a thorough understanding of the acute responses to exercise and the physiological adaptations that occur in response to exercise training. Additional topics to be covered include environmental influences, aging, and sex differences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5307. Advanced Resistance Training and Conditioning.
This course will include the development, instruction, and evaluation of resistance training exercises and programs for diverse populations and settings. Physiological and mechanical principles related to resistance training will be applied to study human performance, injury prevention, and rehabilitation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5308. Physical Activity, Disease Prevention and Treatment.
This course will provide students with opportunities to examine the role of physical inactivity in the development of chronic diseases and the benefits of activity in prevention efforts. A special emphasis will be placed on activity assessment and intervention research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5309. Biomechanics for Exercise & Sports Science.
Review of current research and research techniques in the biomechanics of exercise and sport science. Students will developskills in reviewing, planning, and conducting biomechanical research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5310. Cardiopulmonary Exercise Physiology.
The course will provide studetns with a thorough understanding of the structure, function, neural mechanisms, and integrated responses of the human cardiopulmonary system to acute and chronic exercise. In addition, basic cardiopulmonary pathology, pharmacology, and electrocardiography will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5311. Applied Neuromuscular and Skeletal Muscle Physiology.
The course will provide students with a thorough understanding of the structure and function of neuromuscular and skeletal muscle physiology. This course will examine mechanisms that regulate skeletal muscle force production and human performance in response to acute and chronic exercise. In addition, advanced laboratory techniques will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5317. Exercise Physiology.
This leveling course provides an overview of the acute and chronic physiological responses to exercise. Emphasis is on muscle bioenergetics, muscle contractile properties, optimizing human performance through training and supplementation, as well as cardiopulmonary and endocrine responses to exercise. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Corequisite: ESS 5117.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

ESS 5320. Biomechanics.
This leveling course provides an introduction to the mechanical foundations of anatomical function and human movement. Qualitative and quantitative biomechanical analyses of human movement are introducted to inform the prescription of technique, equipment, and training interventions. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5322. Inclusion and Diversity in Physical Activity and Sport.
This course is designed to prepare physical activity and sport educators with knowledge, skills, and strategies to create inclusive learning environments. Culturally responsive teaching strategies that best accommodate the individual needs of children, adolescents, and adults, with diverse ethnic, racial, cultural, socio-economic, physical, and cognitive needs will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5329. Motor Learning.
This leveling course provides students with an understanding of the physiological, neurological, and psychological factors affecting performance and acquisition of motor skills. Students will examine the structural components underlying the learning of motor skills and draw upon examples from sport, physical activities, and rehabilitation. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5344. Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings.
This course is designed to enhance instructional skills for professionals working in educational, sport, clinical, and community settings. Students incorporate evidence-based instructional practices and assess teaching using systematic, reliable, and valid measures. Students will be able to apply course concepts to implement effective instruction in diverse venues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5346. Research Methods in Health and Human Performance.
A study of research methods related to techniques for searching the professional research literature, understanding, planning, and conducting professional research projects, as well as development of skills for writing research proposals related to human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5347. Independent Study in Exercise Science.
The course allows students to receive individualized instruction while working on a professional project with a supervising faculty member. This course will require students to enhance their writing, research, teaching, and/or presentation skills. Repeatable once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5353. Curriculum Design, Implementation and Evaluation in Diverse Physical Activity Settings.
This course is designed to explore evidence-based curricula across Exercise and Sport Science settings including, but not limited to clinical, strength and conditioning, community physical activity, and sports. Students will gain knowledge and understanding about the curriculum design process and program evaluation using current theory to practice models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5354. Developmental Sports Education: Youth Participants.
This course is designed to provide sport educators with theory, research, and application strategies to implement developmentally appropriate sports programs for youth participants. Social, psychological, pedagogical, philosophical, and physical variables impacting youth in sport are examined. Emphasis is placed on promoting positive youth development by applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5355. Developmental Sports Education: High-Level Athletes and Coaching Effectiveness.
This course is designed to provide sport educators with theory, research, and practical strategies to implement developmentally appropriate sports programs for high-level athletes. Psychological, social, and physical aspects related to athletes' success and well-being are examined. Research on coaching effectiveness is also explored with emphasis on applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5356. Applied Statistics in Health and Human Performance.
A study of quantitative statistical methods for planning and conducting experimental and correlational research, as well as techniques for statistical data analysis and interpretation applicable to health and human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5398. Internship in Exercise and Sports Science.
This 240-hour internship provides students with work-related experience with children, adults, older individuals, or athletes in exercise settings. Students are provided an opportunity to prescribe and supervise age- and fitness-appropriate exercise programs and perform exercise tests. Prerequisite: ESS 5306 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis course credit is awarded until the student has completed the entire thesis required in ESS 5399B. Prerequisites: ESS 5346 and ESS 5356 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5624. Principles and Practices for Teaching Physical Education.
This is a leveling class for graduate students pursuing teaching certification in physical education. Particular emphasis is placed on methods of teaching physical education. This course does not earn graduate degree credit. Departmental Approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5698. Internship in Exercise and Sports Science.
This full-time internship provides students with a minimum of 480 hours of field experience. Students will work with children, adults, older individuals, or athletes in exercise or health care settings, and prescribe and supervise age and fitness appropriate exercise programs and perform comprehensive health-related assessments.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Exercise Science (Strength & Conditioning and Sport Coaching Concentration Non-thesis Option)

The Master of Science (M.S.) in Exercise Science with a Concentration in Strength & Conditioning and Sport Coaching will meet the needs of graduate students pursuing careers in diverse sport and athletic settings. Graduate students will gain an understanding of the scientific principles of physical training, as well as the psychological and social factors that impact participation in sports from early adolescence to adulthood. Graduates will also be prepared to seek advanced professional certifications (e.g., NSCA Certified Strength and Conditioning Specialist, ASEP American Sports Education Program) and/or pursue a doctoral degree in various sport studies.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- resume/CV
- statement of purpose (approximately 500 words, typed and double-spaced) addressing the following:
  - professional goals
  - reasons for pursuing education and training in physical education
  - summary of major strengths and weaknesses with respect to being admitted into the program
- three letters of recommendation (including at least two academic references) regarding professional competence and character

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the last-60-hours GPA is 3.0 or below, the student must submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning section.

(Effective Spring 2020, if the last-60-hours GPA is below 3.0, the GRE is not required.)

Degree Requirements

The Master of Science (M.S.) degree with a major in Exercise Science concentration in Strength & Conditioning and Sport Coaching Non-thesis Option requires 36 semester credit hours.

As background prerequisites, an Exercise Science major is expected to have a minimum of 9 semester hours of exercise science course work on the bachelor's degree. Students who do not have these hours may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
ESS 5304	Motor Learning and Performance	3
ESS 5309	Biomechanics for Exercise & Sports Science	3
ESS 5346	Research Methods in Health and Human Performance	3
ESS 5356	Applied Statistics in Health and Human Performance	3
Choose one of the following:		3
ESS 5306	Advanced Exercise Physiology	
ESS 5310	Cardiopulmonary Exercise Physiology	
ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
Concentration Courses		
ESS 5307	Advanced Resistance Training and Conditioning	3
ESS 5344	Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings	3
ESS 5354	Developmental Sports Education: Youth Participants	3

ESS 5355	Developmental Sports Education: High-Level Athletes and Coaching Effectiveness	3
Prescribed Electives		
Choose 9 hours from the following:		9
CI 5314	Human Growth and Development II	
ESS 5110	Research Seminar (May be repeated twice)	
ESS 5305	Advanced Fitness Assessment and Exercise Prescription	
ESS 5306	Advanced Exercise Physiology	
ESS 5308	Physical Activity, Disease Prevention and Treatment	
ESS 5310	Cardiopulmonary Exercise Physiology	
ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
ESS 5322	Inclusion and Diversity in Physical Activity and Sport	
ESS 5347	Independent Study in Exercise Science	
ESS 5353	Curriculum Design, Implementation and Evaluation in Diverse Physical Activity Settings	
ESS 5398	Internship in Exercise and Sports Science	
or ESS 5698	Internship in Exercise and Sports Science	
PHIL 5322	Professional Ethics	
PHIL 5326	Philosophy and Sport	
REC 5330	Organizational Leadership in Recreation and Leisure Services	
REC 5380	Administering Leisure Delivery Systems	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Health and Human Performance: ESS

Courses Offered

Exercise Science Specialization (ESS)

ESS 5101. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5110. Research Seminar.
The focus of this course engages students in research and professional development in Exercise and Sports Science. This seminar will allow students to gain exposure to a variety of scholarly activities in an interdisciplinary setting.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ESS 5117. Laboratory in Exercise Physiology.
Students in this leveling laboratory course perform experiments that highlight the physiological responses to exercise. The course introduces students to basis techniques in the assessment of health and human performance, including the assessment of maximal oxygen consumption, body composition, anaerobic power and capacity, muscular fitness, movement economy, and dietary intake. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Co-requisite: ESS 5317.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5201. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5304. Motor Learning and Performance.
This course is designed to provide students the foundation for understanding the principles involved in enhancing motor skill acquisition, and physiological, neurological, and psychological factors affecting motor learning and performance. Inquiry is made into the various motor learning theories and concepts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5305. Advanced Fitness Assessment and Exercise Prescription.
This course provides an intensive study of current scientifically based exercise testing and prescription procedures. Students will learn how to evaluate fitness and prescribe exercise through laboratory experiences.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ESS 5306. Advanced Exercise Physiology.
This advanced course will provide students with a thorough understanding of the acute responses to exercise and the physiological adaptations that occur in response to exercise training. Additional topics to be covered include environmental influences, aging, and sex differences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5307. Advanced Resistance Training and Conditioning.
This course will include the development, instruction, and evaluation of resistance training exercises and programs for diverse populations and settings. Physiological and mechanical principles related to resistance training will be applied to study human performance, injury prevention, and rehabilitation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5308. Physical Activity, Disease Prevention and Treatment.
This course will provide students with opportunities to examine the role of physical inactivity in the development of chronic diseases and the benefits of activity in prevention efforts. A special emphasis will be placed on activity assessment and intervention research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5309. Biomechanics for Exercise & Sports Science.
Review of current research and research techniques in the biomechanics of exercise and sport science. Students will developskills in reviewing, planning, and conducting biomechanical research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5310. Cardiopulmonary Exercise Physiology.
The course will provide studetns with a thorough understanding of the structure, function, neural mechanisms, and integrated responses of the human cardiopulmonary system to acute and chronic exercise. In addition, basic cardiopulmonary pathology, pharmacology, and electrocardiography will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5311. Applied Neuromuscular and Skeletal Muscle Physiology.
The course will provide students with a thorough understanding of the structure and function of neuromuscular and skeletal muscle physiology. This course will examine mechanisms that regulate skeletal muscle force production and human performance in response to acute and chronic exercise. In addition, advanced laboratory techniques will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5317. Exercise Physiology.
This leveling course provides an overview of the acute and chronic physiological responses to exercise. Emphasis is on muscle bioenergetics, muscle contractile properties, optimizing human performance through training and supplementation, as well as cardiopulmonary and endocrine responses to exercise. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Corequisite: ESS 5117.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

ESS 5320. Biomechanics.
This leveling course provides an introduction to the mechanical foundations of anatomical function and human movement. Qualitative and quantitative biomechanical analyses of human movement are introducted to inform the prescription of technique, equipment, and training interventions. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5322. Inclusion and Diversity in Physical Activity and Sport.
This course is designed to prepare physical activity and sport educators with knowledge, skills, and strategies to create inclusive learning environments. Culturally responsive teaching strategies that best accommodate the individual needs of children, adolescents, and adults, with diverse ethnic, racial, cultural, socio-economic, physical, and cognitive needs will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5329. Motor Learning.
This leveling course provides students with an understanding of the physiological, neurological, and psychological factors affecting performance and acquisition of motor skills. Students will examine the structural components underlying the learning of motor skills and draw upon examples from sport, physical activities, and rehabilitation. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5344. Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings.
This course is designed to enhance instructional skills for professionals working in educational, sport, clinical, and community settings. Students incorporate evidence-based instructional practices and assess teaching using systematic, reliable, and valid measures. Students will be able to apply course concepts to implement effective instruction in diverse venues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5346. Research Methods in Health and Human Performance.
A study of research methods related to techniques for searching the professional research literature, understanding, planning, and conducting professional research projects, as well as development of skills for writing research proposals related to human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5347. Independent Study in Exercise Science.
The course allows students to receive individualized instruction while working on a professional project with a supervising faculty member. This course will require students to enhance their writing, research, teaching, and/or presentation skills. Repeatable once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5353. Curriculum Design, Implementation and Evaluation in Diverse Physical Activity Settings.
This course is designed to explore evidence-based curricula across Exercise and Sport Science settings including, but not limited to clinical, strength and conditioning, community physical activity, and sports. Students will gain knowledge and understanding about the curriculum design process and program evaluation using current theory to practice models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5354. Developmental Sports Education: Youth Participants.
This course is designed to provide sport educators with theory, research, and application strategies to implement developmentally appropriate sports programs for youth participants. Social, psychological, pedagogical, philosophical, and physical variables impacting youth in sport are examined. Emphasis is placed on promoting positive youth development by applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5355. Developmental Sports Education: High-Level Athletes and Coaching Effectiveness.
This course is designed to provide sport educators with theory, research, and practical strategies to implement developmentally appropriate sports programs for high-level athletes. Psychological, social, and physical aspects related to athletes' success and well-being are examined. Research on coaching effectiveness is also explored with emphasis on applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5356. Applied Statistics in Health and Human Performance.
A study of quantitative statistical methods for planning and conducting experimental and correlational research, as well as techniques for statistical data analysis and interpretation applicable to health and human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5398. Internship in Exercise and Sports Science.
This 240-hour internship provides students with work-related experience with children, adults, older individuals, or athletes in exercise settings. Students are provided an opportunity to prescribe and supervise age- and fitness-appropriate exercise programs and perform exercise tests. Prerequisite: ESS 5306 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis course credit is awarded until the student has completed the entire thesis required in ESS 5399B. Prerequisites: ESS 5346 and ESS 5356 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5624. Principles and Practices for Teaching Physical Education.
This is a leveling class for graduate students pursuing teaching certification in physical education. Particular emphasis is placed on methods of teaching physical education. This course does not earn graduate degree credit. Departmental Approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5698. Internship in Exercise and Sports Science.
This full-time internship provides students with a minimum of 480 hours of field experience. Students will work with children, adults, older individuals, or athletes in exercise or health care settings, and prescribe and supervise age and fitness appropriate exercise programs and perform comprehensive health-related assessments.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Exercise Science (Strength & Conditioning and Sport Coaching Concentration Thesis Option)

The Master of Science (M.S.) in Exercise Science with a Concentration in Strength & Conditioning and Sport Coaching will meet the needs of graduate students pursuing careers in diverse sport and athletic settings. Graduate students will gain an understanding of the scientific principles of physical training, as well as the psychological and social factors that impact participation in sports from early adolescence to adulthood. Graduates will also be prepared to seek advanced professional certifications (e.g., NSCA Certified Strength and Conditioning Specialist, ASEP American Sports Education Program) and/or pursue a doctoral degree in various sport studies.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic

year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fees for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- resume/CV
- statement of purpose (approximately 500 words, typed and double-spaced) addressing the following:
  - professional goals
  - reasons for pursuing education and training in physical education
  - summary of major strengths and weaknesses with respect to being admitted into the program
- three letters of recommendation (including at least two academic references) regarding professional competence and character

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the last-60-hours GPA is 3.0 or below, the student must submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning section.

(Effective Spring 2020, if the last-60-hours GPA is below 3.0, the GRE is not required.)

Degree Requirements

The Master of Science (M.S.) degree with a major in Exercise Science concentration in Strength & Conditioning and Sport Coaching Thesis Option requires 36 semester credit hours.

As background prerequisites, an Exercise Science major is expected to have a minimum of 9 semester hours of exercise science course work on the bachelor's degree. Students who do not have these hours may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
ESS 5304	Motor Learning and Performance	3
ESS 5309	Biomechanics for Exercise & Sports Science	3
ESS 5346	Research Methods in Health and Human Performance	3
ESS 5356	Applied Statistics in Health and Human Performance	3
Choose one of the following:		3
ESS 5306	Advanced Exercise Physiology	
ESS 5310	Cardiopulmonary Exercise Physiology	
ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
Concentration Courses		
ESS 5307	Advanced Resistance Training and Conditioning	3
ESS 5344	Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings	3
ESS 5354	Developmental Sports Education: Youth Participants	3
ESS 5355	Developmental Sports Education: High-Level Athletes and Coaching Effectiveness	3
Prescribed Electives		
Choose one of the following:		3
CI 5314	Human Growth and Development II	
ESS 5110	Research Seminar (May be repeated twice)	
ESS 5305	Advanced Fitness Assessment and Exercise Prescription	
ESS 5306	Advanced Exercise Physiology	
ESS 5308	Physical Activity, Disease Prevention and Treatment	
ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
ESS 5322	Inclusion and Diversity in Physical Activity and Sport	
ESS 5347	Independent Study in Exercise Science	
ESS 5353	Curriculum Design, Implementation and Evaluation in Diverse Physical Activity Settings	
ESS 5398	Internship in Exercise and Sports Science	
or ESS 5698	Internship in Exercise and Sports Science	
PHIL 5322	Professional Ethics	
PHIL 5326	Philosophy and Sport	
REC 5330	Organizational Leadership in Recreation and Leisure Services	
REC 5380	Administering Leisure Delivery Systems	
Thesis Courses		
ESS 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
ESS 5199B	Thesis	
ESS 5299B	Thesis	
ESS 5399B	Thesis	
ESS 5599B	Thesis	

ESS 5999B	Thesis
Total Hours	36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

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The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Health and Human Performance: ESS

Courses Offered

Exercise Science Specialization (ESS)

ESS 5101. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5110. Research Seminar.
The focus of this course engages students in research and professional development in Exercise and Sports Science. This seminar will allow students to gain exposure to a variety of scholarly activities in an interdisciplinary setting.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ESS 5117. Laboratory in Exercise Physiology.
Students in this leveling laboratory course perform experiments that highlight the physiological responses to exercise. The course introduces students to basis techniques in the assessment of health and human performance, including the assessment of maximal oxygen consumption, body composition, anaerobic power and capacity, muscular fitness, movement economy, and dietary intake. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Co-requisite: ESS 5317.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5201. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5304. Motor Learning and Performance.
This course is designed to provide students the foundation for understanding the principles involved in enhancing motor skill acquisition, and physiological, neurological, and psychological factors affecting motor learning and performance. Inquiry is made into the various motor learning theories and concepts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5305. Advanced Fitness Assessment and Exercise Prescription.
This course provides an intensive study of current scientifically based exercise testing and prescription procedures. Students will learn how to evaluate fitness and prescribe exercise through laboratory experiences.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ESS 5306. Advanced Exercise Physiology.
This advanced course will provide students with a thorough understanding of the acute responses to exercise and the physiological adaptations that occur in response to exercise training. Additional topics to be covered include environmental influences, aging, and sex differences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5307. Advanced Resistance Training and Conditioning.
This course will include the development, instruction, and evaluation of resistance training exercises and programs for diverse populations and settings. Physiological and mechanical principles related to resistance training will be applied to study human performance, injury prevention, and rehabilitation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5308. Physical Activity, Disease Prevention and Treatment.
This course will provide students with opportunities to examine the role of physical inactivity in the development of chronic diseases and the benefits of activity in prevention efforts. A special emphasis will be placed on activity assessment and intervention research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5309. Biomechanics for Exercise & Sports Science.
Review of current research and research techniques in the biomechanics of exercise and sport science. Students will developskills in reviewing, planning, and conducting biomechanical research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5310. Cardiopulmonary Exercise Physiology.
The course will provide studetns with a thorough understanding of the structure, function, neural mechanisms, and integrated responses of the human cardiopulmonary system to acute and chronic exercise. In addition, basic cardiopulmonary pathology, pharmacology, and electrocardiography will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5311. Applied Neuromuscular and Skeletal Muscle Physiology.
The course will provide students with a thorough understanding of the structure and function of neuromuscular and skeletal muscle physiology. This course will examine mechanisms that regulate skeletal muscle force production and human performance in response to acute and chronic exercise. In addition, advanced laboratory techniques will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5317. Exercise Physiology.
This leveling course provides an overview of the acute and chronic physiological responses to exercise. Emphasis is on muscle bioenergetics, muscle contractile properties, optimizing human performance through training and supplementation, as well as cardiopulmonary and endocrine responses to exercise. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Corequisite: ESS 5117.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

ESS 5320. Biomechanics.
This leveling course provides an introduction to the mechanical foundations of anatomical function and human movement. Qualitative and quantitative biomechanical analyses of human movement are introducted to inform the prescription of technique, equipment, and training interventions. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5322. Inclusion and Diversity in Physical Activity and Sport.
This course is designed to prepare physical activity and sport educators with knowledge, skills, and strategies to create inclusive learning environments. Culturally responsive teaching strategies that best accommodate the individual needs of children, adolescents, and adults, with diverse ethnic, racial, cultural, socio-economic, physical, and cognitive needs will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5329. Motor Learning.
This leveling course provides students with an understanding of the physiological, neurological, and psychological factors affecting performance and acquisition of motor skills. Students will examine the structural components underlying the learning of motor skills and draw upon examples from sport, physical activities, and rehabilitation. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5344. Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings.
This course is designed to enhance instructional skills for professionals working in educational, sport, clinical, and community settings. Students incorporate evidence-based instructional practices and assess teaching using systematic, reliable, and valid measures. Students will be able to apply course concepts to implement effective instruction in diverse venues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5346. Research Methods in Health and Human Performance.
A study of research methods related to techniques for searching the professional research literature, understanding, planning, and conducting professional research projects, as well as development of skills for writing research proposals related to human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5347. Independent Study in Exercise Science.
The course allows students to receive individualized instruction while working on a professional project with a supervising faculty member. This course will require students to enhance their writing, research, teaching, and/or presentation skills. Repeatable once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5353. Curriculum Design, Implementation and Evaluation in Diverse Physical Activity Settings.
This course is designed to explore evidence-based curricula across Exercise and Sport Science settings including, but not limited to clinical, strength and conditioning, community physical activity, and sports. Students will gain knowledge and understanding about the curriculum design process and program evaluation using current theory to practice models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5354. Developmental Sports Education: Youth Participants.
This course is designed to provide sport educators with theory, research, and application strategies to implement developmentally appropriate sports programs for youth participants. Social, psychological, pedagogical, philosophical, and physical variables impacting youth in sport are examined. Emphasis is placed on promoting positive youth development by applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5355. Developmental Sports Education: High-Level Athletes and Coaching Effectiveness.
This course is designed to provide sport educators with theory, research, and practical strategies to implement developmentally appropriate sports programs for high-level athletes. Psychological, social, and physical aspects related to athletes' success and well-being are examined. Research on coaching effectiveness is also explored with emphasis on applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5356. Applied Statistics in Health and Human Performance.
A study of quantitative statistical methods for planning and conducting experimental and correlational research, as well as techniques for statistical data analysis and interpretation applicable to health and human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5398. Internship in Exercise and Sports Science.
This 240-hour internship provides students with work-related experience with children, adults, older individuals, or athletes in exercise settings. Students are provided an opportunity to prescribe and supervise age- and fitness-appropriate exercise programs and perform exercise tests. Prerequisite: ESS 5306 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis course credit is awarded until the student has completed the entire thesis required in ESS 5399B. Prerequisites: ESS 5346 and ESS 5356 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5624. Principles and Practices for Teaching Physical Education.
This is a leveling class for graduate students pursuing teaching certification in physical education. Particular emphasis is placed on methods of teaching physical education. This course does not earn graduate degree credit. Departmental Approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5698. Internship in Exercise and Sports Science.
This full-time internship provides students with a minimum of 480 hours of field experience. Students will work with children, adults, older individuals, or athletes in exercise or health care settings, and prescribe and supervise age and fitness appropriate exercise programs and perform comprehensive health-related assessments.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Exercise Science (Thesis Option)

Major Program

Students seeking a Master of Science (M.S.) degree with a major in Exercise Science will appreciate the value and importance of research-based literature and have the critical thinking, research, and technical skills to:

1. understand research-based literature;
2. use innovative approaches to problem solving;
3. successfully pursue a doctoral degree in exercise science or related discipline;
4. work in athletic, clinical (e.g., cardiopulmonary rehabilitation and diagnostic testing), educational, and fitness settings; and
5. sit for advanced professional certifications (e.g., the American College of Sports Medicine Certified Clinical Exercise Specialist, Certified Health Fitness Specialist, Certified Strength and Conditioning Specialist, or Registered Clinical Exercise Physiologist).

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*

- GRE not required*
- resume/CV
- statement of purpose (approximately 500 words, typed and double-spaced) addressing the following:
  - professional goals
  - reasons for pursuing education and training in physical education
  - summary of major strengths and weaknesses with respect to being admitted into the program
- three letters of recommendation (including at least two academic references) regarding professional competence and character

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the last-60-hours GPA is 3.0 or below, the student must submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning section.

(Effective Spring 2020, if the last-60-hours GPA is below 3.0, the GRE is not required.)

Degree Requirements

The Master of Science (M.S.) degree with a major in Exercise Science requires 36 semester credit hours, including a thesis.

As background prerequisites, an exercise science major is expected to have a minimum of 9 semester hours of exercise science course work on the bachelor's degree. Students who do not have these hours may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
ESS 5304	Motor Learning and Performance	3
ESS 5309	Biomechanics for Exercise & Sports Science	3
ESS 5346	Research Methods in Health and Human Performance	3
ESS 5356	Applied Statistics in Health and Human Performance	3
Choose 3 hours from the following:		3
ESS 5306	Advanced Exercise Physiology	
ESS 5310	Cardiopulmonary Exercise Physiology	
ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
Prescribed Electives		
Choose 12 hours from the following:		12
ESS 5110	Research Seminar (May be repeated twice)	
ESS 5305	Advanced Fitness Assessment and Exercise Prescription	
ESS 5306	Advanced Exercise Physiology	
ESS 5307	Advanced Resistance Training and Conditioning	
ESS 5308	Physical Activity, Disease Prevention and Treatment	
ESS 5310	Cardiopulmonary Exercise Physiology	
ESS 5311	Applied Neuromuscular and Skeletal Muscle Physiology	
ESS 5322	Inclusion and Diversity in Physical Activity and Sport	
ESS 5344	Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings	
ESS 5347	Independent Study in Exercise Science	
ESS 5353	Curriculum Design, Implementation and Evaluation in Diverse Physical Activity Settings	
ESS 5354	Developmental Sports Education: Youth Participants	
ESS 5355	Developmental Sports Education: High-Level Athletes and Coaching Effectiveness	
ESS 5398	Internship in Exercise and Sports Science	
or ESS 5698	Internship in Exercise and Sports Science	
Prescribed Electives		
Choose 3 hours from the following:		3
AT 5310	Proprioception and Neuromuscular Control in Rehabilitation	
AT 5311	Biomechanics of Musculoskeletal Injury	
BIO 5441	Cellular Physiology	
NUTR 5302G	Pediatric Obesity	
NUTR 5364	The Science of Nutrition and Exercise	
NUTR 5366	Nutrient Metabolism I	
PH 5321	Advanced Health Behavior Theory	
PHIL 5322	Professional Ethics	
PHIL 5326	Philosophy and Sport	
PHIL 5327	Medical Ethics and Bio-ethics	
PSY 5335	Foundations of Health Psychology	
Thesis		
ESS 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
ESS 5199B	Thesis	
ESS 5299B	Thesis	
ESS 5399B	Thesis	
ESS 5599B	Thesis	
ESS 5999B	Thesis	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent

thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

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1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

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Master's level courses in Health and Human Performance: ESS

Courses Offered

Exercise Science Specialization (ESS)

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This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5110. Research Seminar.
The focus of this course engages students in research and professional development in Exercise and Sports Science. This seminar will allow students to gain exposure to a variety of scholarly activities in an interdisciplinary setting.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ESS 5117. Laboratory in Exercise Physiology.
Students in this leveling laboratory course perform experiments that highlight the physiological responses to exercise. The course introduces students to basis techniques in the assessment of health and human performance, including the assessment of maximal oxygen consumption, body composition, anaerobic power and capacity, muscular fitness, movement economy, and dietary intake. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Co-requisite: ESS 5317.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5201. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5304. Motor Learning and Performance.
This course is designed to provide students the foundation for understanding the principles involved in enhancing motor skill acquisition, and physiological, neurological, and psychological factors affecting motor learning and performance. Inquiry is made into the various motor learning theories and concepts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5305. Advanced Fitness Assessment and Exercise Prescription.
This course provides an intensive study of current scientifically based exercise testing and prescription procedures. Students will learn how to evaluate fitness and prescribe exercise through laboratory experiences.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ESS 5306. Advanced Exercise Physiology.
This advanced course will provide students with a thorough understanding of the acute responses to exercise and the physiological adaptations that occur in response to exercise training. Additional topics to be covered include environmental influences, aging, and sex differences.
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Grade Mode: Standard Letter

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This course will include the development, instruction, and evaluation of resistance training exercises and programs for diverse populations and settings. Physiological and mechanical principles related to resistance training will be applied to study human performance, injury prevention, and rehabilitation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5308. Physical Activity, Disease Prevention and Treatment.
This course will provide students with opportunities to examine the role of physical inactivity in the development of chronic diseases and the benefits of activity in prevention efforts. A special emphasis will be placed on activity assessment and intervention research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5309. Biomechanics for Exercise & Sports Science.
Review of current research and research techniques in the biomechanics of exercise and sport science. Students will developskills in reviewing, planning, and conducting biomechanical research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5310. Cardiopulmonary Exercise Physiology.
The course will provide studetns with a thorough understanding of the structure, function, neural mechanisms, and integrated responses of the human cardiopulmonary system to acute and chronic exercise. In addition, basic cardiopulmonary pathology, pharmacology, and electrocardiography will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5311. Applied Neuromuscular and Skeletal Muscle Physiology.
The course will provide students with a thorough understanding of the structure and function of neuromuscular and skeletal muscle physiology. This course will examine mechanisms that regulate skeletal muscle force production and human performance in response to acute and chronic exercise. In addition, advanced laboratory techniques will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5317. Exercise Physiology.
This leveling course provides an overview of the acute and chronic physiological responses to exercise. Emphasis is on muscle bioenergetics, muscle contractile properties, optimizing human performance through training and supplementation, as well as cardiopulmonary and endocrine responses to exercise. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Corequisite: ESS 5117.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

ESS 5320. Biomechanics.
This leveling course provides an introduction to the mechanical foundations of anatomical function and human movement. Qualitative and quantitative biomechanical analyses of human movement are introducted to inform the prescription of technique, equipment, and training interventions. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5322. Inclusion and Diversity in Physical Activity and Sport.
This course is designed to prepare physical activity and sport educators with knowledge, skills, and strategies to create inclusive learning environments. Culturally responsive teaching strategies that best accommodate the individual needs of children, adolescents, and adults, with diverse ethnic, racial, cultural, socio-economic, physical, and cognitive needs will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5329. Motor Learning.
This leveling course provides students with an understanding of the physiological, neurological, and psychological factors affecting performance and acquisition of motor skills. Students will examine the structural components underlying the learning of motor skills and draw upon examples from sport, physical activities, and rehabilitation. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5344. Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings.
This course is designed to enhance instructional skills for professionals working in educational, sport, clinical, and community settings. Students incorporate evidence-based instructional practices and assess teaching using systematic, reliable, and valid measures. Students will be able to apply course concepts to implement effective instruction in diverse venues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5346. Research Methods in Health and Human Performance.
A study of research methods related to techniques for searching the professional research literature, understanding, planning, and conducting professional research projects, as well as development of skills for writing research proposals related to human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5347. Independent Study in Exercise Science.
The course allows students to receive individualized instruction while working on a professional project with a supervising faculty member. This course will require students to enhance their writing, research, teaching, and/or presentation skills. Repeatable once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5353. Curriculum Design, Implementation and Evaluation in Diverse Physical Activity Settings.
This course is designed to explore evidence-based curricula across Exercise and Sport Science settings including, but not limited to clinical, strength and conditioning, community physical activity, and sports. Students will gain knowledge and understanding about the curriculum design process and program evaluation using current theory to practice models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5354. Developmental Sports Education: Youth Participants.
This course is designed to provide sport educators with theory, research, and application strategies to implement developmentally appropriate sports programs for youth participants. Social, psychological, pedagogical, philosophical, and physical variables impacting youth in sport are examined. Emphasis is placed on promoting positive youth development by applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5355. Developmental Sports Education: High-Level Athletes and Coaching Effectiveness.
This course is designed to provide sport educators with theory, research, and practical strategies to implement developmentally appropriate sports programs for high-level athletes. Psychological, social, and physical aspects related to athletes' success and well-being are examined. Research on coaching effectiveness is also explored with emphasis on applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5356. Applied Statistics in Health and Human Performance.
A study of quantitative statistical methods for planning and conducting experimental and correlational research, as well as techniques for statistical data analysis and interpretation applicable to health and human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5398. Internship in Exercise and Sports Science.
This 240-hour internship provides students with work-related experience with children, adults, older individuals, or athletes in exercise settings. Students are provided an opportunity to prescribe and supervise age- and fitness-appropriate exercise programs and perform exercise tests. Prerequisite: ESS 5306 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis course credit is awarded until the student has completed the entire thesis required in ESS 5399B. Prerequisites: ESS 5346 and ESS 5356 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5624. Principles and Practices for Teaching Physical Education.
This is a leveling class for graduate students pursuing teaching certification in physical education. Particular emphasis is placed on methods of teaching physical education. This course does not earn graduate degree credit. Departmental Approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5698. Internship in Exercise and Sports Science.
This full-time internship provides students with a minimum of 480 hours of field experience. Students will work with children, adults, older individuals, or athletes in exercise or health care settings, and prescribe and supervise age and fitness appropriate exercise programs and perform comprehensive health-related assessments.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Public Health Education and Promotion (Non-thesis Minor Option)

The M.S. in Public Health Education and Promotion program prepares students for advanced careers in community and public health education settings in one of the fastest growing career sectors in the U.S. Graduates can pursue employment in public health departments, state and federal health agencies, nonprofit organizations, and other community health organizations working in areas including disease prevention, substance abuse prevention, adolescent health, and many other areas. Students are prepared to sit for the Certified Health Education Specialist exam offered by the National Commission for Health Education Credentialing, Inc.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcript from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- statement of purpose (500 words, double-spaced, computer-generated) addressing the following:
  - Why public health education and promotion is an interest area for the applicant
  - How will the applicant use a graduate degree in Public Health Education and Promotion to reach career goals
- three letters of recommendation from persons best able to assess the student's ability to succeed in graduate school
- resume

Applicants should refer to the Graduate College website for additional information regarding the admission process.

TOEFL or IELTS Scores

Applicants are required to submit TOEFL or IELTS scores that meet the minimum program requirements below unless they have earned a bachelor's degree or higher from a regionally accredited U.S. institution or the equivalent from a country on our exempt countries list (http://www.gradcollege.txstate.edu/international/language.html#waiver).

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) major in Public Health Education and Promotion Non-thesis Minor option requires 36 semester credit hours, including a minor.

Course Requirements

Code	Title	Hours
Required Courses		
PH 5310	History and Philosophy of Public Health Education and Promotion	3
PH 5315	Applied Behavioral Statistics in Public Health Education and Promotion	3
PH 5321	Advanced Health Behavior Theory	3
PH 5346	Research Methods in Public Health Education and Promotion	3
PH 5350	Advanced Public Health Program Planning and Evaluation	3
Prescribed Public Health Electives		
Choose 12 hours from the following:		12
PH 5305	Grant Proposal Writing in Public Health	
PH 5312	Writing for Public Health Professionals	
PH 5320	Foundations of Public Health	
PH 5325	Ethical Principles in Public Health Education and Promotion	
PH 5330A	Health Disparities	
PH 5335	Public Health Education and Promotion Leadership	
PH 5345	Public Health Issues in Human Sexuality Education	
PH 5347	Independent Study in Public Health Education and Promotion	
PH 5360	Internship in Public Health Education and Promotion	
PH 5374	Global Public Health	
Minor		
Choose a 9 hour advisor-approved minor		9
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Public Health: PH

Courses Offered

Public Health (PH)

PH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5305. Grant Proposal Writing in Public Health.
This course provides the fundamentals of writing grant proposals in the social sciences. Instruction covers how to package a successful proposal from start to finish, including defining program objectives, selecting approaches and a plan, and preparing a program evaluation and budget.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5310. History and Philosophy of Public Health Education and Promotion.
This course is an intensive study of historical and philosophical contributions to public health education and promotion program development. Current political issues, public health issues, and influential cultural changes are examined. Focus is placed on developing a professional philosophy of practice in public health education and promotion practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5312. Writing for Public Health Professionals.
This course provides a systematic approach to improve technical and professional writing skills. Specifically, theory-based methods for establishing a productive writing habit, generating and editing text, and self-identifying and self-correcting writing problems are presented. Writing for and application of public health research are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5315. Applied Behavioral Statistics in Public Health Education and Promotion.
This course focuses on the study of introductory and intermediate statistics and procedures commonly used in public health education and promotion. Emphasis will be placed on application of statistical models, analysis software, and interpretation of findings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5320. Foundations of Public Health.
This course is an in-depth study of past and current public health programs. The course focuses on the examination of public health programs, policies, and systems that have impacted health status in different populations. A collection of current case-studies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5321. Advanced Health Behavior Theory.
This course focuses on the presentation and critical analysis of the role of theory in health behavior, the description of different theories being utilized in health research and interventions, and the application of these theories to interventions and research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5325. Ethical Principles in Public Health Education and Promotion.
This course provides an in-depth analysis of ethical standards, principles, and behaviors related to the field of public health education and promotion. Students will explore how to apply, monitor, and model ethical standards in the profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5330A. Health Disparities.
This course explores social determinants of health and health disparities in the U.S. and globally. Students explore past and existing public health initiatives to address health disparities in various U.S. communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PH 5335. Public Health Education and Promotion Leadership.
This course covers structured experiences for developing administrative leadership for public health education and promotion programs. Included are leadership philosophy, staffing, programming, budgeting, public relations, facilities, and evaluations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5345. Public Health Issues in Human Sexuality Education.
This course provides for in depth study of sexuality education as a lifelong process of acquiring information and forming healthy attitudes, beliefs, and values regarding sexuality. Students analyze information and educational resources for implementing and advocating for sexuality instruction through health courses, sexuality education courses, and programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5346. Research Methods in Public Health Education and Promotion.
This course focuses on research models used in public health education and promotion. Students learn how to design research studies using accepted research methods in the social sciences. In addition, students write the introduction, literature review, and methods sections commonly accepted in public health research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5347. Independent Study in Public Health Education and Promotion.
This course allows for independent study of one or more problems in public health education and promotion that hold special interest for a student or offers opportunity for professional improvement and growth. Open on an individual basis by special arrangement with the Program Coordinator. Repeatable once with a different emphasis. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5350. Advanced Public Health Program Planning and Evaluation.
Students examine social ecological influences on population health in the context of public health program development. Students explore the use of epidemiological data to assist in developing health education and health promotion programs. Concepts include needs assessment, strategy selection, coalition development, implementation plans, and evaluation approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5360. Internship in Public Health Education and Promotion.
This 240-hour internship provides students with professionally related experience. Students may work with diverse target audiences in public health settings. Internship is approved and supervised by Program Coordinator or assigned faculty. Prerequisites: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

PH 5374. Global Public Health.
This advanced course focuses on principles of international health with global populations. Emphasis is placed on assessing, planning, implementing, and evaluating prevention strategies. Students explore roles of health educators collaborating with providers of health services to diverse populations. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in PH 5399B. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Public Health Education and Promotion (Non-thesis Option)

The M.S. in Public Health Education and Promotion program prepares students for advanced careers in community and public health education settings in one of the fastest growing career sectors in the U.S. Graduates can pursue employment in public health departments, state and federal health agencies, nonprofit organizations, and other community health organizations working in areas including disease prevention, substance abuse prevention, adolescent health, and many other areas. Students are prepared to sit for the Certified Health Education Specialist exam offered by the National Commission for Health Education Credentialing, Inc.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcript from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- statement of purpose (500 words, double-spaced, computer-generated) addressing the following:
  - Why public health education and promotion is an interest area for the applicant
  - How will the applicant use a graduate degree in Public Health Education and Promotion to reach career goals
- Three letters of recommendation from persons best able to assess the student's ability to succeed in graduate school
- Resume

Applicants should refer to the Graduate College website for additional information regarding the admission process.

TOEFL or IELTS Scores

Applicants are required to submit TOEFL or IELTS scores that meet the minimum program requirements below unless they have earned a bachelor's degree or higher from a regionally accredited U.S. institution or the equivalent from a country on our exempt countries list (http://www.gradcollege.txstate.edu/international/language.html#waiver).

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) major in Public Health Education and Promotion Non-thesis option requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
PH 5310	History and Philosophy of Public Health Education and Promotion	3
PH 5315	Applied Behavioral Statistics in Public Health Education and Promotion	3
PH 5321	Advanced Health Behavior Theory	3
PH 5346	Research Methods in Public Health Education and Promotion	3
PH 5350	Advanced Public Health Program Planning and Evaluation	3
Prescribed Public Health Electives		
Choose 12 hours from the following:		12
PH 5305	Grant Proposal Writing in Public Health	
PH 5312	Writing for Public Health Professionals	
PH 5320	Foundations of Public Health	
PH 5325	Ethical Principles in Public Health Education and Promotion	
PH 5330A	Health Disparities	
PH 5335	Public Health Education and Promotion Leadership	
PH 5345	Public Health Issues in Human Sexuality Education	
PH 5347	Independent Study in Public Health Education and Promotion	
PH 5360	Internship in Public Health Education and Promotion	
PH 5374	Global Public Health	
Approved Electives		
Choose 9 hours from the following:		9
COMM 5318	Interpersonal Communication	
COMM 5319	Organizational Communication	
COMM 5325	Seminar in Human Communication Theory	
COMM 5333	Health Communication	
ESS 5308	Physical Activity, Disease Prevention and Treatment	
ESS 5344	Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings	

HA 5300	Healthcare Organization and Delivery
HA 5321	Healthcare Law
HA 5362	Healthcare Organizational Behavior/Theory
PSY 5334	Health Issues in Diverse Population
PSY 5335	Foundations of Health Psychology
PSY 5343	Occupational Health
REC 5310	Philosophical Foundations of Recreation & Leisure Services
REC 5340	Social Psychology of Recreation and Leisure
REC 5350	Legal and Ethical Issues in Recreation and Leisure Services
SOCI 5350	Seminar on the Sociology of Gender
SOCI 5353	Seminar in the Community
SOCI 5357	Gender and Aging in Society
SOCI 5359	Seminar in Drugs and Society
SOCI 5361	Aging and Dementia: Racial and Ethnic Minorities
SOCI 5362	Rural Aging and Dementia
SOCI 5363	Seminar in Medical Sociology
SOCI 5388F	Seminar in Poverty
SOCI 5388G	Seminar in Food and Society
Total Hours	36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Public Health: PH

Courses Offered

Public Health (PH)

PH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5305. Grant Proposal Writing in Public Health.
This course provides the fundamentals of writing grant proposals in the social sciences. Instruction covers how to package a successful proposal from start to finish, including defining program objectives, selecting approaches and a plan, and preparing a program evaluation and budget.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5310. History and Philosophy of Public Health Education and Promotion.
This course is an intensive study of historical and philosophical contributions to public health education and promotion program development. Current political issues, public health issues, and influential cultural changes are examined. Focus is placed on developing a professional philosophy of practice in public health education and promotion practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5312. Writing for Public Health Professionals.
This course provides a systematic approach to improve technical and professional writing skills. Specifically, theory-based methods for establishing a productive writing habit, generating and editing text, and self-identifying and self-correcting writing problems are presented. Writing for and application of public health research are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5315. Applied Behavioral Statistics in Public Health Education and Promotion.
This course focuses on the study of introductory and intermediate statistics and procedures commonly used in public health education and promotion. Emphasis will be placed on application of statistical models, analysis software, and interpretation of findings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5320. Foundations of Public Health.
This course is an in-depth study of past and current public health programs. The course focuses on the examination of public health programs, policies, and systems that have impacted health status in different populations. A collection of current case-studies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5321. Advanced Health Behavior Theory.
This course focuses on the presentation and critical analysis of the role of theory in health behavior, the description of different theories being utilized in health research and interventions, and the application of these theories to interventions and research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5325. Ethical Principles in Public Health Education and Promotion.
This course provides an in-depth analysis of ethical standards, principles, and behaviors related to the field of public health education and promotion. Students will explore how to apply, monitor, and model ethical standards in the profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5330A. Health Disparities.
This course explores social determinants of health and health disparities in the U.S. and globally. Students explore past and existing public health initiatives to address health disparities in various U.S. communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PH 5335. Public Health Education and Promotion Leadership.
This course covers structured experiences for developing administrative leadership for public health education and promotion programs. Included are leadership philosophy, staffing, programming, budgeting, public relations, facilities, and evaluations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5345. Public Health Issues in Human Sexuality Education.
This course provides for in depth study of sexuality education as a lifelong process of acquiring information and forming healthy attitudes, beliefs, and values regarding sexuality. Students analyze information and educational resources for implementing and advocating for sexuality instruction through health courses, sexuality education courses, and programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5346. Research Methods in Public Health Education and Promotion.
This course focuses on research models used in public health education and promotion. Students learn how to design research studies using accepted research methods in the social sciences. In addition, students write the introduction, literature review, and methods sections commonly accepted in public health research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5347. Independent Study in Public Health Education and Promotion.
This course allows for independent study of one or more problems in public health education and promotion that hold special interest for a student or offers opportunity for professional improvement and growth. Open on an individual basis by special arrangement with the Program Coordinator. Repeatable once with a different emphasis. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5350. Advanced Public Health Program Planning and Evaluation.
Students examine social ecological influences on population health in the context of public health program development. Students explore the use of epidemiological data to assist in developing health education and health promotion programs. Concepts include needs assessment, strategy selection, coalition development, implementation plans, and evaluation approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5360. Internship in Public Health Education and Promotion.
This 240-hour internship provides students with professionally related experience. Students may work with diverse target audiences in public health settings. Internship is approved and supervised by Program Coordinator or assigned faculty. Prerequisites: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

PH 5374. Global Public Health.
This advanced course focuses on principles of international health with global populations. Emphasis is placed on assessing, planning, implementing, and evaluating prevention strategies. Students explore roles of health educators collaborating with providers of health services to diverse populations. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in PH 5399B. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Public Health Education and Promotion (Thesis Minor Option)

The M.S. in Public Health Education and Promotion program prepares students for advanced careers in community and public health education settings in one of the fastest growing career sectors in the U.S. Graduates can pursue employment in public health departments, state and federal health agencies, nonprofit organizations, and other community health organizations working in areas including disease prevention, substance abuse prevention, adolescent health, and many

other areas. Students are prepared to sit for the Certified Health Education Specialist exam offered by the National Commission for Health Education Credentialing, Inc.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcript from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- Statement of purpose (500 words, double-spaced, computer-generated) addressing the following:
  - Why public health education and promotion is an interest area for the applicant
  - How will the applicant use a graduate degree in Public Health Education and Promotion to reach career goals
- Three letters of recommendation from persons best able to assess the student's ability to succeed in graduate school
- Resume

Applicants should refer to the Graduate College website for additional information regarding the admission process.

TOEFL or IELTS Scores

Applicants are required to submit TOEFL or IELTS scores that meet the minimum program requirements below unless they have earned a bachelor's degree or higher from a regionally accredited U.S. institution or the equivalent from a country on our exempt countries list (http://www.gradcollege.txstate.edu/international/language.html#waiver).

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) major in Public Health Education and Promotion Thesis option requires 36 semester credit hours, including a minor and a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
PH 5310	History and Philosophy of Public Health Education and Promotion	3
PH 5315	Applied Behavioral Statistics in Public Health Education and Promotion	3
PH 5321	Advanced Health Behavior Theory	3
PH 5346	Research Methods in Public Health Education and Promotion	3
PH 5350	Advanced Public Health Program Planning and Evaluation	3
Prescribed Public Health Electives		
Choose 6 hours from the following:		6
PH 5305	Grant Proposal Writing in Public Health	
PH 5312	Writing for Public Health Professionals	
PH 5320	Foundations of Public Health	
PH 5325	Ethical Principles in Public Health Education and Promotion	
PH 5330A	Health Disparities	
PH 5335	Public Health Education and Promotion Leadership	
PH 5345	Public Health Issues in Human Sexuality Education	
PH 5347	Independent Study in Public Health Education and Promotion	
PH 5360	Internship in Public Health Education and Promotion	
PH 5374	Global Public Health	
Minor		
Choose a 9 hour advisor-approved minor		9
Thesis		
PH 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
PH 5199B	Thesis	
PH 5299B	Thesis	
PH 5399B	Thesis	
PH 5599B	Thesis	
PH 5999B	Thesis	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Public Health: PH

Courses Offered

Public Health (PH)

PH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5305. Grant Proposal Writing in Public Health.
This course provides the fundamentals of writing grant proposals in the social sciences. Instruction covers how to package a successful proposal from start to finish, including defining program objectives, selecting approaches and a plan, and preparing a program evaluation and budget.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5310. History and Philosophy of Public Health Education and Promotion.
This course is an intensive study of historical and philosophical contributions to public health education and promotion program development. Current political issues, public health issues, and influential cultural changes are examined. Focus is placed on developing a professional philosophy of practice in public health education and promotion practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5312. Writing for Public Health Professionals.
This course provides a systematic approach to improve technical and professional writing skills. Specifically, theory-based methods for establishing a productive writing habit, generating and editing text, and self-identifying and self-correcting writing problems are presented. Writing for and application of public health research are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5315. Applied Behavioral Statistics in Public Health Education and Promotion.
This course focuses on the study of introductory and intermediate statistics and procedures commonly used in public health education and promotion. Emphasis will be placed on application of statistical models, analysis software, and interpretation of findings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5320. Foundations of Public Health.
This course is an in-depth study of past and current public health programs. The course focuses on the examination of public health programs, policies, and systems that have impacted health status in different populations. A collection of current case-studies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5321. Advanced Health Behavior Theory.
This course focuses on the presentation and critical analysis of the role of theory in health behavior, the description of different theories being utilized in health research and interventions, and the application of these theories to interventions and research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5325. Ethical Principles in Public Health Education and Promotion.
This course provides an in-depth analysis of ethical standards, principles, and behaviors related to the field of public health education and promotion. Students will explore how to apply, monitor, and model ethical standards in the profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5330A. Health Disparities.
This course explores social determinants of health and health disparities in the U.S. and globally. Students explore past and existing public health initiatives to address health disparities in various U.S. communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PH 5335. Public Health Education and Promotion Leadership.
This course covers structured experiences for developing administrative leadership for public health education and promotion programs. Included are leadership philosophy, staffing, programming, budgeting, public relations, facilities, and evaluations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5345. Public Health Issues in Human Sexuality Education.
This course provides for in depth study of sexuality education as a lifelong process of acquiring information and forming healthy attitudes, beliefs, and values regarding sexuality. Students analyze information and educational resources for implementing and advocating for sexuality instruction through health courses, sexuality education courses, and programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5346. Research Methods in Public Health Education and Promotion.
This course focuses on research models used in public health education and promotion. Students learn how to design research studies using accepted research methods in the social sciences. In addition, students write the introduction, literature review, and methods sections commonly accepted in public health research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5347. Independent Study in Public Health Education and Promotion.
This course allows for independent study of one or more problems in public health education and promotion that hold special interest for a student or offers opportunity for professional improvement and growth. Open on an individual basis by special arrangement with the Program Coordinator. Repeatable once with a different emphasis. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5350. Advanced Public Health Program Planning and Evaluation.
Students examine social ecological influences on population health in the context of public health program development. Students explore the use of epidemiological data to assist in developing health education and health promotion programs. Concepts include needs assessment, strategy selection, coalition development, implementation plans, and evaluation approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5360. Internship in Public Health Education and Promotion.
This 240-hour internship provides students with professionally related experience. Students may work with diverse target audiences in public health settings. Internship is approved and supervised by Program Coordinator or assigned faculty. Prerequisites: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

PH 5374. Global Public Health.
This advanced course focuses on principles of international health with global populations. Emphasis is placed on assessing, planning, implementing, and evaluating prevention strategies. Students explore roles of health educators collaborating with providers of health services to diverse populations. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in PH 5399B. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Public Health Education and Promotion (Thesis Option)

The M.S. in Public Health Education and Promotion program prepares students for advanced careers in community and public health education settings in one of the fastest growing career sectors in the U.S. Graduates can pursue employment in public health departments, state and federal health agencies, nonprofit organizations, and other community health organizations working in areas including disease prevention, substance abuse prevention, adolescent health, and many other areas. Students are prepared to sit for the Certified Health Education Specialist exam offered by the National Commission for Health Education Credentialing, Inc.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcript from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- Statement of purpose (500 words, double-spaced, computer-generated) addressing the following:
  - Why public health education and promotion is an interest area for the applicant
  - How will the applicant use a graduate degree in Public Health Education and Promotion to reach career goals
- Three letters of recommendation from persons best able to assess the student's ability to succeed in graduate school
- Resume

TOEFL or IELTS Scores

Applicants are required to submit TOEFL or IELTS scores that meet the minimum program requirements below unless they have earned a

bachelor's degree or higher from a regionally accredited U.S. institution or the equivalent from a country on our exempt countries list (http://www.gradcollege.txstate.edu/international/language.html#waiver).

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) major in Public Health Education and Promotion Thesis option requires 36 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
PH 5310	History and Philosophy of Public Health Education and Promotion	3
PH 5315	Applied Behavioral Statistics in Public Health Education and Promotion	3
PH 5321	Advanced Health Behavior Theory	3
PH 5346	Research Methods in Public Health Education and Promotion	3
PH 5350	Advanced Public Health Program Planning and Evaluation	3
Prescribed Public Health Electives		
Choose 6 hours from the following:		6
PH 5305	Grant Proposal Writing in Public Health	
PH 5312	Writing for Public Health Professionals	
PH 5320	Foundations of Public Health	
PH 5325	Ethical Principles in Public Health Education and Promotion	
PH 5330A	Health Disparities	
PH 5335	Public Health Education and Promotion Leadership	
PH 5345	Public Health Issues in Human Sexuality Education	
PH 5347	Independent Study in Public Health Education and Promotion	
PH 5360	Internship in Public Health Education and Promotion	
PH 5374	Global Public Health	
Thesis		
PH 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
PH 5199B	Thesis	
PH 5299B	Thesis	
PH 5399B	Thesis	
PH 5599B	Thesis	
PH 5999B	Thesis	
Approved Electives		
Choose 9 hours from the following:		9
COMM 5318	Interpersonal Communication	
COMM 5319	Organizational Communication	
COMM 5325	Seminar in Human Communication Theory	
COMM 5333	Health Communication	
ESS 5308	Physical Activity, Disease Prevention and Treatment	
ESS 5344	Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings	
HA 5300	Healthcare Organization and Delivery	
HA 5321	Healthcare Law	
HA 5362	Healthcare Organizational Behavior/Theory	
PSY 5343	Occupational Health	
REC 5310	Philosophical Foundations of Recreation & Leisure Services	
REC 5340	Social Psychology of Recreation and Leisure	
REC 5350	Legal and Ethical Issues in Recreation and Leisure Services	
SOCI 5350	Seminar on the Sociology of Gender	
SOCI 5353	Seminar in the Community	
SOCI 5357	Gender and Aging in Society	
SOCI 5359	Seminar in Drugs and Society	
SOCI 5361	Aging and Dementia: Racial and Ethnic Minorities	
SOCI 5362	Rural Aging and Dementia	
SOCI 5363	Seminar in Medical Sociology	
SOCI 5388F	Seminar in Poverty	
SOCI 5388G	Seminar in Food and Society	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must

include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Public Health: PH

Courses Offered

Public Health (PH)

PH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5305. Grant Proposal Writing in Public Health.
This course provides the fundamentals of writing grant proposals in the social sciences. Instruction covers how to package a successful proposal from start to finish, including defining program objectives, selecting approaches and a plan, and preparing a program evaluation and budget.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5310. History and Philosophy of Public Health Education and Promotion.
This course is an intensive study of historical and philosophical contributions to public health education and promotion program development. Current political issues, public health issues, and influential cultural changes are examined. Focus is placed on developing a professional philosophy of practice in public health education and promotion practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5312. Writing for Public Health Professionals.
This course provides a systematic approach to improve technical and professional writing skills. Specifically, theory-based methods for establishing a productive writing habit, generating and editing text, and self-identifying and self-correcting writing problems are presented. Writing for and application of public health research are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5315. Applied Behavioral Statistics in Public Health Education and Promotion.
This course focuses on the study of introductory and intermediate statistics and procedures commonly used in public health education and promotion. Emphasis will be placed on application of statistical models, analysis software, and interpretation of findings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5320. Foundations of Public Health.
This course is an in-depth study of past and current public health programs. The course focuses on the examination of public health programs, policies, and systems that have impacted health status in different populations. A collection of current case-studies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5321. Advanced Health Behavior Theory.
This course focuses on the presentation and critical analysis of the role of theory in health behavior, the description of different theories being utilized in health research and interventions, and the application of these theories to interventions and research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5325. Ethical Principles in Public Health Education and Promotion.
This course provides an in-depth analysis of ethical standards, principles, and behaviors related to the field of public health education and promotion. Students will explore how to apply, monitor, and model ethical standards in the profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5330A. Health Disparities.
This course explores social determinants of health and health disparities in the U.S. and globally. Students explore past and existing public health initiatives to address health disparities in various U.S. communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PH 5335. Public Health Education and Promotion Leadership.
This course covers structured experiences for developing administrative leadership for public health education and promotion programs. Included are leadership philosophy, staffing, programming, budgeting, public relations, facilities, and evaluations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5345. Public Health Issues in Human Sexuality Education.
This course provides for in depth study of sexuality education as a lifelong process of acquiring information and forming healthy attitudes, beliefs, and values regarding sexuality. Students analyze information and educational resources for implementing and advocating for sexuality instruction through health courses, sexuality education courses, and programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5346. Research Methods in Public Health Education and Promotion.
This course focuses on research models used in public health education and promotion. Students learn how to design research studies using accepted research methods in the social sciences. In addition, students write the introduction, literature review, and methods sections commonly accepted in public health research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5347. Independent Study in Public Health Education and Promotion.
This course allows for independent study of one or more problems in public health education and promotion that hold special interest for a student or offers opportunity for professional improvement and growth. Open on an individual basis by special arrangement with the Program Coordinator. Repeatable once with a different emphasis. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5350. Advanced Public Health Program Planning and Evaluation.
Students examine social ecological influences on population health in the context of public health program development. Students explore the use of epidemiological data to assist in developing health education and health promotion programs. Concepts include needs assessment, strategy selection, coalition development, implementation plans, and evaluation approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5360. Internship in Public Health Education and Promotion.
This 240-hour internship provides students with professionally related experience. Students may work with diverse target audiences in public health settings. Internship is approved and supervised by Program Coordinator or assigned faculty. Prerequisites: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

PH 5374. Global Public Health.
This advanced course focuses on principles of international health with global populations. Emphasis is placed on assessing, planning, implementing, and evaluating prevention strategies. Students explore roles of health educators collaborating with providers of health services to diverse populations. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in PH 5399B. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Science in Recreation and Leisure Services (M.S.R.L.S.) Major in Recreation Management (Non-thesis Option)

Major Program

The Master of Science in Recreation and Leisure Services (M.S.R.L.S.) degree with a major in Recreation Management is designed to prepare administrators, supervisors, educators, consultants, and researchers to assist people toward richer lives through leisure experiences. Recreation Management encompasses the administration and supervision of recreation and leisure services. Recreational professionals seeking course work for certification as Certified Park & Recreation Professional (CPRP) would enroll in this option.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in marketing and management
- GRE not required
- statement of purpose (maximum 500 words) detailing the following:
  - experiences leading to graduate studies in recreation management
  - qualities, values, characteristics of the student that will help him/her meet the academic rigors of graduate education
  - career goals relating to obtaining a master's degree

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

Master of Science in Recreation and Leisure Services (M.S.R.L.S.) degree with a major in Recreation Management requires 36 semester credit hours.

Course Requirement

Code	Title	Hours
Required Courses		
REC 5310	Philosophical Foundations of Recreation & Leisure Services	3
REC 5330	Organizational Leadership in Recreation and Leisure Services	3
REC 5337	Independent Study in Recreational Administration	3
REC 5340	Social Psychology of Recreation and Leisure	3
REC 5346	Literature and Research	3
REC 5350	Legal and Ethical Issues in Recreation and Leisure Services	3
REC 5360	Applications of Finance & Marketing in Recreation	3
REC 5380	Administering Leisure Delivery Systems	3
Electives		
Choose 12 hours from the following:		12
COMM 5318	Interpersonal Communication	
COMM 5319	Organizational Communication	
COMM 5329B	Communication and Negotiation	
EDCL 5339	Understanding Self: Developing a Personal Vision of Leadership	
EDCL 5345	Understanding People: Professional Development	
GEO 5312	Managing Urbanization	
GEO 5319	Seminar in Nature and Heritage Tourism	
GEO 5339	The Geography of Land Management	
MC 5308	Seminar in Strategic Communication	
MC 5317	Advanced Digital Media	
MGT 5314	Organizational Behavior and Theory	
PA 5310	Public Finance Administration	
PA 5320	Organizational Theory, Change, and Behavior	
REC 5321	Issues and Trends in Recreation and Leisure Services	
SOCI 5316	Seminar in Deviation and Social Problems	
SOCI 5320	Seminar in Demography	
SOCI 5359	Seminar in Drugs and Society	
SOCI 5353	Seminar in the Community	
SOCI 5370	Seminar in Multi-Cultural Relations	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Health and Human Performance: REC

Courses Offered

Recreation (REC)

REC 5199B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5299B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5310. Philosophical Foundations of Recreation & Leisure Services.
To introduce and explore the meanings of leisure, leisure behavior, and leisure services from historical, philosophical, sociological, and political perspectives. Students will develop a philosophical view of leisure based on exploration of the history of leisure and the leisure profession as well as consideration of the nature of the individual and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5318E. Physical environment, life and leisure I: Built public spaces and the leisure experience.
The physical environment is not only a container of human action, it is also itself experienced by people. This course will examine how the human-made environment is a source of meaning and experience and suggest, consequently, how it can be modeled to facilitate preferences by users. Open to non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

REC 5318L. Outdoor Recreation Leadership and Administration.
Students will become knowledgeable of the theoretical foundations of outdoor and adventure recreation programming and sustainable ecotourism. Principles and procedures for developing and leading recreation programs in a variety of specialized, outdoor environments will be studied. Leave No Trace competency and outdoor skills will be analyzed and demonstrated in outdoor settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

REC 5318M. Programming for Active Older Adults.
Individuals who work in leisure and aging focus on enhancing the quality of life for individuals aged 55 and over. The population of persons over the age of 65 is growing rapidly and in the US the 'older adult' population now includes members from three distinct age cohort group.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

REC 5321. Issues and Trends in Recreation and Leisure Services.
A seminar style course where students investigate current events on the provision of services. This course will address that need.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5325. Philosophical Foundations of Therapeutic Recreation.
Course examines the history, theory, and philosophy of therapeutic recreation such as service models, standards, and legislation. The use of therapeutic recreation in supporting the attainment and maintenance of well-being of people with differing characteristics and abilities is explored in a variety of service settings. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5326. Advanced Practices and Interventions in Therapeutic Recreation.
This course provides an in-depth examination of the therapeutic recreation process with a focus on planning and implementation of individualized services and supports for persons with disabling conditions. Therapeutic recreation practice concepts of interventions, modalities, instruction, leadership, supervision, and leisure counseling are explored. Prerequisite: REC 5325 with a grade of "C" or better. Corequisite: REC 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5327. Advanced Assessment and Documentation in Therapeutic Recreation.
This course provides an in-depth examination of the assessment and documentation phases of the therapeutic recreation process. Students will administer, score, interpret, and report standardized and specialized assessment instruments and documentation methods. Prerequisite: REC 5325 with a grade of "C" or better. Corequisite: REC 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5328. Advanced Principles of Therapeutic Recreation.
In this course students apply advanced principles of therapeutic recreation related to persons with psychological disorders and physical disabilities. The course engages students in advanced case study design and implementation of treatment plan utilizing a transdisciplinary approach to rehabilitation. Prerequisites: REC 5326 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5329. Therapeutic Recreation in Psychiatric Settings.
This course provides for the application of the therapeutic recreation process through case study development within a variety of service settings. Particular emphasis is on treatment modalities and techniques applicable to group interventions. Prerequisite: REC 5326 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5330. Organizational Leadership in Recreation and Leisure Services.
This course provides an exploration of management issues within recreation administration with an emphasis on the role of the leader as a conduit for effectiveness. Content will include theories and philosophies, processes, accountability, strategic planning, and conflict resolution applications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5337. Independent Study in Recreational Administration.
Individual study related to recreational administration under direct supervision of a faculty member. May be repeated for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5338. Internship in Therapeutic Recreation.
This course provides students the opportunity to complete an intensive, on-site internship under the supervision of a nationally Certified Therapeutic Recreation Specialist. Students will complete 560 hours in a therapeutic recreation setting. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5340. Social Psychology of Recreation and Leisure.
To provide an introduction and overview of the personal, social and social-psychological contexts of leisure; utilizing current literature the course will focus on examining leisure and recreation behavior from psychological, sociological and social-psychological constructs that are contributing to a contemporary, interdisciplinary understanding of the leisure phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5346. Literature and Research.
Directed reading, reports, and discussions of the current literature in the field of education, a critical analysis of research techniques and the locations and securing of information, together with the steps necessary to the solution of research problems in this field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5350. Legal and Ethical Issues in Recreation and Leisure Services.
A seminar style course that focuses on legal and ethical issues related to recreation and leisure services. Tort law, participant rights, accessibility, credentialing, and others are topics to be addressed in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5360. Applications of Finance & Marketing in Recreation.
This course is a study of financial and marketing concepts, principles, and techniques as they relate to recreation and leisure delivery systems. These include full cost accounting, pricing, financial management, distribution, promotional techniques, marketing plans, alternative funding and proposals. Prerequisite: REC 5380 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5380. Administering Leisure Delivery Systems.
This course content provides students with program development and administration tools developed and tested within the recreation industry. Topics may include the exploration of programming and organizational theory, administrative processes, and the application of the organizational principles to the recreation service delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5381. Outdoor Program Leadership and Administration.
Within the role of leadership and administration, students will become knowledgeable in the theoretical foundations of outdoor programs, adventure programming, and wilderness travel. The history of thought surrounding natural places and outdoor recreation will be examined throughout the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in REC 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5399B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5599B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5999B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science in Recreation and Leisure Services (M.S.R.L.S.) Major in Recreation Management (Thesis Option)

Major Program

The Master of Science in Recreation and Leisure Services (M.S.R.L.S.) degree with a major in Recreation Management is designed to prepare administrators, supervisors, educators, consultants, and researchers to assist people toward richer lives through leisure experiences. Recreation Management encompasses the administration and supervision of recreation and leisure services. Recreational professionals seeking course work for certification as Certified Park & Recreation Professional (CPRP) would enroll in this option.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in marketing and management
- GRE not required
- statement of purpose (maximum 500 words) detailing the following:
  - experiences leading to graduate studies in recreation management
  - qualities, values, characteristics of the student that will help him/her meet the academic rigors of graduate education
  - career goals relating to obtaining a master's degree

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

Master of Science in Recreation and Leisure Services (M.S.R.L.S.) degree with a major in Recreation Management requires 30 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
REC 5310	Philosophical Foundations of Recreation & Leisure Services	3
REC 5330	Organizational Leadership in Recreation and Leisure Services	3

REC 5340	Social Psychology of Recreation and Leisure	3
REC 5346	Literature and Research	3
REC 5350	Legal and Ethical Issues in Recreation and Leisure Services	3
REC 5360	Applications of Finance & Marketing in Recreation	3
REC 5380	Administering Leisure Delivery Systems	3
Electives		
Choose 3 hours from the following:		3
COMM 5318	Interpersonal Communication	
COMM 5319	Organizational Communication	
COMM 5329B	Communication and Negotiation	
EDCL 5339	Understanding Self: Developing a Personal Vision of Leadership	
EDCL 5345	Understanding People: Professional Development	
GEO 5312	Managing Urbanization	
GEO 5319	Seminar in Nature and Heritage Tourism	
GEO 5339	The Geography of Land Management	
MC 5308	Seminar in Strategic Communication	
MC 5317	Advanced Digital Media	
MGT 5314	Organizational Behavior and Theory	
PA 5310	Public Finance Administration	
PA 5320	Organizational Theory, Change, and Behavior	
REC 5321	Issues and Trends in Recreation and Leisure Services	
REC 5337	Independent Study in Recreational Administration	
SOCI 5316	Seminar in Deviation and Social Problems	
SOCI 5320	Seminar in Demography	
SOCI 5353	Seminar in the Community	
SOCI 5359	Seminar in Drugs and Society	
SOCI 5370	Seminar in Multi-Cultural Relations	
Thesis		
REC 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
REC 5199B	Thesis	
REC 5299B	Thesis	
REC 5399B	Thesis	
REC 5599B	Thesis	
REC 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until

the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Health and Human Performance: REC

Courses Offered

Recreation (REC)

REC 5199B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5299B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5310. Philosophical Foundations of Recreation & Leisure Services.
To introduce and explore the meanings of leisure, leisure behavior, and leisure services from historical, philosophical, sociological, and political perspectives. Students will develop a philosophical view of leisure based on exploration of the history of leisure and the leisure profession as well as consideration of the nature of the individual and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5318E. Physical environment, life and leisure I: Built public spaces and the leisure experience.
The physical environment is not only a container of human action, it is also itself experienced by people. This course will examine how the human-made environment is a source of meaning and experience and suggest, consequently, how it can be modeled to facilitate preferences by users. Open to non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

REC 5318L. Outdoor Recreation Leadership and Administration.
Students will become knowledgeable of the theoretical foundations of outdoor and adventure recreation programming and sustainable ecotourism. Principles and procedures for developing and leading recreation programs in a variety of specialized, outdoor environments will be studied. Leave No Trace competency and outdoor skills will be analyzed and demonstrated in outdoor settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

REC 5318M. Programming for Active Older Adults.
Individuals who work in leisure and aging focus on enhancing the quality of life for individuals aged 55 and over. The population of persons over the age of 65 is growing rapidly and in the US the 'older adult' population now includes members from three distinct age cohort group.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

REC 5321. Issues and Trends in Recreation and Leisure Services.
A seminar style course where students investigate current events on the provision of services. This course will address that need.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5325. Philosophical Foundations of Therapeutic Recreation.
Course examines the history, theory, and philosophy of therapeutic recreation such as service models, standards, and legislation. The use of therapeutic recreation in supporting the attainment and maintenance of well-being of people with differing characteristics and abilities is explored in a variety of service settings. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5326. Advanced Practices and Interventions in Therapeutic Recreation.
This course provides an in-depth examination of the therapeutic recreation process with a focus on planning and implementation of individualized services and supports for persons with disabling conditions. Therapeutic recreation practice concepts of interventions, modalities, instruction, leadership, supervision, and leisure counseling are explored. Prerequisite: REC 5325 with a grade of "C" or better. Corequisite: REC 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5327. Advanced Assessment and Documentation in Therapeutic Recreation.
This course provides an in-depth examination of the assessment and documentation phases of the therapeutic recreation process. Students will administer, score, interpret, and report standardized and specialized assessment instruments and documentation methods. Prerequisite: REC 5325 with a grade of "C" or better. Corequisite: REC 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5328. Advanced Principles of Therapeutic Recreation.
In this course students apply advanced principles of therapeutic recreation related to persons with psychological disorders and physical disabilities. The course engages students in advanced case study design and implementation of treatment plan utilizing a transdisciplinary approach to rehabilitation. Prerequisites: REC 5326 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5329. Therapeutic Recreation in Psychiatric Settings.
This course provides for the application of the therapeutic recreation process through case study development within a variety of service settings. Particular emphasis is on treatment modalities and techniques applicable to group interventions. Prerequisite: REC 5326 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5330. Organizational Leadership in Recreation and Leisure Services.
This course provides an exploration of management issues within recreation administration with an emphasis on the role of the leader as a conduit for effectiveness. Content will include theories and philosophies, processes, accountability, strategic planning, and conflict resolution applications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5337. Independent Study in Recreational Administration.
Individual study related to recreational administration under direct supervision of a faculty member. May be repeated for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5338. Internship in Therapeutic Recreation.
This course provides students the opportunity to complete an intensive, on-site internship under the supervision of a nationally Certified Therapeutic Recreation Specialist. Students will complete 560 hours in a therapeutic recreation setting. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5340. Social Psychology of Recreation and Leisure.
To provide an introduction and overview of the personal, social and social-psychological contexts of leisure; utilizing current literature the course will focus on examining leisure and recreation behavior from psychological, sociological and social-psychological constructs that are contributing to a contemporary, interdisciplinary understanding of the leisure phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5346. Literature and Research.
Directed reading, reports, and discussions of the current literature in the field of education, a critical analysis of research techniques and the locations and securing of information, together with the steps necessary to the solution of research problems in this field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5350. Legal and Ethical Issues in Recreation and Leisure Services.
A seminar style course that focuses on legal and ethical issues related to recreation and leisure services. Tort law, participant rights, accessibility, credentialing, and others are topics to be addressed in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5360. Applications of Finance & Marketing in Recreation.
This course is a study of financial and marketing concepts, principles, and techniques as they relate to recreation and leisure delivery systems. These include full cost accounting, pricing, financial management, distribution, promotional techniques, marketing plans, alternative funding and proposals. Prerequisite: REC 5380 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5380. Administering Leisure Delivery Systems.
This course content provides students with program development and administration tools developed and tested within the recreation industry. Topics may include the exploration of programming and organizational theory, administrative processes, and the application of the organizational principles to the recreation service delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5381. Outdoor Program Leadership and Administration.
Within the role of leadership and administration, students will become knowledgeable in the theoretical foundations of outdoor programs, adventure programming, and wilderness travel. The history of thought surrounding natural places and outdoor recreation will be examined throughout the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in REC 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5399B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5599B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5999B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science in Recreation and Leisure Services (M.S.R.L.S.) Major in Therapeutic Recreation (Non-thesis Option)

Major Program

The Master of Science in Recreation and Leisure Services (M.S.R.L.S.) degree with a major in Therapeutic Recreation is designed to prepare administrators, supervisors, educators, consultants, and researchers to assist people toward richer lives through leisure experiences. Therapeutic Recreation focuses on enabling individuals with special needs to experience the same leisure options as able-bodied individuals through the use of recreation as a treatment and education modality. Individuals seeking to become a Certified Therapeutic Recreation Specialist (CTRS) would enroll in this option.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background courses required in:
  - Anatomy & Physiology
  - Abnormal Psychology
  - Human Growth and Development Across the Lifespan
- GRE not required
- statement of purpose (maximum 500 words) addressing the following:
  - experiences leading to graduate studies in therapeutic recreation
  - qualities, values, characteristics of the student that will help him/her meet the academic rigors of graduate education
  - career goals relating to obtaining a master's degree

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science in Recreation and Leisure Services (M.S.R.L.S.) degree with a major in Therapeutic Recreation requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
REC 5325	Philosophical Foundations of Therapeutic Recreation	3
REC 5326	Advanced Practices and Interventions in Therapeutic Recreation	3
REC 5327	Advanced Assessment and Documentation in Therapeutic Recreation	3
REC 5328	Advanced Principles of Therapeutic Recreation	3
REC 5329	Therapeutic Recreation in Psychiatric Settings	3
REC 5338	Internship in Therapeutic Recreation	3
REC 5340	Social Psychology of Recreation and Leisure	3
REC 5346	Literature and Research	3
Recreation Electives		
Choose 6 hours from the following:		6
REC 5310	Philosophical Foundations of Recreation & Leisure Services	
REC 5330	Organizational Leadership in Recreation and Leisure Services	
REC 5350	Legal and Ethical Issues in Recreation and Leisure Services	
REC 5360	Applications of Finance & Marketing in Recreation	
Electives		

Choose 6 hours from the following:		6
ESS 5322	Inclusion and Diversity in Physical Activity and Sport	
PSY 5310	Advanced Abnormal Psychology	
SOCI 5316	Seminar in Deviation and Social Problems	
SOCI 5363	Seminar in Medical Sociology	
SPED 5310	Selected Topics in Special Education	
SPED 5326	Educating Students with Mild Disabilities	
SPED 5327	Educating Students with Autism and Other Developmental Disabilities	
SPED 5360	Survey of Exceptionality	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Health and Human Performance: REC

Courses Offered

Recreation (REC)

REC 5199B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5299B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5310. Philosophical Foundations of Recreation & Leisure Services.
To introduce and explore the meanings of leisure, leisure behavior, and leisure services from historical, philosophical, sociological, and political perspectives. Students will develop a philosophical view of leisure based on exploration of the history of leisure and the leisure profession as well as consideration of the nature of the individual and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5318E. Physical environment, life and leisure I: Built public spaces and the leisure experience.
The physical environment is not only a container of human action, it is also itself experienced by people. This course will examine how the human-made environment is a source of meaning and experience and suggest, consequently, how it can be modeled to facilitate preferences by users. Open to non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

REC 5318L. Outdoor Recreation Leadership and Administration.
Students will become knowledgeable of the theoretical foundations of outdoor and adventure recreation programming and sustainable ecotourism. Principles and procedures for developing and leading recreation programs in a variety of specialized, outdoor environments will be studied. Leave No Trace competency and outdoor skills will be analyzed and demonstrated in outdoor settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

REC 5318M. Programming for Active Older Adults.
Individuals who work in leisure and aging focus on enhancing the quality of life for individuals aged 55 and over. The population of persons over the age of 65 is growing rapidly and in the US the 'older adult' population now includes members from three distinct age cohort group.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

REC 5321. Issues and Trends in Recreation and Leisure Services.
A seminar style course where students investigate current events on the provision of services. This course will address that need.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5325. Philosophical Foundations of Therapeutic Recreation.
Course examines the history, theory, and philosophy of therapeutic recreation such as service models, standards, and legislation. The use of therapeutic recreation in supporting the attainment and maintenance of well-being of people with differing characteristics and abilities is explored in a variety of service settings. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5326. Advanced Practices and Interventions in Therapeutic Recreation.
This course provides an in-depth examination of the therapeutic recreation process with a focus on planning and implementation of individualized services and supports for persons with disabling conditions. Therapeutic recreation practice concepts of interventions, modalities, instruction, leadership, supervision, and leisure counseling are explored. Prerequisite: REC 5325 with a grade of "C" or better. Corequisite: REC 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5327. Advanced Assessment and Documentation in Therapeutic Recreation.
This course provides an in-depth examination of the assessment and documentation phases of the therapeutic recreation process. Students will administer, score, interpret, and report standardized and specialized assessment instruments and documentation methods. Prerequisite: REC 5325 with a grade of "C" or better. Corequisite: REC 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5328. Advanced Principles of Therapeutic Recreation.
In this course students apply advanced principles of therapeutic recreation related to persons with psychological disorders and physical disabilities. The course engages students in advanced case study design and implementation of treatment plan utilizing a transdisciplinary approach to rehabilitation. Prerequisites: REC 5326 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5329. Therapeutic Recreation in Psychiatric Settings.
This course provides for the application of the therapeutic recreation process through case study development within a variety of service settings. Particular emphasis is on treatment modalities and techniques applicable to group interventions. Prerequisite: REC 5326 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5330. Organizational Leadership in Recreation and Leisure Services.
This course provides an exploration of management issues within recreation administration with an emphasis on the role of the leader as a conduit for effectiveness. Content will include theories and philosophies, processes, accountability, strategic planning, and conflict resolution applications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5337. Independent Study in Recreational Administration.
Individual study related to recreational administration under direct supervision of a faculty member. May be repeated for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5338. Internship in Therapeutic Recreation.
This course provides students the opportunity to complete an intensive, on-site internship under the supervision of a nationally Certified Therapeutic Recreation Specialist. Students will complete 560 hours in a therapeutic recreation setting. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5340. Social Psychology of Recreation and Leisure.
To provide an introduction and overview of the personal, social and social-psychological contexts of leisure; utilizing current literature the course will focus on examining leisure and recreation behavior from psychological, sociological and social-psychological constructs that are contributing to a contemporary, interdisciplinary understanding of the leisure phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5346. Literature and Research.
Directed reading, reports, and discussions of the current literature in the field of education, a critical analysis of research techniques and the locations and securing of information, together with the steps necessary to the solution of research problems in this field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5350. Legal and Ethical Issues in Recreation and Leisure Services.
A seminar style course that focuses on legal and ethical issues related to recreation and leisure services. Tort law, participant rights, accessibility, credentialing, and others are topics to be addressed in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5360. Applications of Finance & Marketing in Recreation.
This course is a study of financial and marketing concepts, principles, and techniques as they relate to recreation and leisure delivery systems. These include full cost accounting, pricing, financial management, distribution, promotional techniques, marketing plans, alternative funding and proposals. Prerequisite: REC 5380 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5380. Administering Leisure Delivery Systems.
This course content provides students with program development and administration tools developed and tested within the recreation industry. Topics may include the exploration of programming and organizational theory, administrative processes, and the application of the organizational principles to the recreation service delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5381. Outdoor Program Leadership and Administration.
Within the role of leadership and administration, students will become knowledgeable in the theoretical foundations of outdoor programs, adventure programming, and wilderness travel. The history of thought surrounding natural places and outdoor recreation will be examined throughout the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in REC 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5399B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5599B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5999B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science in Recreation and Leisure Services (M.S.R.L.S.) Major in Therapeutic Recreation (Thesis Option)

Major Program

The Master of Science in Recreation and Leisure Services (M.S.R.L.S.) degree with a major in Therapeutic Recreation is designed to prepare administrators, supervisors, educators, consultants, and researchers to assist people toward richer lives through leisure experiences. Therapeutic Recreation focuses on enabling individuals with special needs to experience the same leisure options as able-bodied individuals through the use of recreation as a treatment and education modality. Individuals seeking to become a Certified Therapeutic Recreation Specialist (CTRS) would enroll in this option.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background courses required in:
  - Anatomy & Physiology
  - Abnormal Psychology
  - Human Growth and Development Across the Lifespan
- GRE not required
- statement of purpose (maximum 500 words) addressing the following:
  - experiences leading to graduate studies in therapeutic recreation
  - qualities, values, characteristics of the student that will help him/her meet the academic rigors of graduate education
  - career goals relating to obtaining a master's degree

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science in Recreation and Leisure Services (M.S.R.L.S.) degree with a major in Therapeutic Recreation requires 30 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
REC 5310	Philosophical Foundations of Recreation & Leisure Services	3
REC 5325	Philosophical Foundations of Therapeutic Recreation	3
REC 5328	Advanced Principles of Therapeutic Recreation	3
REC 5340	Social Psychology of Recreation and Leisure	3
REC 5346	Literature and Research	3
ESS 5356	Applied Statistics in Health and Human Performance	3
Electives		
Choose 6 hours from the following:		6
REC 5321	Issues and Trends in Recreation and Leisure Services	
REC 5330	Organizational Leadership in Recreation and Leisure Services	
REC 5337	Independent Study in Recreational Administration	
REC 5350	Legal and Ethical Issues in Recreation and Leisure Services	
REC 5380	Administering Leisure Delivery Systems	
Thesis		
REC 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
REC 5199B	Thesis	
REC 5299B	Thesis	
REC 5399B	Thesis	
REC 5599B	Thesis	
REC 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Health and Human Performance: REC

Courses Offered

Recreation (REC)

REC 5199B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5299B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5310. Philosophical Foundations of Recreation & Leisure Services.
To introduce and explore the meanings of leisure, leisure behavior, and leisure services from historical, philosophical, sociological, and political perspectives. Students will develop a philosophical view of leisure based on exploration of the history of leisure and the leisure profession as well as consideration of the nature of the individual and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5318E. Physical environment, life and leisure I: Built public spaces and the leisure experience.
The physical environment is not only a container of human action, it is also itself experienced by people. This course will examine how the human-made environment is a source of meaning and experience and suggest, consequently, how it can be modeled to facilitate preferences by users. Open to non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

REC 5318L. Outdoor Recreation Leadership and Administration.
Students will become knowledgeable of the theoretical foundations of outdoor and adventure recreation programming and sustainable ecotourism. Principles and procedures for developing and leading recreation programs in a variety of specialized, outdoor environments will be studied. Leave No Trace competency and outdoor skills will be analyzed and demonstrated in outdoor settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

REC 5318M. Programming for Active Older Adults.
Individuals who work in leisure and aging focus on enhancing the quality of life for individuals aged 55 and over. The population of persons over the age of 65 is growing rapidly and in the US the 'older adult' population now includes members from three distinct age cohort group.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

REC 5321. Issues and Trends in Recreation and Leisure Services.
A seminar style course where students investigate current events on the provision of services. This course will address that need.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5325. Philosophical Foundations of Therapeutic Recreation.
Course examines the history, theory, and philosophy of therapeutic recreation such as service models, standards, and legislation. The use of therapeutic recreation in supporting the attainment and maintenance of well-being of people with differing characteristics and abilities is explored in a variety of service settings. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5326. Advanced Practices and Interventions in Therapeutic Recreation.
This course provides an in-depth examination of the therapeutic recreation process with a focus on planning and implementation of individualized services and supports for persons with disabling conditions. Therapeutic recreation practice concepts of interventions, modalities, instruction, leadership, supervision, and leisure counseling are explored. Prerequisite: REC 5325 with a grade of "C" or better. Corequisite: REC 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5327. Advanced Assessment and Documentation in Therapeutic Recreation.
This course provides an in-depth examination of the assessment and documentation phases of the therapeutic recreation process. Students will administer, score, interpret, and report standardized and specialized assessment instruments and documentation methods. Prerequisite: REC 5325 with a grade of "C" or better. Corequisite: REC 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5328. Advanced Principles of Therapeutic Recreation.
In this course students apply advanced principles of therapeutic recreation related to persons with psychological disorders and physical disabilities. The course engages students in advanced case study design and implementation of treatment plan utilizing a transdisciplinary approach to rehabilitation. Prerequisites: REC 5326 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5329. Therapeutic Recreation in Psychiatric Settings.
This course provides for the application of the therapeutic recreation process through case study development within a variety of service settings. Particular emphasis is on treatment modalities and techniques applicable to group interventions. Prerequisite: REC 5326 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5330. Organizational Leadership in Recreation and Leisure Services.
This course provides an exploration of management issues within recreation administration with an emphasis on the role of the leader as a conduit for effectiveness. Content will include theories and philosophies, processes, accountability, strategic planning, and conflict resolution applications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5337. Independent Study in Recreational Administration.
Individual study related to recreational administration under direct supervision of a faculty member. May be repeated for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5338. Internship in Therapeutic Recreation.
This course provides students the opportunity to complete an intensive, on-site internship under the supervision of a nationally Certified Therapeutic Recreation Specialist. Students will complete 560 hours in a therapeutic recreation setting. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5340. Social Psychology of Recreation and Leisure.
To provide an introduction and overview of the personal, social and social-psychological contexts of leisure; utilizing current literature the course will focus on examining leisure and recreation behavior from psychological, sociological and social-psychological constructs that are contributing to a contemporary, interdisciplinary understanding of the leisure phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5346. Literature and Research.
Directed reading, reports, and discussions of the current literature in the field of education, a critical analysis of research techniques and the locations and securing of information, together with the steps necessary to the solution of research problems in this field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5350. Legal and Ethical Issues in Recreation and Leisure Services.
A seminar style course that focuses on legal and ethical issues related to recreation and leisure services. Tort law, participant rights, accessibility, credentialing, and others are topics to be addressed in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5360. Applications of Finance & Marketing in Recreation.
This course is a study of financial and marketing concepts, principles, and techniques as they relate to recreation and leisure delivery systems. These include full cost accounting, pricing, financial management, distribution, promotional techniques, marketing plans, alternative funding and proposals. Prerequisite: REC 5380 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5380. Administering Leisure Delivery Systems.
This course content provides students with program development and administration tools developed and tested within the recreation industry. Topics may include the exploration of programming and organizational theory, administrative processes, and the application of the organizational principles to the recreation service delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5381. Outdoor Program Leadership and Administration.
Within the role of leadership and administration, students will become knowledgeable in the theoretical foundations of outdoor programs, adventure programming, and wilderness travel. The history of thought surrounding natural places and outdoor recreation will be examined throughout the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in REC 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5399B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5599B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5999B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Minor in Exercise Science

The graduate minor in Exercise Science requires 12 semester credit hours.

Code	Title	Hours
Required Courses		
ESS 5305	Advanced Fitness Assessment and Exercise Prescription	3
ESS 5306	Advanced Exercise Physiology	3
ESS 5307	Advanced Resistance Training and Conditioning	3
ESS 5308	Physical Activity, Disease Prevention and Treatment	3
Total Hours		12

Minor in Public Health Education and Promotion

The graduate minor in Public Health Education and Promotion requires 15 semester credit hours.

Code	Title	Hours
Required Courses		
PH 5310	History and Philosophy of Public Health Education and Promotion	3
PH 5321	Advanced Health Behavior Theory	3
PH 5350	Advanced Public Health Program Planning and Evaluation	3
Prescribed Electives		
Choose six hours from the following:		6
PH 5305	Grant Proposal Writing in Public Health	
PH 5312	Writing for Public Health Professionals	

PH 5320	Foundations of Public Health	
PH 5325	Ethical Principles in Public Health Education and Promotion	
PH 5330A	Health Disparities	
PH 5335	Public Health Education and Promotion Leadership	
PH 5345	Public Health Issues in Human Sexuality Education	
PH 5347	Independent Study in Public Health Education and Promotion	
PH 5374	Global Public Health	
Total Hours		15

Minor in Recreation and Leisure Services

The graduate minor in Recreation and Leisure Services requires 12 semester credit hours.

Code	Title	Hours
Required Courses		
REC 5310	Philosophical Foundations of Recreation & Leisure Services	3
REC 5340	Social Psychology of Recreation and Leisure	3
REC 5350	Legal and Ethical Issues in Recreation and Leisure Services	3
REC 5380	Administering Leisure Delivery Systems	3
Total Hours		12

College of Fine Arts and Communication

Dean
John Fleming, Ph.D.
Old Main Building Room 112
Telephone: 512.245.2308 Fax: 512.245.8386
http://www.finearts.txstate.edu/

Associate Dean
Laurie H. Fluker, Ph.D.
Associate Dean
Joey Martin, D.M.A.

Department Chairs/School Directors
Art and Design–Michael L. Niblett, M.F.A.
Communication Studies–C. Erik Timmerman, Ph.D.
Journalism and Mass Communication–Judith B. Oskam, Ed.D.
Music–Thomas S. Clark, D.M.A.
Theatre and Dance–Debbie R. Alley, M.F.A.

School of Art and Design

Joann Cole Mitte Building Room 2112
T: 512.245.2611 F: 512.245.7969
http://www.finearts.txstate.edu/Art/art.html

The ever-accelerating advance of technology is bringing down borders and transforming our world into a global community—a diverse community in need of a common language. Art has always been an influential voice, and today the potential for the communicative power of art is greater than ever. Today's world needs the visual arts.

At Texas State, we strive to educate our students to not only master traditional media and skills of art and design, but also to think, research and problem-solve. This rich combination approach provides a strong foundation for mastery and equips students to communicate a personal vision or a client's vision. The faculty of the School of Art and Design aim for our graduates not only to make significant contributions to the world of art and design but also to take leadership roles within their communities.

Our facilities provide students with state of the art resources. This, coupled with the excellence of our nationally and internationally recognized faculty, allows us to offer our students outstanding academic curricula and a broad scope of professional expertise.

Master of Fine Arts (M.F.A.)

- Major in Communication Design (p. 1631)

Master of Fine Arts (M.F.A.) Major in Communication Design

Major Program

The Master of Fine Arts (M.F.A.) degree with a major in Communication Design is the terminal degree in the discipline. The curriculum is designed to provide advanced study in the areas of corporate advertising art direction, graphic design, and digital media design.

The graduate program provides students with the knowledge and expertise to attain the following: exploration of advanced problem-solving methodologies, updating technological advancement relating to communication design, examining historical events, theoretical constructs within communication design, and preparation for a career teaching in higher education.

Students will have the opportunity to complete a portion of the degree by the means of online instruction, extended weekend seminars, evening courses, blended (mix of online and face-to-face), and directed study courses.

Communication Design Fitness Statement

Program Standards

Students enrolled in the Communication Design B.F.A. or M.F.A. program must maintain high scholastic standards and develop a mastery of the knowledge and methods of their respective discipline. Students are expected to demonstrate emotional and mental fitness in their interactions with others, use skills and methods that are generally accepted in the profession, and conform to the code of ethics of their respective discipline, and the university's honor code. A student's acceptance in any program does not guarantee the student's fitness to remain in that program. The faculty is responsible for verifying that only those students who continue to meet program standards are allowed to continue in any program.

Evaluation of Student Fitness and Performance

Members of the faculty, using their professional judgments, evaluate student fitness and performance continuously. The criteria used by the faculty to make such judgments include instructors' observations of student performance in class or in activities related to courses. Students

who are not making satisfactory progress or who are not meeting program standards should consider withdrawing from the program.

In this context, the term "satisfactory progress" refers to an academic judgment made regarding the student's fitness and performance. It is a judgment that the student has failed to meet program standards rather than a judgment made on the basis of the student's violation of valid rules of conduct. Disciplinary matters are referred to Student Justice.

Student Review Process

1. When a faculty member believes that a student is not making satisfactory progress or meeting program standards, they will discuss the situation with the student.
2. When the faculty member believes that the student's performance cannot improve to acceptable standards, the faculty member will refer the student to the Communication Design Program Standards Committee. The Committee consists of three Communication Design faculty members appointed by the program Coordinator in consultation with the school's senior faculty.
3. The Committee will notify the student of the reasons that he or she is not making satisfactory progress or meeting program standards. The student will be given an opportunity to meet with the Committee to respond and to present information and witnesses to the Committee. The Committee will also meet with the faculty member who referred the student.
4. After considering the matter, and within ten working days of meeting with the student, the Committee will report its decision to the student and the school Director, stating that the student should either remain in the program, or leave the program. The Committee may make other decisions, such as placing restrictions or conditions on the student's continuance in the program. Within ten working days of receiving the Committee's decision, the student will notify the school Director of the student's acceptance or rejection of the Committee's decision. If the student rejects the Committee's decision, he or she may appeal directly to the school Director.
5. Within ten working days of receiving the student's appeal, the Director will make a decision as to the student's continued presence in the program. Before making the decision, the Director will meet with the student. However, the Director need not meet with the student before making a decision if the student was given a reasonable opportunity to meet, and the student either failed or refused to meet. The Director will notify the student of the decision.
6. If the student is dissatisfied with the Director's decision, he or she may appeal to the Dean of The College of Fine Arts and Communications. However, in order for the Dean to consider an appeal, the student must submit a written notice of appeal to the Director and the Dean within ten working days of receiving the Director's decision. The Dean will consider the matter based on information compiled by the Director and notify the student of the decision within ten working days of the Dean's receipt of the appeal from the Director. The Dean may meet with the student and give the student an opportunity to address the issues. The Dean's decision is final.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in communication design, advertising art direction and design, digital media design, graphic design, illustration or related field from a regionally accredited university (see Requirements tab)
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- academic and professional statement of purpose (300-500 words). Students will be evaluated on:
  - written communication skills
  - how the student's goals align with offered courses
  - the student's past academic and professional experiences
  - awarded local, regional, national and/or international design projects
- online portfolio (professional and/or student) showcasing at least 20 works in communication design. Each sample must be clearly identified with communicative message or project mission, media, and publishing information. Students should read additional information about evaluation criteria.
- resume/CV
- three letters of recommendation from persons capable of evaluating the student's academic and professional ability

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Fine Arts (M.F.A.) degree with a major in Communication Design requires 60 semester credit hours. In addition to the following required credit hours, the degree requires a Mid-Program Portfolio Review. The review will occur after students successfully complete 30 credit hours. The graduate advisor and select M.F.A. faculty will assess each Mid-Term Portfolio component. Passing Mid-Program Portfolio Review will allow the student to continue with their graduate study. The student

with an unsatisfactory Mid-Program Portfolio Review will be allowed to make portfolio work revisions and resubmit (one resubmission only) the portfolio work for reassessment (one time).

This program offers a leveling program on a case-by-case basis to students who submit strong application materials but lack some communication design skills. Leveling students are conditionally accepted into the M.F.A. program to take four leveling courses, two in the fall and two in the spring, with a "B" or better. Leveling courses do not earn credit towards the M.F.A. degree in communication design.

Course Requirements

Code	Title	Hours
Required Courses		
ARTC 5340	Contemporary Issues and Criticism	3
ARTC 5341	Modernism and Design	3
ARTC 5342	Postmodernism and Typography	3
ARTC 5343	Communication Design Seminar	3
ARTC 5370	Professional Practice (Taken twice for credit)	6
Electives		
Choose 30 hours from the following:		30
ARTC 5310	Art Direction	
ARTC 5320	Web Design	
ARTC 5321	Digital Imaging	
ARTC 5322	Word and Image	
ARTC 5330	Typography	
ARTC 5331	Corporate Identity Systems	
ARTC 5332	Corporate Marketing Materials	
ARTC 5333	The Experimental Book	
ARTC 5350	Special Problems in Communication Design	
ARTC 5360C	Environmental Graphic Design Systems	
ARTC 5360D	Typeface Design	
ARTC 5360E	Sustainable Packaging Design	
ARTC 5360G	Interactive Design	
ARTC 5360H	Mobile and Social Media	
ARTC 5360I	Editorial Design	
ARTC 5360J	International Perspective in Typography	
ARTC 5360K	Data Visualization	
ARTC 5360L	User Experience Design	
ARTC 5360M	Design for Social Impact	
ARTC 5360N	Alternative Printing Methods	
ARTC 5360O	Kinetic Typography	
ARTC 5360P	International Design Student Synergy Project	
ARTC 5360Q	Experience Design	
Free Electives		
Choose 6 hours of advisor-approved electives		6
Thesis		
ARTC 5399A	Thesis	3
Choose a minimum 3 hours from the following:		3
ARTC 5199B	Thesis	
ARTC 5299B	Thesis	
ARTC 5399B	Thesis	
ARTC 5599B	Thesis	
ARTC 5999B	Thesis	
Total Hours		60

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision

is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Art and Design: ARTC (p. 1634), ARTH (p. 1637), ARTS (p. 1637), ARTT (p. 1637)

Courses Offered

Communication Design (ARTC)

ARTC 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ARTC 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ARTC 5300. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. It will provide in-service training and evaluations of instructional philosophies, techniques and responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ARTC 5301. Communication Design Foundations.
This course may be taken only to fulfill communication design background. Students will acquire knowledge and graphic design skills necessary for advanced studies. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ARTC 5310. Art Direction.
Advanced in-depth instruction involving conceptual principles, design, copy strategies, and branding methods in print, broadcast, and e-commerce advertising art direction and design. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5313. Communication Design Advanced Problems.
An independent study in communication design, which requires students to pursue complex design problems. Goals and objectives will be outlined in a written format. May be repeated with different emphasis for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTC 5320. Web Design.
Students will research, create, and produce advanced online products for Internet. Emphasis is placed on information architecture, interface design, and navigation constructs in order to produce unique online communications. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5321. Digital Imaging.
Exploration and experimental usage of digital black and white and color imagery utilizing non-traditional approaches to image making. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5322. Word and Image.
Exploration and experimental usage of the written word integrated with visual forms by using digital and traditional photographic, illustrated, and graphic media. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5330. Typography.
This course examines the traditional and experimental advanced usage of type and its relationship to the symbolic or communicative message. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5331. Corporate Identity Systems.
Students explore complex corporate and institutional identity systems. Concept, design, program continuity, and branding in the marketplace will be emphasized. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5332. Corporate Marketing Materials.
This course will explore advanced development of typographic elements, layout grid constructs, photo-imagery, and illustration for publication of corporate marketing materials. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5333. The Experimental Book.
Students explore the experimental printed book including concept, design, and unique production such as unique binding methods. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5340. Contemporary Issues and Criticism.
This course examines emerging issues in graphic design and design criticism, primarily from the turn of the 21st century to the present. Students will learn to analyze and critique graphic design, and will produce a work of critical writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5341. Modernism and Design.
This course explores the modernist movement in design, as it emerged in Europe and America in the early twentieth century. Topics include: visual cultural theory, the origins of modernism, Dada, Constructivism, DeStijl, the Bauhaus, and American modernism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5342. Postmodernism and Typography.
This course explores the relationship between form and content through the lens of graphic design and typography from the 1960s through 1990s, with a focus on postmodernism. Topics include: new wave and experimental typography, design authorship, appropriation, deconstruction, narrative structures, and new media.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5343. Communication Design Seminar.
This course examines communication design research methods, modes of practice, and models of the creative process. Students will engage in individual research inquiries, in order to develop the topic for their master's thesis in Communication Design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5350. Special Problems in Communication Design.
An independent study requiring complex problem-solving in communication design. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5360C. Environmental Graphic Design Systems.
This course will explore complex corporate, consumer, and institutional environmental systems. Concept, design, program continuity, and environmental graphic design systems (EGDS) in the marketplace will be emphasized. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360D. Typeface Design.
This course explores the detailed anatomy of typefaces in order to design custom typefaces through various applications. Students with an advanced knowledge of typography will research detailed type anatomy as well as historical and cultural typographic constructs. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360E. Sustainable Packaging Design.
Students will explore the role of sustainable package design in context to meeting the requirements of clients and consumers in the global marketplace. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360F. Communication Design Business Strategies.
In this course, the student will be exposed to the principles of project, studio, marketing, and business development management as it relates to the business operations of a communication design studio. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360G. Interactive Design.
This course explores the concept of interactivity in all its form, from the digital to the physical as it relates to communication design. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360H. Mobile and Social Media.
In this course, the student explores the implications of social networking and mobile communications in contemporary communication design. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360I. Editorial Design.
This course develops typographic skills pertaining to page layout through the use of functional and aesthetic type and its application within the digital environment. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360J. International Perspective in Typography.
This course studies the international perspectives of typography. This course requires a field trip abroad and will conclude with one extensive communication design assessment based upon the field trip experience. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360K. Data Visualization.
This course explores methods of combining visual aesthetics with real data to create meaningful and at times complex visualizations. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360L. User Experience Design.
This course explores advanced concepts in user-centered mobile applications, Web site, and operating system interface design. Students will solve design problems that take into account a holistic view of the user and how they interact with software. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360M. Design for Social Impact.
This course will provide a platform to explore the ways that design processes can be applied in order to enable positive social change. The course reconsiders the role of the designer in the context of the social sector. Repeatable up to 3 times when the area(s) of emphasis change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360N. Alternative Printing Methods.
This course will explore hands-on printing methods for designers. Letterpress, screen-printing and other alternative printing methods will be explored to visually express design concepts. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360O. Kinetic Typography.
Students will study the creation of moving typography as an extension of typography and animation. The history and development of typography and motion graphics in art will be examined. Students will engage in innovative development of kinetic typography using current digital technology combined with experimental techniques. Repeatable up to 3 times for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360P. International Design Student Synergy Project.
Students will collaborate with students from the MFA program at the Jade Hochschule in Wilhelmshaven. This course requires a one-week stay in Wilhelmshaven, Germany. It will conclude with one extensive communication design project that showcases their research done abroad. Students will research German Design values while on location and discuss with German design students, while also presenting American design values. Restricted to students enrolled in the MFA Communication Design major.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360Q. Experience Design.
Students will learn how the evolution of computing information has changed the role of technology and experience designers. Students will generate a variety of Web and Mobile applications using Artificial Intelligence as the core technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360R. Entrepreneurial Design.
Students will focus on the interconnection between entrepreneurial thinking and innovation. They will develop innovation-driven venture skills and will gain open and critical thinking skills with a focus on community, understanding of calculated risk and the initiative to follow-through.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360S. Design Futures.
Students will translate technological and socioeconomic issues into the near future. They will explore the role of design in solving or coping with the consequences of today's actions. The course will prepare students to think critically about the role of design in the evolution of humankind.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360T. Design for Motion.
This course introduces theories, techniques, and practices of motion graphics for students with a strong foundation in communication design. This course focuses on the successful integration of images, typography, and sound over time to create nuanced and complex messages. Experimentation, research, critical analysis, and concept development is emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5370. Professional Practice.
Students are placed in regional and national advertising agencies, digital media studios, or graphic design firms to gain professional practice experience. Repeatable once for credit.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5399A. Thesis.
The course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in ARTC 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ARTC 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ARTC 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ARTC 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Art History (ARTH)

ARTH 5302. Special Problems Advanced.
An independent study course involved with art history, aesthetics, and criticism. The emphasis of the course in on scholarship, research, and writing. May be repeated with different emphasis for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Studio Art (ARTS)

ARTS 5301. 2-D Advanced Special Problems.
An independent study in 2-D studio art, which requires a student to pursue a personal conceptual direction and to develop the technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Permission of instructor required to enroll.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTS 5302. 3-D Advanced Special Problems.
An independent study in studio art, which requires a student to pursue a personal conceptual direction and to develop the technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Permission of instructor required to enroll.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

Art Theory & Practice (ARTT)

ARTT 5376. Research in Art Theory and Practice for Children.
Individualized study focusing on art skill and knowledge development related to children's art learning experiences. May be repeated with different emphasis for additional credit. Teaching experience or admission to graduate degree program and permission of instructor required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTT 5377. Research in Art Theory and Practice for Adolescents and Adults.
Individualized study focusing on art skill and knowledge development related to adolescent and/or adult art experiences. May be repeated with different emphasis for additional credit. Teaching experience or admission to graduate degree and permission of instructor required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Department of Communication Studies

Centennial Hall Room 205
Telephone: 512-245-2165 Fax: 512-245-3138
http://www.finearts.txstate.edu/commstudies

Communication studies students are skilled researchers, writers, speakers, problem-solvers, and leaders. The faculty and staff in the Department of Communication Studies are experts at helping students understand the vital connections between research and teaching inside and outside the classroom. Our faculty members are active in national and international associations, publish their research in books, professional and academic journals, create podcasts, write blogs as well as win numerous awards for teaching excellence.

Our international reputation comes from several collaborative research projects, faculty and student exchanges, and faculty visiting scholar appointments at Russian universities including Moscow State University, Pyatigorsk State Linguistic University, and The Cultural Institute of St. Petersburg, Russia. We also have collaborative relationships with the University of Amsterdam, Netherlands; Oxford University, England; Cambridge University, England; University of Siena, Italy; and the University of Florence, Italy.

Facilities

The department is located in Centennial Hall which offers outstanding resources including faculty offices, several graduate assistant office suites, computer labs conference rooms, classrooms equipped with comprehensive instructional technologies and a state of the art teaching theater. The department also has a newly renovated research lab which includes computer technology and data collection tools.

Financial Assistance

Graduate Assistantships offered at competitive stipends with waiver of out-of-state tuition are available to qualified applicants. Assistantship responsibilities include teaching communication fundamentals, serving as assistant director of forensics, or assisting faculty with research. Most assistantships are assigned in March for the fall term, but assistantships may be available for students who wish to begin the graduate program in the spring or summer.

The department offers limited scholarships for currently enrolled students. Also, the College of Fine Arts and Communication and The Graduate College provide a variety of scholarships for new and returning graduate students. See the various web sites for details.

Master of Arts (M.A.)

- Major in Communication Studies (Non-thesis Option) (p. 1638)
- Major in Communication Studies (Thesis Option) (p. 1644)

Minor

- Communication Studies (p. 1651)

Certificate Program

- Corporate Communication and Training (p. 1651)

Master of Arts (M.A.) Major in Communication Studies (Non-thesis Option)

Major Program

The Master of Arts (M.A.) degree with a major in Communication Studies comprehensive, non-thesis program provides the greatest flexibility and breadth of understanding. The department assigns all communication studies majors to the comprehensive program with a resource area. After the first term of course work, the student may request the thesis option or select a minor.

Students may choose to finish either program with 6 or more hours of a resource area or a minor. Students consult with the communication studies graduate advisor to select the courses in a resource area, but students must consult and obtain the approval of graduate advisors in other departments to complete a minor. Minors often involve more than 6 hours of course work.

Students may select communication studies courses that develop expertise in one or more of the following resource areas: organizational communication, rhetorical studies, communication training and development, health communication, interpersonal communication, or instructional communication. Students also may select courses from related disciplines, such as mass communication, education, English, psychology, sociology, and business. The department encourages all students to explore courses that provide a breadth of knowledge about human communication.

Organizational Communication

Students primarily interested in organizational communication investigate the function, flow, and structure of communication in organizations to enhance organizational effectiveness.

Rhetorical Studies

Students interested in rhetorical studies investigate how symbols have the power to shape perceptions and alter attitudes. Students may select from courses that offer a broad overview of rhetorical theory and rhetorical methods.

Communication Training and Development

Students who seek careers as communication trainers or human resource development specialists select from several courses that provide information and prescribe strategies to enhance communication performance.

Health Communication

Students who focus on health communication investigate the essential role of communication in healthcare through a variety of courses that explore such topics as barriers to patient and provider interactions, health communication leadership, health disparities, healthcare training and assessment, health in relationships and healthcare team effectiveness.

Interpersonal Communication

Students who emphasize interpersonal communication take courses that focus on the role of communication in the development and maintenance of human relationships. *Seminar in Interpersonal Communication* provides a comprehensive review of theory and research that explores interpersonal relationships.

Instructional Communication

Students who wish to pursue careers in teaching at the community college level will take courses that will prepare them for a career in education including communication curricula typically found in community colleges (interpersonal communication, small group communication, public speaking, and communication fundamentals). In addition, students may select courses from our outstanding College of Education.

Facilities

The department is located in the completely renovated Centennial Hall which offers outstanding resources including faculty offices, several graduate assistant office suites, computer labs, conference rooms, classrooms equipped with comprehensive instructional technologies, and a state of the art teaching theatre. The department also has a newly renovated research lab with computer technology and data collection tools.

Faculty

The department's faculty members are active in state, regional, national, and international associations and widely publish their research in books, professional and academic journals, podcasts, and blogs.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.2 GPA (or 3.0 GPA effective Spring 2020) in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- resume/VITA (effective Spring 2020)
- statement of purpose (500-700 words) addressing the following:
  - which area(s) in the field of communication studies hold the most interest and why
  - rationale for selecting the M.A. in communication studies at Texas State
  - readiness for graduate study, i.e., how the academic background has prepared the student for graduate study in the Department of Communication Studies at Texas State
  - career goals/plans, including how the student will apply the degree post-graduation
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A) degree with a major in Communication Studies requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
COMM 5309	Proseminar in Communication Research Methods	3
Choose 3 hours from the following:		3
COMM 5301	Empirical Methods in Communication Research	
COMM 5302	Rhetorical Methods	
Electives		
Choose 24 hours from the following in consultation with graduate advisor:		24
COMM 5303	Qualitative Research Methods in Communication	
COMM 5304	Work/Life Intersections	
COMM 5307	The Dark Side of Communication	
COMM 5312	Intercultural Communication	
COMM 5313	Relational Communication	
COMM 5314	Family Communication	
COMM 5315	Directed Research in Communication Studies	
COMM 5318	Interpersonal Communication	
COMM 5319	Organizational Communication	
COMM 5321	Communication Assessment	
COMM 5324	Seminar in Instructional Communication	
COMM 5325	Seminar in Human Communication Theory	
COMM 5327	Contemporary Rhetorical Theory	
COMM 5329B	Communication and Negotiation	
COMM 5329D	Managing Communication Technologies in the Workplace	
COMM 5329E	Communication and Organizational Culture	

COMM 5330	Nonverbal Communication	
COMM 5331	Persuasive Communication	
COMM 5332	Communication and Technology	
COMM 5333	Health Communication	
COMM 5342	Historical Rhetoric and Social Influence	
COMM 5343	Contemporary Rhetoric and Social Influence	
COMM 5344	American Speeches	
COMM 5345	Political Communication	
COMM 5347	Small Group Communication	
COMM 5350	Applied Communication Studies	
COMM 5355	Media Criticism	
COMM 5356	Gender and Communication	
COMM 5371	Communication Training and Development	
COMM 5372	Organizational Communication Analysis and Development	
COMM 5374	Organizational Rhetoric	
COMM 5395	Capstone Research Project	
Resource Area		
Choose a 6-hour resource area in consultation with the graduate advisor		6
Total Hours		36

Thesis or a Comprehensive Examination Committee

A student must be in good academic standing to apply for a thesis or comprehensive exam committee. The student's cumulative GPA in all their graduate classes and in their communication studies classes must be 3.0 or higher. Also, the student should not have any incomplete grades in their classes.

Students must submit departmental forms to the director of graduate studies by November 1 or April 1. Students applying for a thesis must make the request in the term in which they will complete 15 hours of course work. This is generally during the second term of full-time graduate course work since students must complete a thesis over two or more terms. Students applying for a comprehensive exam committee must make the request in the term in which they will complete 27 hours of course work. This is the term before they anticipate graduating. The graduate faculty reviews all requests.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Doctoral and Master's level courses in Communication Studies: COMM

Courses Offered

Communication Studies (COMM)

COMM 5100. Teaching Communication Studies.
An introduction to curriculum, instruction, and assessment methods in the teaching of Communication Studies. Provides an orientation as well as regular in-service training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

COMM 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5301. Empirical Methods in Communication Research.
An examination of empirical research methods in speech communication. Measurement procedures, statistics, experimental design, and descriptive research methods will be investigated as well as a consideration of scholarly writing and library research. Required of communication studies majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5302. Rhetorical Methods.
A study of approaches to the analysis of public discourse directed toward establishing workable perspectives for students conducting rhetorical analysis. Required of communication studies majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5303. Qualitative Research Methods in Communication.
This course provides an introduction to qualitative methods of inquiry in communication. Students will learn and apply principles of qualitative research designs in data collection, analysis, and integration of narrative and non-numeric data in communication research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5304. Work/Life Intersections.
This course examines those situations where work and life intersect, and how humans use communication to create, negotiate, and manage work/life intersections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5307. The Dark Side of Communication.
This graduate seminar will examine aversive and problematic interactions in interpersonal, organizational, health, and instructional settings. Sample topics include (un)fairness, backstabbing/betrayal, breaking up, end of life communication, deception, teacher misbehaviors, and bullying. Students will take a research-based approach to understanding these undesirable, yet common, messages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5309. Proseminar in Communication Research Methods.
The goal of this course is to provide students with an overview of the methods used in the discipline of Communication Studies. To that end, we will begin by introducing students to the history of the discipline followed by overviews of rhetorical, quantitative, and qualitative research methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5310. Methods of Teaching Communication Studies.
A study of the methods of the teaching speech communication principles and skills for secondary school teachers. Prerequisite: Admission to teacher certification program or permission of department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5312. Intercultural Communication.
This course examines how culture evolves and is maintained through communicative systems of meaning. The many ways in which language, culture, and communication interact with, influence, and manifest in each other in everyday experience are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5313. Relational Communication.
This course provides a comprehensive overview of relational communication theories and research. Students engage with theory and research frameworks to think critically about relational communication perspectives and contributions, understand the strengths and limitations of those perspectives, and learn to contribute to new knowledge of relational communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5314. Family Communication.
This course explores the communication processes associated with families. Topic areas for exploration will include: storytelling, intimacy, conflict, rituals, religion, health-illness, and death. The goal is to further understand interdisciplinary research and theory related to family interactions embedded in larger webs of social, cultural, and generational relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5315. Directed Research in Communication Studies.
A course to be offered to certain graduate students to allow for independent study in a specific area for which a regular course is not available. May be repeated with different emphasis for additional credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Dual Enrollment Permitted
Grade Mode: Standard Letter

COMM 5318. Interpersonal Communication.
A review of current research in the area. Includes an examination of contemporary theories and research methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5319. Organizational Communication.
Examines organizational communication theory and research in applied organizational contexts. Provides communication professionals with an analytical framework for improving communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5320. Directing Communication Studies and Theatre Activities.
Designed to assist any teacher, whether of speech and drama or some other subject, in directing speech and drama activities. During the course, those in the class will actually direct debate, plays, declamation, and other activities. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 5321. Communication Assessment.
An in-depth study of communication assessment techniques employed in the field of oral communication. Statistical, experimental, and observational methods of assessing oral communication in interpersonal, group, and classroom settings are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5324. Seminar in Instructional Communication.
Examines communication instruction theory and research and their practical applications in various instructional settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5325. Seminar in Human Communication Theory.
This course is an examination of theories of human communication contexts including interpersonal, family, intercultural, organizational, and instructional communication. The course may be repeated with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 5327. Contemporary Rhetorical Theory.
A survey of the major contemporary theoretical perspectives and conceptual debates in rhetoric. Focuses upon critical interpretations and applications of theory in addition to study of primary theorists' writings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5329B. Communication and Negotiation.
Examines theory, research, and practice of conflict management and negotiation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329D. Managing Communication Technologies in the Workplace.
Examines how communication technologies both help and hinder workplace communication. Examines theory, practical applications, key scholars and empirical research. Heavy focus on using case studies that provide context for learning how to thrive in the contemporary organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329E. Communication and Organizational Culture.
A seminar about communication and organizational culture. Discussion and materials explore communication practices that enable people to identify themselves as members of an organization and bind themselves to each other. Students will have the opportunity to analyze an organization. Prerequisite: COMM 5319 or consent of instructor is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329G. Communication and Emotion.
This course examines various ways in which interpersonal communication and emotion coexist and impact one another. The goal is to provide opportunities to learn about emotional experience and expression both in an abstract way (class readings and discussions) and in a more concrete fashion (conducting your own analyses and research).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329H. Work, Identity, and Difference.
Work is influential in our social interactions, our understanding of our own and others' identities, and our navigations of difference. We will explore the communication challenges of contemporary work in the United States through researching the history of work, excessive work, and communication construction of difference at work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329I. Relational Health Communication.
This course reviews the intersection of interpersonal and health communication theory, highlighting the impact of social involvement and communication processes on health outcomes, as well as the application of health communication theories in close relationship contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329J. LGBTQ+ Rhetoric and Advocacy.
This course explores historical and contemporary developments in of LGBTQ+ rhetoric and advocacy. In doing so, the course also examines how approaches to the study of LGBTQ+ rhetoric and advocacy, in terms of theory and methodology, has changed and shifted over time.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329K. End-of-Life Communication.
This course will examine communication at the end-of-life (EOL). Students will discuss how people approach the EOL, and the end of relationships, through communication. Course material will highlight challenges and current issues surrounding EOL communication between terminally ill individuals and their family, friends, and medical professionals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5330. Nonverbal Communication.
A review of current theory and research of nonverbal communication behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5331. Persuasive Communication.
An analysis of theories of persuasion. Emphasis placed on understanding established theories of attitude formation and change, contemporary persuasion, research, and the application of persuasion theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5332. Communication and Technology.
Focuses on research and theories about the relationships between technology and communication behavior in interpersonal, group, and organization contexts. Also considers relationships between communication, technology, and culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5333. Health Communication.
This course provides an overview of health communication theory and research to explore how interpersonal, organizational, and cultural messages shape views of illness and the health care system. Topics will include health literacy, health risk messages, e-health, health disparities, and physician-patient interactions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5342. Historical Rhetoric and Social Influence.
This course is an analytical study of speeches, speakers, groups, movements, and rhetorical strategies in history. Includes emphasis on the following topics: American Public Address, Rhetoric of Woman's Suffrage, and other historic topics of interest. This course may be repeated with different emphasis or topic for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 5343. Contemporary Rhetoric and Social Influence.
The analytical study of speeches, speakers, groups, movements, and rhetorical strategies in contemporary society. Includes emphasis on the following topics: rhetoric and culture, rhetorical movements, and rhetorical genres. May be repeated with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 5344. American Speeches.
This course is a survey of American public address. The class will study significant and representative speeches from different periods of American history. This class will examine what the study of American public address can teach us about history, communication, and social influence.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5345. Political Communication.
Study of political communication in contemporary times. Course will cover the rhetoric of candidates and politicians, the structure of political campaigns, and campaign practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5347. Small Group Communication.
An examination of theories and research evidence about communication in the small group.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5350. Applied Communication Studies.
An application of communication principles and skills. Topics covered may include organizational, interpersonal, nonverbal and group communication, conflict management, communication technology, and persuasion analysis. May not be taken for credit by students pursuing M.A. degree in Communication. May be repeated for additional credit with department approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5355. Media Criticism.
A rhetorical analysis of media from a Contemporary Cultural Studies perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5356. Gender and Communication.
An examination of research and theories about gender communication, relationships, and qualitative research methods. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

COMM 5360. Introduction to Empirical Research in Communication.
Introduction to Communication Studies as a behavioral science. Students will learn principles of the scientific method; explore quantitative and qualitative methods; investigate variables across the field (persuasion, interpersonal, organizational, non-verbal, intercultural, and instructional); and analyze and apply research in Communication. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

COMM 5362A. Organizational Communication.
Introduction to communication concepts in the context of organizations. Students will learn how communication influences contemporary organizations through familiarity with contemporary research. Students will be prepared to understand, investigate, and manage communication processes in organizations. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

COMM 5362B. Organizational Rhetoric.
Introduction to the study of organizational rhetoric designed for internal and external audiences. Students will analyze and create messages based in theories of organizational rhetoric. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

COMM 5363. Introduction to Rhetorical Research in Communication.
Introduction to the rhetorical tradition in Communication, with a focus on methods of analysis of discourse. Students will learn the significance of rhetorical analysis; explore a variety of critical methodologies; perform an analysis of discourse; and report findings in writing. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

COMM 5371. Communication Training and Development.
This course examines the theory and practice of developing and presenting communication training sessions for organizations. Prerequisite: COMM 5319 or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5372. Organizational Communication Analysis and Development.
Examines communication problems in organizations and describes effective interventions. Provides communication managers and consultants with a broad range of tools and procedures for diagnosing and changing communication. Prerequisite: COMM 5319 or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5374. Organizational Rhetoric.
This course will include an examination of how organizations use symbols to accomplish a variety of functions for internal and external audiences, as well as exploring the concept of organization as rhetorical argument.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5390. Communication Internship.
Students acquire on-the-job experience in a position with an organization using skills and knowledge acquired through graduate coursework; requires written reports and other projects as specified by the supervising instructor. Prerequisite: Departmental approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5395. Capstone Research Project.
Under the direction of a graduate faculty member, students develop and submit a research or applied project using knowledge and skills acquired through graduate coursework. Required for students not pursuing the thesis path. May be taken only once for degree credit. Prerequisite: Permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Communication Studies 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Communication Studies (Thesis Option)

Major Program

The Master of Arts (M.A.) degree with a major in Communication Studies comprehensive, non-thesis program provides the greatest flexibility and breadth of understanding. The department assigns all communication studies majors to the comprehensive program with a resource area. After the first term of course work, the student may request the thesis option or select a minor.

Students may choose to finish either program with 6 or more hours of a resource area or a minor. Students consult with the communication studies graduate advisor to select the courses in a resource area, but students must consult and obtain the approval of graduate advisors in other departments to complete a minor. Minors often involve more than 6 hours of course work.

Students may select communication studies courses that develop expertise in one or more of the following resource areas: organizational communication, rhetorical studies, communication training and development, health communication, interpersonal communication, or instructional communication. Students also may select courses from related disciplines, such as mass communication, education, English, psychology, sociology, and business. The department encourages all students to explore courses that provide a breadth of knowledge about human communication.

Organizational Communication

Students primarily interested in organizational communication investigate the function, flow, and structure of communication in organizations to enhance organizational effectiveness.

Rhetorical Studies

Students interested in rhetorical studies investigate how symbols have the power to shape perceptions and alter attitudes. Students may select from courses that offer a broad overview of rhetorical theory and rhetorical methods.

Communication Training and Development

Students who seek careers as communication trainers or human resource development specialists select from several courses that provide information and prescribe strategies to enhance communication performance.

Health Communication

Students who focus on health communication investigate the essential role of communication in healthcare through a variety of courses that explore such topics as barriers to patient and provider interactions, health

communication leadership, health disparities, healthcare training and assessment, health in relationships and healthcare team effectiveness.

Interpersonal Communication

Students who emphasize interpersonal communication take courses that focus on the role of communication in the development and maintenance of human relationships. *Seminar in Interpersonal Communication* provides a comprehensive review of theory and research that explores interpersonal relationships.

Instructional Communication

Students who wish to pursue careers in teaching at the community college level will take courses that will prepare them for a career in education including communication curricula typically found in community colleges (interpersonal communication, small group communication, public speaking, and communication fundamentals). In addition, students may select courses from our outstanding College of Education.

Facilities

The department is located in the completely renovated Centennial Hall which offers outstanding resources including faculty offices, several graduate assistant office suites, computer labs, conference rooms, classrooms equipped with comprehensive instructional technologies, and a state of the art teaching theatre. The department also has a newly renovated research lab with computer technology and data collection tools.

Faculty

The department's faculty members are active in state, regional, national, and international associations and widely publish their research in books, professional and academic journals, podcasts, and blogs.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.2 GPA (or 3.0 GPA effective Spring 2020) in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- resume/CV (effective Spring 2020)
- statement of purpose (500-700 words) addressing the following:
  - which area(s) in the field of communication studies hold the most interest and why
  - rationale for selecting the M.A. in communication studies at Texas State
  - readiness for graduate study, i.e., how the academic background has prepared the student for graduate study in the Department of Communication Studies at Texas State
  - career goals/plans, including how the student will apply the degree post-graduation
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall and minimum individual module scores of
  - 19 listening
  - 19 reading
  - 19 speaking
  - 18 writing
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A) degree with a major in Communication Studies requires 30 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
COMM 5309	Proseminar in Communication Research Methods	3
Choose 3 hours from the following:		3
COMM 5301	Empirical Methods in Communication Research	
COMM 5302	Rhetorical Methods	
Electives		
Choose 12 hours from the following in consultation with the graduate advisor:		12
COMM 5303	Qualitative Research Methods in Communication	
COMM 5304	Work/Life Intersections	
COMM 5307	The Dark Side of Communication	
COMM 5312	Intercultural Communication	
COMM 5313	Relational Communication	
COMM 5314	Family Communication	
COMM 5315	Directed Research in Communication Studies	
COMM 5318	Interpersonal Communication	
COMM 5319	Organizational Communication	
COMM 5321	Communication Assessment	
COMM 5324	Seminar in Instructional Communication	
COMM 5325	Seminar in Human Communication Theory	
COMM 5327	Contemporary Rhetorical Theory	
COMM 5329B	Communication and Negotiation	

COMM 5329D	Managing Communication Technologies in the Workplace	
COMM 5329E	Communication and Organizational Culture	
COMM 5330	Nonverbal Communication	
COMM 5331	Persuasive Communication	
COMM 5332	Communication and Technology	
COMM 5333	Health Communication	
COMM 5342	Historical Rhetoric and Social Influence	
COMM 5343	Contemporary Rhetoric and Social Influence	
COMM 5344	American Speeches	
COMM 5345	Political Communication	
COMM 5347	Small Group Communication	
COMM 5350	Applied Communication Studies	
COMM 5355	Media Criticism	
COMM 5356	Gender and Communication	
COMM 5371	Communication Training and Development	
COMM 5372	Organizational Communication Analysis and Development	
COMM 5374	Organizational Rhetoric	
COMM 5395	Capstone Research Project	
Resource Area		
Choose a 6-hour resource area in consultation with the graduate advisor		6
Thesis		
COMM 5399A	Thesis	3
Select a minimum of 3 hours from the following		3
COMM 5199B	Thesis	
COMM 5299B	Thesis	
COMM 5399B	Thesis	
COMM 5599B	Thesis	
COMM 5999B	Thesis	
Total Hours		30

Thesis or a Comprehensive Examination Committee

A student must be in good academic standing to apply for a thesis or comprehensive exam committee. The student's cumulative GPA in all their graduate classes and in their communication studies classes must be 3.0 or higher. Also, the student should not have any incomplete grades in their classes.

Students must submit departmental forms to the director of graduate studies by November 1 or April 1. Students applying for a thesis must make the request in the term in which they will complete 15 hours of course work. This is generally during the second term of full-time graduate course work since students must complete a thesis over two or more terms. Students applying for a comprehensive exam committee must make the request in the term in which they will complete 27 hours of course work. This is the term before they anticipate graduating. The graduate faculty reviews all requests.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to

work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Doctoral and Master's level courses in Communication Studies: COMM

Courses Offered

Communication Studies (COMM)

COMM 5100. Teaching Communication Studies.
An introduction to curriculum, instruction, and assessment methods in the teaching of Communication Studies. Provides an orientation as well as regular in-service training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

COMM 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5301. Empirical Methods in Communication Research.
An examination of empirical research methods in speech communication. Measurement procedures, statistics, experimental design, and descriptive research methods will be investigated as well as a consideration of scholarly writing and library research. Required of communication studies majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5302. Rhetorical Methods.
A study of approaches to the analysis of public discourse directed toward establishing workable perspectives for students conducting rhetorical analysis. Required of communication studies majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5303. Qualitative Research Methods in Communication.
This course provides an introduction to qualitative methods of inquiry in communication. Students will learn and apply principles of qualitative research designs in data collection, analysis, and integration of narrative and non-numeric data in communication research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5304. Work/Life Intersections.
This course examines those situations where work and life intersect, and how humans use communication to create, negotiate, and manage work/life intersections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5307. The Dark Side of Communication.
This graduate seminar will examine aversive and problematic interactions in interpersonal, organizational, health, and instructional settings. Sample topics include (un)fairness, backstabbing/betrayal, breaking up, end of life communication, deception, teacher misbehaviors, and bullying. Students will take a research-based approach to understanding these undesirable, yet common, messages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5309. Proseminar in Communication Research Methods.
The goal of this course is to provide students with an overview of the methods used in the discipline of Communication Studies. To that end, we will begin by introducing students to the history of the discipline followed by overviews of rhetorical, quantitative, and qualitative research methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5310. Methods of Teaching Communication Studies.
A study of the methods of the teaching speech communication principles and skills for secondary school teachers. Prerequisite: Admission to teacher certification program or permission of department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5312. Intercultural Communication.
This course examines how culture evolves and is maintained through communicative systems of meaning. The many ways in which language, culture, and communication interact with, influence, and manifest in each other in everyday experience are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5313. Relational Communication.
This course provides a comprehensive overview of relational communication theories and research. Students engage with theory and research frameworks to think critically about relational communication perspectives and contributions, understand the strengths and limitations of those perspectives, and learn to contribute to new knowledge of relational communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5314. Family Communication.
This course explores the communication processes associated with families. Topic areas for exploration will include: storytelling, intimacy, conflict, rituals, religion, health-illness, and death. The goal is to further understand interdisciplinary research and theory related to family interactions embedded in larger webs of social, cultural, and generational relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5315. Directed Research in Communication Studies.
A course to be offered to certain graduate students to allow for independent study in a specific area for which a regular course is not available. May be repeated with different emphasis for additional credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Dual Enrollment Permitted
Grade Mode: Standard Letter

COMM 5318. Interpersonal Communication.
A review of current research in the area. Includes an examination of contemporary theories and research methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5319. Organizational Communication.
Examines organizational communication theory and research in applied organizational contexts. Provides communication professionals with an analytical framework for improving communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5320. Directing Communication Studies and Theatre Activities.
Designed to assist any teacher, whether of speech and drama or some other subject, in directing speech and drama activities. During the course, those in the class will actually direct debate, plays, declamation, and other activities. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 5321. Communication Assessment.
An in-depth study of communication assessment techniques employed in the field of oral communication. Statistical, experimental, and observational methods of assessing oral communication in interpersonal, group, and classroom settings are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5324. Seminar in Instructional Communication.
Examines communication instruction theory and research and their practical applications in various instructional settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5325. Seminar in Human Communication Theory.
This course is an examination of theories of human communication contexts including interpersonal, family, intercultural, organizational, and instructional communication. The course may be repeated with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 5327. Contemporary Rhetorical Theory.
A survey of the major contemporary theoretical perspectives and conceptual debates in rhetoric. Focuses upon critical interpretations and applications of theory in addition to study of primary theorists' writings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5329B. Communication and Negotiation.
Examines theory, research, and practice of conflict management and negotiation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329D. Managing Communication Technologies in the Workplace.
Examines how communication technologies both help and hinder workplace communication. Examines theory, practical applications, key scholars and empirical research. Heavy focus on using case studies that provide context for learning how to thrive in the contemporary organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329E. Communication and Organizational Culture.
A seminar about communication and organizational culture. Discussion and materials explore communication practices that enable people to identify themselves as members of an organization and bind themselves to each other. Students will have the opportunity to analyze an organization. Prerequisite: COMM 5319 or consent of instructor is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329G. Communication and Emotion.
This course examines various ways in which interpersonal communication and emotion coexist and impact one another. The goal is to provide opportunities to learn about emotional experience and expression both in an abstract way (class readings and discussions) and in a more concrete fashion (conducting your own analyses and research).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329H. Work, Identity, and Difference.
Work is influential in our social interactions, our understanding of our own and others' identities, and our navigations of difference. We will explore the communication challenges of contemporary work in the United States through researching the history of work, excessive work, and communication construction of difference at work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329I. Relational Health Communication.
This course reviews the intersection of interpersonal and health communication theory, highlighting the impact of social involvement and communication processes on health outcomes, as well as the application of health communication theories in close relationship contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329J. LGBTQ+ Rhetoric and Advocacy.
This course explores historical and contemporary developments in of LGBTQ+ rhetoric and advocacy. In doing so, the course also examines how approaches to the study of LGBTQ+ rhetoric and advocacy, in terms of theory and methodology, has changed and shifted over time.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329K. End-of-Life Communication.
This course will examine communication at the end-of-life (EOL). Students will discuss how people approach the EOL, and the end of relationships, through communication. Course material will highlight challenges and current issues surrounding EOL communication between terminally ill individuals and their family, friends, and medical professionals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5330. Nonverbal Communication.
A review of current theory and research of nonverbal communication behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5331. Persuasive Communication.
An analysis of theories of persuasion. Emphasis placed on understanding established theories of attitude formation and change, contemporary persuasion, research, and the application of persuasion theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5332. Communication and Technology.
Focuses on research and theories about the relationships between technology and communication behavior in interpersonal, group, and organization contexts. Also considers relationships between communication, technology, and culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5333. Health Communication.
This course provides an overview of health communication theory and research to explore how interpersonal, organizational, and cultural messages shape views of illness and the health care system. Topics will include health literacy, health risk messages, e-health, health disparities, and physician-patient interactions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5342. Historical Rhetoric and Social Influence.
This course is an analytical study of speeches, speakers, groups, movements, and rhetorical strategies in history. Includes emphasis on the following topics: American Public Address, Rhetoric of Woman's Suffrage, and other historic topics of interest. This course may be repeated with different emphasis or topic for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 5343. Contemporary Rhetoric and Social Influence.
The analytical study of speeches, speakers, groups, movements, and rhetorical strategies in contemporary society. Includes emphasis on the following topics: rhetoric and culture, rhetorical movements, and rhetorical genres. May be repeated with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 5344. American Speeches.
This course is a survey of American public address. The class will study significant and representative speeches from different periods of American history. This class will examine what the study of American public address can teach us about history, communication, and social influence.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5345. Political Communication.
Study of political communication in contemporary times. Course will cover the rhetoric of candidates and politicians, the structure of political campaigns, and campaign practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5347. Small Group Communication.
An examination of theories and research evidence about communication in the small group.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5350. Applied Communication Studies.
An application of communication principles and skills. Topics covered may include organizational, interpersonal, nonverbal and group communication, conflict management, communication technology, and persuasion analysis. May not be taken for credit by students pursuing M.A. degree in Communication. May be repeated for additional credit with department approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5355. Media Criticism.
A rhetorical analysis of media from a Contemporary Cultural Studies perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5356. Gender and Communication.
An examination of research and theories about gender communication, relationships, and qualitative research methods. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

COMM 5360. Introduction to Empirical Research in Communication.
Introduction to Communication Studies as a behavioral science. Students will learn principles of the scientific method; explore quantitative and qualitative methods; investigate variables across the field (persuasion, interpersonal, organizational, non-verbal, intercultural, and instructional); and analyze and apply research in Communication. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

COMM 5362A. Organizational Communication.
Introduction to communication concepts in the context of organizations. Students will learn how communication influences contemporary organizations through familiarity with contemporary research. Students will be prepared to understand, investigate, and manage communication processes in organizations. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

COMM 5362B. Organizational Rhetoric.
Introduction to the study of organizational rhetoric designed for internal and external audiences. Students will analyze and create messages based in theories of organizational rhetoric. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

COMM 5363. Introduction to Rhetorical Research in Communication.
Introduction to the rhetorical tradition in Communication, with a focus on methods of analysis of discourse. Students will learn the significance of rhetorical analysis; explore a variety of critical methodologies; perform an analysis of discourse; and report findings in writing. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

COMM 5371. Communication Training and Development.
This course examines the theory and practice of developing and presenting communication training sessions for organizations. Prerequisite: COMM 5319 or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5372. Organizational Communication Analysis and Development.
Examines communication problems in organizations and describes effective interventions. Provides communication managers and consultants with a broad range of tools and procedures for diagnosing and changing communication. Prerequisite: COMM 5319 or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5374. Organizational Rhetoric.
This course will include an examination of how organizations use symbols to accomplish a variety of functions for internal and external audiences, as well as exploring the concept of organization as rhetorical argument.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5390. Communication Internship.
Students acquire on-the-job experience in a position with an organization using skills and knowledge acquired through graduate coursework; requires written reports and other projects as specified by the supervising instructor. Prerequisite: Departmental approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5395. Capstone Research Project.
Under the direction of a graduate faculty member, students develop and submit a research or applied project using knowledge and skills acquired through graduate coursework. Required for students not pursuing the thesis path. May be taken only once for degree credit. Prerequisite: Permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Communication Studies 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Minor in Communication Studies

The graduate minor in Communication Studies requires 12 semester credit hours of advisor-approved COMM courses. A student who minors in Communication Studies should have completed at least 18 undergraduate hours of courses in communication studies (COMM). The department encourages communication studies minors to take courses from both rhetorical and behavioral perspectives to gain a broad perspective of the communication studies discipline. Students may take COMM courses as part of a resource or cognate area. Students who wish to take courses in communication studies that is not part of an approved minor should consult with the instructor of the course or the communication studies graduate advisor.

Certificate in Corporate Communication and Training

The nine-hour certificate program in Corporate Communication and Training is designed to provide foundational instruction in organizational communication, communication training, and human resource development and other related course work for individuals interested in corporate communication, training, and human resource development.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $20 nonrefundable application fee

  or

- $60 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.2 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- essay (maximum of 500 words) addressing the following: reason for seeking the certificate, academic background and preparation for course work in communication and/or experience as a trainer, plans after completion of the certificate and how it applies to future plans

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

If you do not meet the scores above, you may qualify for English-based conditional admission if you meet the minimum scores below:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Course Requirements

The certificate requires 9 hours consisting of two core courses augmented by one approved elective course in communication.

Code	Title	Hours
Required Courses		
COMM 5319	Organizational Communication	3
COMM 5371	Communication Training and Development	3
Select one of the following:		3
COMM 5318	Interpersonal Communication	
COMM 5321	Communication Assessment	
COMM 5324	Seminar in Instructional Communication	
COMM 5325	Seminar in Human Communication Theory	
COMM 5329B	Communication and Negotiation	
COMM 5332	Communication and Technology	
COMM 5347	Small Group Communication	
COMM 5350	Applied Communication Studies	
COMM 5372	Organizational Communication Analysis and Development	
COMM 5374	Organizational Rhetoric	
Total Hours		9

School of Journalism and Mass Communication

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Telephone: 512-245-2656 Fax: 512-245-7649
http://www.masscomm.txstate.edu/

The School of Journalism and Mass Communication offers an opportunity for students to expand their education and training within the mass communication field by earning an MA degree. The program is geared toward working professionals with or without a mass communication background to provide updated analytical and digital skills

Students in the MA program take a variety of skills-based and theory courses. The curriculum provides students with the digital and analytic skills needed for the field of mass communication. Students can select to earn the general MA in mass communication, or the can decide to declare a concentration in the area of global media, digital media, or strategic communication and take nine hours of prescribed coursework in their area. Courses are offered face-to-face in the evening, online, or via a hybrid teaching model because a large percentage of students enrolled are working professionals.

Students complete an 18-hour core as well as electives. Students choose to create a professional project or write a thesis to graduate. Core courses focus on media writing, digital storytelling, law/ethics, digital media issues, mass communication, theory and research. Electives address a variety of topics such as: UX/UI, web design, media design, content management, strategic communication campaigns and crisis communication. Students can earn internship credit and also have the opportunity to study abroad.

Facilities

The Schools' faculty offices, classrooms, Mi lab, media labs, and administrative offices are located in historic Old Main.

Financial Assistance

Graduate assistantships are offered with competitive stipends. Having a graduate assistantship also provides an out-of-state tuition waiver. Assistantship responsibilities include teaching fundamentals of digital media. Most assistantships are assigned in May for the fall term, but assistantships may be available for students who wish to begin the graduate program in the spring.

The department offers limited scholarships for currently enrolled students. The College of Fine Arts and Communication and the Graduate College provide a variety of scholarships for new and returning graduate students. See the various web sites for details.

Master of Arts (M.A.)

- Major in Mass Communication (Digital Media Concentration Professional Project Option) (p. 1652)
- Major in Mass Communication (Digital Media Concentration Thesis Option) (p. 1658)
- Major in Mass Communication (Global Media Concentration Professional Project Option) (p. 1664)
- Major in Mass Communication (Global Media Concentration Thesis Option) (p. 1670)
- Major in Mass Communication (Professional Project Option) (p. 1676)
- Major in Mass Communication (Strategic Communication Concentration Professional Project Option) (p. 1681)
- Major in Mass Communication (Strategic Communication Concentration Thesis Option) (p. 1687)
- Major in Mass Communication (Thesis Option) (p. 1693)

Master of Arts (M.A.) Major in Mass Communication (Digital Media Concentration Professional Project Option)

Major Program

The School of Journalism and Mass Communication offers an opportunity for media professionals, and recent graduates to expand their education and training within the mass communication field by earning a Master of Arts (M.A.) degree.

Students in the M.A. program take a variety of skills-based and theory courses. The curriculum provides students with the digital and analytic skills needed for the field of mass communication. Students can select to earn the general M.A. in mass communication, or they can decide to declare a concentration in the area of global media, digital media, or strategic communication and take nine hours of coursework centered in their concentration. Courses are offered during the evening, online, or via a hybrid teaching model because a large percentage of students enrolled are working professionals.

Facilities

The Schools' faculty offices, classrooms, Mi lab, media labs, and administrative offices are located in historic Old Main.

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The School offers limited scholarships for currently enrolled students. Also, the College of Fine Arts and Communication and The Graduate College provide a variety of scholarships for new and returning graduate students. See the various web sites for details.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mass communication or journalism from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- resume/CV including information about educational background, work experience, and extracurricular activities
- statement of purpose including a professional narrative discussing how the skills learned in the curriculum featured in the M.A. program will be applied in current or future careers
- two letters of recommendation from individuals competent to assess the student's capacity to pursue graduate education in mass communication. Students who did not major in mass communication as an undergraduate student should submit at least one of the two letters from a professor in the student's undergraduate major. Students transferring from another institution should submit at least one of the two letters from a professor in the previous institution.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 100 overall
- official IELTS (academic) scores required with a 7.0 overall and
  - minimum individual module scores of 6.5

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Mass Communication concentration in Digital Media requires 36 semester credit hours. All students are required to make a minimum 3.0 GPA in the required courses, a minimum 3.0 GPA in the concentration, and a minimum 3.0 GPA in the electives.

Course Requirements

Code	Title	Hours
Required Courses		
MC 5302	Research Methods in Mass Communication	3
MC 5303	Theories of Mass Communication	3
MC 5316	Digital Media Issues	3
MC 5324	Media Writing	3
MC 5328	Digital Story Production	3
MC 5313	Media Law and Ethics	3
Advisor may substitute 6 semester credit hours of MC coursework.		
Concentration		
MC 5312	Digital Media Design	3
MC 5334	Storytelling Across Platforms	3
MC 5339	Managing Digital Content	3
Electives		
Choose two of the following:		6
MC 5301	Mass Media and Society	
MC 5304T	Health Communication Campaigns	
MC 5304Y	Feature Writing	
MC 5306B	The Psychology of Social Media	
MC 5306F	Content Analysis	
MC 5306H	Foundations For Mass Communication Graduate Studies	
MC 5306I	Collecting, Analyzing and Presenting Data	
MC 5306L	Refugees, Nonprofit Organizations and Strategic Communication	
MC 5306M	Social Media Strategies, Campaigns and Analytics	
MC 5306N	Mass Communication History	
MC 5308	Seminar in Strategic Communication	
MC 5309	Gender, Race, and Class in the Media	
MC 5310	Global Media Issues	
MC 5311	Independent Study	
MC 5314	Strategies in Media Management	
MC 5315	Creative Problem Solving in Mass Communication	

MC 5317	Advanced Digital Media	
MC 5318	Media Ethics	
MC 5319	Mass Media and Politics	
MC 5321	Latinos and Media	
MC 5322	Global Media Strategy in Advertising and Public Relations	
MC 5323	Current Issues in Mass Communication	
MC 5326	Strategic Communication Campaigns	
MC 5327	Visual Communication	
MC 5329	Media Systems in Latin America	
MC 5330	Internship in Mass Communication	
MC 5332	SXTXState Project	
MC 5333	Digital Media Entrepreneurship	
MC 5335	Code Camp I	
MC 5336	Code Camp II	
MC 5337	Global Media in the Connected World	
MC 5338	Ethics and Crisis in Strategic Communication	
May choose 6 hours of advisor-approved electives from outside the School		
Project		
MC 5307	Project	3
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Mass Communications: MC

Courses Offered

Mass Communication (MC)

MC 5155. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5255. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5301. Mass Media and Society.
A seminar devoted to analysis and discussion of significant contemporary issues in mass communication, including a study of the history of the development of mass communication media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5302. Research Methods in Mass Communication.
Investigation of the tools and techniques of both qualitative and quantitative research methods used in the study of mass communication, including surveys, content analysis, experimental designs and case studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5303. Theories of Mass Communication.
Examination of the literature of mass communication theory and discussion of theoretical approaches and models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5304T. Health Communication Campaigns.
Provides an overview of the theory and practice of designing, producing and evaluating health-communication campaigns. Examines persuasive approaches to behavioral change as well as audience, message and channel factors in health-campaign development. Emphasizes communication approaches, including mass media, social networking and new media.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MC 5304Y. Feature Writing.
This course provides an in-depth understanding of the technical expertise, research methods, interviewing skills and narrative techniques pertinent to feature writing. The course also explores how to target a feature story to a specific audience and how to submit feature stories for publication to newspapers and magazines, print and online. Prerequisite: MC 5324. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306B. The Psychology of Social Media.
This course reviews social cognitive theories and research about the way social media users both produce and consume social media messages. It will examine clinical psychological and psychiatric effects that take place among social media users who do not have a clinical diagnosis. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306F. Content Analysis.
Content analysis is a systematic way to analyze the content of documented communications, whether they are written, audio/visual or digital. This course will examine the methodological steps involved in conducting a quantitative content analysis, design and execute a content analysis study. Corequisite: MC 5303 or MC5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306H. Foundations For Mass Communication Graduate Studies.
This course will familiarize students with the structure of the mass communication discipline, prominent theorists and historical developments, as well as expose them to the process of research and writing in the discipline of mass communication. Corequisites: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306I. Collecting, Analyzing and Presenting Data.
This course will introduce students to skills for working with data as well as perspectives from which to think critically about the use of data in contemporary society. It will focus on three stages of working with data: collection, analysis and presentation. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306L. Refugees, Nonprofit Organizations and Strategic Communication.
This course analyzes strategic communication of nonprofit organizations serving refugees and asylum seekers. Students are introduced to organizations that serve these marginalized populations in Texas and to the problems, challenges and opportunities these organizations face. Students will conduct research and produce a project on an issue related to this topic. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306M. Social Media Strategies, Campaigns and Analytics.
This course will expose students to the principles and strategies behind social media campaigns. It will discuss the interactions, channels, SEO, and social media metrics used to gauge the success of a social media campaign. Students will also examine successful social media case studies. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306N. Mass Communication History.
History of Mass Media is a course that examines the development of the American mass media, including advertising and public relations, from 1690 to the present. Corequisite: MC 5303, MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306O. Global Media Systems.
This study abroad course prepares students to think critically and analytically about media systems and functions in different countries with emphasis on the location/s of the study abroad program. The course provides students with practical knowledge and insights gained by visiting media organizations abroad. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306P. Global Strategic Communication Practices.
Students will analyze and discuss issues and challenges of contemporary global strategic communication practices and focus on gaining first-hand experience by visiting public relations, advertising and other communication agencies abroad. This course provides professional development and networking opportunities. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5307. Project.
A major communication effort to demonstrate command of the skills necessary to work at advanced levels in mass communication. For example, it may be broadcast documentary, advertising or public relations campaign, or a newspaper series. This course is the master's capstone for those on the professional project track. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5308. Seminar in Strategic Communication.
This course broadens students' understanding of issues related to advertising and public relations through an integrated communication perspective. Students learn the decision-making process, learn what problems real organizations experience and evaluate how they resolve issues in such areas as client-agency relationships, strategic planning/management and globalization. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5309. Gender, Race, and Class in the Media.
This course takes a theoretical approach to the study of representations of gender, race, and class in the mass media. A historical overview will be followed by an in-depth look at current conditions. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5310. Global Media Issues.
This course examines the media systems worldwide in different socioeconomic contexts and studies the patterns of international information flow. The course includes theories governing international communication. Students learn how and why communication takes place between different nations and the impact of this communication on individual nations. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5311. Independent Study.
Study of a special interest that offers academic or professional improvement and growth in the field of Mass Communication. May be repeated once with different emphasis for additional credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5312. Digital Media Design.
This course instructs students in Web development and design. Students learn Hypertext Markup Language (HTML) and Cascading Stylesheets (CSS) coding and are introduced to graphics and multimedia programs and web development frameworks. The class addresses the history and social implications of creating for the web. Prerequisite: MC 5334. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5313. Media Law and Ethics.
Study of laws and regulations as they pertain to media operations and the internal and external codes that guide media behavior. Freedom and responsibilities of the mass media practitioners and institutions will also be explored within the framework of ethical theories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5314. Strategies in Media Management.
This course offers an analysis and discussion of issues involved in digital and other media ownership and operation, including monopoly and competition, labor relations, human resource management and staffing, the politics of workplace supervision and market relations Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5315. Creative Problem Solving in Mass Communication.
This class examines the psychology of creativity and its application in mass communication to media management, broadcasting, advertising, and public relations. Students learn a variety of ideation techniques and structured creative problem solving methods to better understand their own creative thinking process and how to facilitate creative thinking in groups. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5316. Digital Media Issues.
This course will examine the role of digital media, including the Internet, Web and mobile technologies. Issues discussed will include social media and cyberculture research, technology diffusion, data journalism, analytics and the effects of digital technologies on society and culture, with a focus on ethics and regulation. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5317. Advanced Digital Media.
This course builds on web development skills to create interactive presentations and data visualizations. Students are introduced to advanced programming and data concepts relevant to communicators. Theoretical and practical considerations of emerging technologies to the media industry will be integrated with production techniques. Prerequisite: MC 5312. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 5318. Media Ethics.
The study of freedom and responsibilities of mass media practitioners and institutions, explored within the framework of ethical theories. Students will learn philosophical constructs as well as contemporary ethicists. Consideration of values, codes of ethics, moral development, professionalism, and institutional constraints as applied to media of information, persuasion and entertainment. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5319. Mass Media and Politics.
The class will review key literature in the area of mass media and politics. It examines the relationship between the press and the government, as well as how the mass media covers politics at the statewide and national level. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5321. Latinos and Media.
An immersion into the study of Latinos, their representations in media, and media oriented to Latinos. The course will require students to engage in in-depth research about Latinos and media issues. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5322. Global Media Strategy in Advertising and Public Relations.
This course provides an in-depth examination of multinational communication organizations, including news media, public relations, and advertising companies. In addition, the course examines organizational roles, impact and strategic functions in a global marketplace. Students will evaluate case studies of how global organizations serve diverse audiences and clients. Prerequisite: MC 5310 with a grade of "B" or better; MC 5302; MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5323. Current Issues in Mass Communication.
This course examines current theoretical and professional issues in mass communication. This course may be repeated once with a different emphasis for credit. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5324. Media Writing.
This course is designed to impart media writing skills. Students will learn information gathering and interviewing skills, and narrative techniques pertinent to different mass media. Students will produce media pieces that could be published across a wide variety of media outlets. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5326. Strategic Communication Campaigns.
A comprehensive study of strategic communication campaign planning with emphasis on public relations and advertising. Students will combine theory and practice to develop, coordinate and evaluate advertising/public relations campaigns for key audiences. Prerequisite: MC 5302; MC 5303; MC 5308 with a grade of "B" or better; MC 5338 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5327. Visual Communication.
This course examines the principles, theories, and language of visual communication, emphasizing the evaluation and use of images in digital mass media. Students will learn about media influences on their perceptions of reality and their behavior, the elements of visual literacy, and multicultural and global perspectives in visual media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5328. Digital Story Production.
This course involves discussion, development and analysis of multimedia stories, documentary video, and digital media. Students explore digital media techniques used in writing and producing multimedia stories. They learn visual aspects of storytelling and how to produce digital stories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5329. Media Systems in Latin America.
Students analyze media systems Latin America within their historical, cultural and political contexts. The course provides a comparative perspective of the role of the media within the region, their national markets and international Latino market. Students will ground these investigations with theories of international communication and information flow. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5330. Internship in Mass Communication.
Students acquire on-the-job experience in an off-campus media setting where they can apply the skills and knowledge acquired through mass communication graduate course work. Requires 180 hours of work off-campus, a written report, a portfolio of work product, and a supervisor's evaluation. Prerequisite: Departmental and Instructor approval. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5332. SXTXState Project.
This course involves attendance at and coverage of the South By Southwest Interactive Conference. Students will prepare for the event, attend panels, interview participants and produce digital content about the experience. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5333. Digital Media Entrepreneurship.
This course explores innovation and creativity associated with digital entrepreneurship. Students will be introduced to important concepts and ideas from thought leaders and innovators at the intersection of media and technology. Students will research and develop their own digital media products. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5334. Storytelling Across Platforms.
Students learn the tools, channels and techniques available for multimedia storytellers The course introduces new and emerging ways to tell stories, including social media, photo and video platforms, branding and audience engagement, mobile media and data visualization. Prerequisite: MC 5328. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5335. Code Camp I.
Students are immersed in programming concepts relevant to communicators. Students will practice document object model manipulation using appropriate software to create interactive Web projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5336.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5336. Code Camp II.
Students are immersed in data and visualization concepts relevant to communicators. Students will create interactive data visualization projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5335.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5337. Global Media in the Connected World.
Students will examine the prospects, challenges and applications of global media in areas such as socioeconomic development, political participation, digital divide, strategic communication, global crises and global entertainment. This course will critically analyze the role and use of traditional, digital and social media in a connected world. Prerequisite: MC 5302; MC 5303; MC 5310 with a grade of "B" or better; MC 5322 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5338. Ethics and Crisis in Strategic Communication.
Students will examine strategic communication practices throughout the stages of a crisis and ethical considerations. Special emphasis is placed on the crisis cycle, media relationships, image restoration, ethical responses, and organizational learning. Prerequisite: MC 5302; MC 5303; MC 5308 with grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5399A. Thesis.
A scholarly study of communication behavior, the purpose of which is to broaden understanding of what mass media do, how they do it, and with what effects. It may be quantitative, historical or rely upon another appropriate methodology. No thesis credit is awarded until student has completed the thesis in MC 5399B. Prerequisite: Completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Mass Communication (Digital Media Concentration Thesis Option)

Major Program

The School of Journalism and Mass Communication offers an opportunity for media professionals, and recent graduates to expand their education and training within the mass communication field by earning a Master of Arts (M.A.) degree.

Students in the M.A. program take a variety of skills-based and theory courses. The curriculum provides students with the digital and analytic skills needed for the field of mass communication. Students can select to earn the general M.A. in mass communication, or they can decide to declare a concentration in the area of global media, digital media, or strategic communication and take nine hours of coursework centered in their concentration. Courses are offered during the evening, online, or via a hybrid teaching model because a large percentage of students enrolled are working professionals.

Facilities

The Schools' faculty offices, classrooms, Mi lab, media labs, and administrative offices are located in historic Old Main.

Financial Assistance

Graduate assistantships are offered with competitive stipends. Having a graduate assistantship also provides an out-of-state tuition waiver. Assistantship responsibilities include teaching fundamentals of digital media or assisting faculty with research. Most assistantships are assigned in May for the fall term, but assistantships may be available for students who wish to begin the graduate program in the spring.

The School offers limited scholarships for currently enrolled students. Also, the College of Fine Arts and Communication and The Graduate College provide a variety of scholarships for new and returning graduate students. See the various web sites for details.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mass communication or journalism from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- resume/CV including information about educational background, work experience, and extracurricular activities
- statement of purpose including a professional narrative discussing how the skills learned in the curriculum featured in the M.A. program will be applied in current or future careers

- two letters of recommendation from individuals competent to assess the student's capacity to pursue graduate education in mass communication. Students who did not major in mass communication as an undergraduate student should submit at least one of the two letters from a professor in the student's undergraduate major. Students transferring from another institution should submit at least one of the two letters from a professor in the previous institution.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 100 overall
- official IELTS (academic) scores required with a 7.0 overall and
  - minimum individual module scores of 6.5

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Mass Communication concentration in Digital Media requires 33 semester credit hours, including a thesis. All students are required to make a minimum 3.0 GPA in the required courses, a minimum 3.0 GPA in the electives, and a minimum 3.0 GPA in the concentration.

Course Requirements

Code	Title	Hours
Required Courses		
MC 5302	Research Methods in Mass Communication	3
MC 5303	Theories of Mass Communication	3
MC 5316	Digital Media Issues	3
MC 5324	Media Writing	3
MC 5328	Digital Story Production	3
MC 5313	Media Law and Ethics	3
Advisor may substitute 6 semester credit hours of MC coursework.		
Concentration		
MC 5312	Digital Media Design	3
MC 5334	Storytelling Across Platforms	3
MC 5339	Managing Digital Content	3
Thesis		
MC 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
MC 5199B	Thesis	
MC 5299B	Thesis	
MC 5399B	Thesis	
MC 5599B	Thesis	
MC 5999B	Thesis	
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Mass Communications: MC

Courses Offered

Mass Communication (MC)

MC 5155. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5255. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5301. Mass Media and Society.
A seminar devoted to analysis and discussion of significant contemporary issues in mass communication, including a study of the history of the development of mass communication media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5302. Research Methods in Mass Communication.
Investigation of the tools and techniques of both qualitative and quantitative research methods used in the study of mass communication, including surveys, content analysis, experimental designs and case studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5303. Theories of Mass Communication.
Examination of the literature of mass communication theory and discussion of theoretical approaches and models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5304T. Health Communication Campaigns.
Provides an overview of the theory and practice of designing, producing and evaluating health-communication campaigns. Examines persuasive approaches to behavioral change as well as audience, message and channel factors in health-campaign development. Emphasizes communication approaches, including mass media, social networking and new media.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MC 5304Y. Feature Writing.
This course provides an in-depth understanding of the technical expertise, research methods, interviewing skills and narrative techniques pertinent to feature writing. The course also explores how to target a feature story to a specific audience and how to submit feature stories for publication to newspapers and magazines, print and online. Prerequisite: MC 5324. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306B. The Psychology of Social Media.
This course reviews social cognitive theories and research about the way social media users both produce and consume social media messages. It will examine clinical psychological and psychiatric effects that take place among social media users who do not have a clinical diagnosis. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306F. Content Analysis.
Content analysis is a systematic way to analyze the content of documented communications, whether they are written, audio/visual or digital. This course will examine the methodological steps involved in conducting a quantitative content analysis, design and execute a content analysis study. Corequisite: MC 5303 or MC5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306H. Foundations For Mass Communication Graduate Studies.
This course will familiarize students with the structure of the mass communication discipline, prominent theorists and historical developments, as well as expose them to the process of research and writing in the discipline of mass communication. Corequisites: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306I. Collecting, Analyzing and Presenting Data.
This course will introduce students to skills for working with data as well as perspectives from which to think critically about the use of data in contemporary society. It will focus on three stages of working with data: collection, analysis and presentation. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306L. Refugees, Nonprofit Organizations and Strategic Communication.
This course analyzes strategic communication of nonprofit organizations serving refugees and asylum seekers. Students are introduced to organizations that serve these marginalized populations in Texas and to the problems, challenges and opportunities these organizations face. Students will conduct research and produce a project on an issue related to this topic. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306M. Social Media Strategies, Campaigns and Analytics.
This course will expose students to the principles and strategies behind social media campaigns. It will discuss the interactions, channels, SEO, and social media metrics used to gauge the success of a social media campaign. Students will also examine successful social media case studies. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306N. Mass Communication History.
History of Mass Media is a course that examines the development of the American mass media, including advertising and public relations, from 1690 to the present. Corequisite: MC 5303, MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306O. Global Media Systems.
This study abroad course prepares students to think critically and analytically about media systems and functions in different countries with emphasis on the location/s of the study abroad program. The course provides students with practical knowledge and insights gained by visiting media organizations abroad. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306P. Global Strategic Communication Practices.
Students will analyze and discuss issues and challenges of contemporary global strategic communication practices and focus on gaining first-hand experience by visiting public relations, advertising and other communication agencies abroad. This course provides professional development and networking opportunities. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5307. Project.
A major communication effort to demonstrate command of the skills necessary to work at advanced levels in mass communication. For example, it may be broadcast documentary, advertising or public relations campaign, or a newspaper series. This course is the master's capstone for those on the professional project track. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5308. Seminar in Strategic Communication.
This course broadens students' understanding of issues related to advertising and public relations through an integrated communication perspective. Students learn the decision-making process, learn what problems real organizations experience and evaluate how they resolve issues in such areas as client-agency relationships, strategic planning/management and globalization. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5309. Gender, Race, and Class in the Media.
This course takes a theoretical approach to the study of representations of gender, race, and class in the mass media. A historical overview will be followed by an in-depth look at current conditions. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5310. Global Media Issues.
This course examines the media systems worldwide in different socioeconomic contexts and studies the patterns of international information flow. The course includes theories governing international communication. Students learn how and why communication takes place between different nations and the impact of this communication on individual nations. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5311. Independent Study.
Study of a special interest that offers academic or professional improvement and growth in the field of Mass Communication. May be repeated once with different emphasis for additional credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5312. Digital Media Design.
This course instructs students in Web development and design. Students learn Hypertext Markup Language (HTML) and Cascading Stylesheets (CSS) coding and are introduced to graphics and multimedia programs and web development frameworks. The class addresses the history and social implications of creating for the web. Prerequisite: MC 5334. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5313. Media Law and Ethics.
Study of laws and regulations as they pertain to media operations and the internal and external codes that guide media behavior. Freedom and responsibilities of the mass media practitioners and institutions will also be explored within the framework of ethical theories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5314. Strategies in Media Management.
This course offers an analysis and discussion of issues involved in digital and other media ownership and operation, including monopoly and competition, labor relations, human resource management and staffing, the politics of workplace supervision and market relations Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5315. Creative Problem Solving in Mass Communication.
This class examines the psychology of creativity and its application in mass communication to media management, broadcasting, advertising, and public relations. Students learn a variety of ideation techniques and structured creative problem solving methods to better understand their own creative thinking process and how to facilitate creative thinking in groups. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5316. Digital Media Issues.
This course will examine the role of digital media, including the Internet, Web and mobile technologies. Issues discussed will include social media and cyberculture research, technology diffusion, data journalism, analytics and the effects of digital technologies on society and culture, with a focus on ethics and regulation. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5317. Advanced Digital Media.
This course builds on web development skills to create interactive presentations and data visualizations. Students are introduced to advanced programming and data concepts relevant to communicators. Theoretical and practical considerations of emerging technologies to the media industry will be integrated with production techniques. Prerequisite: MC 5312. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 5318. Media Ethics.
The study of freedom and responsibilities of mass media practitioners and institutions, explored within the framework of ethical theories. Students will learn philosophical constructs as well as contemporary ethicists. Consideration of values, codes of ethics, moral development, professionalism, and institutional constraints as applied to media of information, persuasion and entertainment. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5319. Mass Media and Politics.
The class will review key literature in the area of mass media and politics. It examines the relationship between the press and the government, as well as how the mass media covers politics at the statewide and national level. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5321. Latinos and Media.
An immersion into the study of Latinos, their representations in media, and media oriented to Latinos. The course will require students to engage in in-depth research about Latinos and media issues. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5322. Global Media Strategy in Advertising and Public Relations.
This course provides an in-depth examination of multinational communication organizations, including news media, public relations, and advertising companies. In addition, the course examines organizational roles, impact and strategic functions in a global marketplace. Students will evaluate case studies of how global organizations serve diverse audiences and clients. Prerequisite: MC 5310 with a grade of "B" or better; MC 5302; MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5323. Current Issues in Mass Communication.
This course examines current theoretical and professional issues in mass communication. This course may be repeated once with a different emphasis for credit. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5324. Media Writing.
This course is designed to impart media writing skills. Students will learn information gathering and interviewing skills, and narrative techniques pertinent to different mass media. Students will produce media pieces that could be published across a wide variety of media outlets. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5326. Strategic Communication Campaigns.
A comprehensive study of strategic communication campaign planning with emphasis on public relations and advertising. Students will combine theory and practice to develop, coordinate and evaluate advertising/public relations campaigns for key audiences. Prerequisite: MC 5302; MC 5303; MC 5308 with a grade of "B" or better; MC 5338 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5327. Visual Communication.
This course examines the principles, theories, and language of visual communication, emphasizing the evaluation and use of images in digital mass media. Students will learn about media influences on their perceptions of reality and their behavior, the elements of visual literacy, and multicultural and global perspectives in visual media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5328. Digital Story Production.
This course involves discussion, development and analysis of multimedia stories, documentary video, and digital media. Students explore digital media techniques used in writing and producing multimedia stories. They learn visual aspects of storytelling and how to produce digital stories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5329. Media Systems in Latin America.
Students analyze media systems Latin America within their historical, cultural and political contexts. The course provides a comparative perspective of the role of the media within the region, their national markets and international Latino market. Students will ground these investigations with theories of international communication and information flow. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5330. Internship in Mass Communication.
Students acquire on-the-job experience in an off-campus media setting where they can apply the skills and knowledge acquired through mass communication graduate course work. Requires 180 hours of work off-campus, a written report, a portfolio of work product, and a supervisor's evaluation. Prerequisite: Departmental and Instructor approval. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5332. SXTXState Project.
This course involves attendance at and coverage of the South By Southwest Interactive Conference. Students will prepare for the event, attend panels, interview participants and produce digital content about the experience. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5333. Digital Media Entrepreneurship.
This course explores innovation and creativity associated with digital entrepreneurship. Students will be introduced to important concepts and ideas from thought leaders and innovators at the intersection of media and technology. Students will research and develop their own digital media products. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5334. Storytelling Across Platforms.
Students learn the tools, channels and techniques available for multimedia storytellers The course introduces new and emerging ways to tell stories, including social media, photo and video platforms, branding and audience engagement, mobile media and data visualization. Prerequisite: MC 5328. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5335. Code Camp I.
Students are immersed in programming concepts relevant to communicators. Students will practice document object model manipulation using appropriate software to create interactive Web projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5336.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5336. Code Camp II.
Students are immersed in data and visualization concepts relevant to communicators. Students will create interactive data visualization projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5335.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5337. Global Media in the Connected World.
Students will examine the prospects, challenges and applications of global media in areas such as socioeconomic development, political participation, digital divide, strategic communication, global crises and global entertainment. This course will critically analyze the role and use of traditional, digital and social media in a connected world. Prerequisite: MC 5302; MC 5303; MC 5310 with a grade of "B" or better; MC 5322 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5338. Ethics and Crisis in Strategic Communication.
Students will examine strategic communication practices throughout the stages of a crisis and ethical considerations. Special emphasis is placed on the crisis cycle, media relationships, image restoration, ethical responses, and organizational learning. Prerequisite: MC 5302; MC 5303; MC 5308 with grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5399A. Thesis.
A scholarly study of communication behavior, the purpose of which is to broaden understanding of what mass media do, how they do it, and with what effects. It may be quantitative, historical or rely upon another appropriate methodology. No thesis credit is awarded until student has completed the thesis in MC 5399B. Prerequisite: Completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

M.A. Major in Mass Communication (Global Media Concentration Professional Project Option)

Major Program

The School of Journalism and Mass Communication offers an opportunity for media professionals, and recent graduates to expand their education and training within the mass communication field by earning a Master of Arts (M.A.) degree.

Students in the M.A. program take a variety of skills-based and theory courses. The curriculum provides students with the digital and analytic skills needed for the field of mass communication. Students can select to earn the general M.A. in mass communication, or they can decide to declare a concentration in the area of global media, digital media, or strategic communication and take nine hours of coursework centered in their concentration. Courses are offered during the evening, online, or via a hybrid teaching model because a large percentage of students enrolled are working professionals.

Facilities

The Schools' faculty offices, classrooms, Mi lab, media labs, and administrative offices are located in historic Old Main.

Financial Assistance

Graduate assistantships are offered with competitive stipends. Having a graduate assistantship also provides an out-of-state tuition waiver. Assistantship responsibilities include teaching fundamentals of digital media or assisting faculty with research. Most assistantships are assigned in May for the fall term, but assistantships may be available for students who wish to begin the graduate program in the spring.

The School offers limited scholarships for currently enrolled students. Also, the College of Fine Arts and Communication and The Graduate College provide a variety of scholarships for new and returning graduate students. See the various web sites for details.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mass communication or journalism from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- resume/CV including information about educational background, work experience, and extracurricular activities
- statement of purpose including a professional narrative discussing how the skills learned in the curriculum featured in the M.A. program will be applied in current or future careers
- two letters of recommendation from individuals competent to assess the student's capacity to pursue graduate education in mass communication. Students who did not major in mass communication as an undergraduate student should submit at least one of the two letters from a professor in the student's undergraduate major. Students transferring from another institution should submit at least one of the two letters from a professor in the previous institution.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 100 overall
- official IELTS (academic) scores required with a 7.0 overall and
  - minimum individual module scores of 6.5

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Mass Communication concentration in global media requires 36 semester credit hours. All students are required to make a minimum 3.0 GPA in the required courses, a minimum 3.0 GPA in the concentration, a minimum 3.0 GPA in the electives.

Code	Title	Hours
Required Courses		
MC 5302	Research Methods in Mass Communication	3
MC 5303	Theories of Mass Communication	3
MC 5316	Digital Media Issues	3
MC 5324	Media Writing	3
MC 5328	Digital Story Production	3
MC 5313	Media Law and Ethics	3
Advisor may substitute 6 credits of MC coursework.		
Concentration		
MC 5310	Global Media Issues	3
MC 5337	Global Media in the Connected World	3
MC 5322	Global Media Strategy in Advertising and Public Relations	3
Electives		
Choose two of the following:		6
MC 5301	Mass Media and Society	
MC 5304T	Health Communication Campaigns	
MC 5304Y	Feature Writing	
MC 5306B	The Psychology of Social Media	
MC 5306F	Content Analysis	
MC 5306H	Foundations For Mass Communication Graduate Studies	
MC 5306I	Collecting, Analyzing and Presenting Data	
MC 5306L	Refugees, Nonprofit Organizations and Strategic Communication	
MC 5306M	Social Media Strategies, Campaigns and Analytics	
MC 5306N	Mass Communication History	
MC 5308	Seminar in Strategic Communication	
MC 5309	Gender, Race, and Class in the Media	
MC 5311	Independent Study	
MC 5312	Digital Media Design	
MC 5314	Strategies in Media Management	
MC 5315	Creative Problem Solving in Mass Communication	
MC 5317	Advanced Digital Media	
MC 5318	Media Ethics	
MC 5319	Mass Media and Politics	
MC 5321	Latinos and Media	
MC 5323	Current Issues in Mass Communication	
MC 5326	Strategic Communication Campaigns	
MC 5327	Visual Communication	
MC 5329	Media Systems in Latin America	
MC 5330	Internship in Mass Communication	
MC 5332	SXTXState Project	
MC 5333	Digital Media Entrepreneurship	
MC 5334	Storytelling Across Platforms	
MC 5335	Code Camp I	
MC 5336	Code Camp II	
MC 5338	Ethics and Crisis in Strategic Communication	
MC 5339	Managing Digital Content	
May choose 6 hours of advisor-approved electives from outside the school.		
Project		
MC 5307	Project	3
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Mass Communications: MC

Courses Offered

Mass Communication (MC)

MC 5155. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5255. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5301. Mass Media and Society.
A seminar devoted to analysis and discussion of significant contemporary issues in mass communication, including a study of the history of the development of mass communication media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5302. Research Methods in Mass Communication.
Investigation of the tools and techniques of both qualitative and quantitative research methods used in the study of mass communication, including surveys, content analysis, experimental designs and case studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5303. Theories of Mass Communication.
Examination of the literature of mass communication theory and discussion of theoretical approaches and models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5304T. Health Communication Campaigns.
Provides an overview of the theory and practice of designing, producing and evaluating health-communication campaigns. Examines persuasive approaches to behavioral change as well as audience, message and channel factors in health-campaign development. Emphasizes communication approaches, including mass media, social networking and new media.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MC 5304Y. Feature Writing.
This course provides an in-depth understanding of the technical expertise, research methods, interviewing skills and narrative techniques pertinent to feature writing. The course also explores how to target a feature story to a specific audience and how to submit feature stories for publication to newspapers and magazines, print and online. Prerequisite: MC 5324. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306B. The Psychology of Social Media.
This course reviews social cognitive theories and research about the way social media users both produce and consume social media messages. It will examine clinical psychological and psychiatric effects that take place among social media users who do not have a clinical diagnosis. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306F. Content Analysis.
Content analysis is a systematic way to analyze the content of documented communications, whether they are written, audio/visual or digital. This course will examine the methodological steps involved in conducting a quantitative content analysis, design and execute a content analysis study. Corequisite: MC 5303 or MC5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306H. Foundations For Mass Communication Graduate Studies.
This course will familiarize students with the structure of the mass communication discipline, prominent theorists and historical developments, as well as expose them to the process of research and writing in the discipline of mass communication. Corequisites: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306I. Collecting, Analyzing and Presenting Data.
This course will introduce students to skills for working with data as well as perspectives from which to think critically about the use of data in contemporary society. It will focus on three stages of working with data: collection, analysis and presentation. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306L. Refugees, Nonprofit Organizations and Strategic Communication.
This course analyzes strategic communication of nonprofit organizations serving refugees and asylum seekers. Students are introduced to organizations that serve these marginalized populations in Texas and to the problems, challenges and opportunities these organizations face. Students will conduct research and produce a project on an issue related to this topic. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306M. Social Media Strategies, Campaigns and Analytics.
This course will expose students to the principles and strategies behind social media campaigns. It will discuss the interactions, channels, SEO, and social media metrics used to gauge the success of a social media campaign. Students will also examine successful social media case studies. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306N. Mass Communication History.
History of Mass Media is a course that examines the development of the American mass media, including advertising and public relations, from 1690 to the present. Corequisite: MC 5303, MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306O. Global Media Systems.
This study abroad course prepares students to think critically and analytically about media systems and functions in different countries with emphasis on the location/s of the study abroad program. The course provides students with practical knowledge and insights gained by visiting media organizations abroad. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306P. Global Strategic Communication Practices.
Students will analyze and discuss issues and challenges of contemporary global strategic communication practices and focus on gaining first-hand experience by visiting public relations, advertising and other communication agencies abroad. This course provides professional development and networking opportunities. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5307. Project.
A major communication effort to demonstrate command of the skills necessary to work at advanced levels in mass communication. For example, it may be broadcast documentary, advertising or public relations campaign, or a newspaper series. This course is the master's capstone for those on the professional project track. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5308. Seminar in Strategic Communication.
This course broadens students' understanding of issues related to advertising and public relations through an integrated communication perspective. Students learn the decision-making process, learn what problems real organizations experience and evaluate how they resolve issues in such areas as client-agency relationships, strategic planning/management and globalization. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5309. Gender, Race, and Class in the Media.
This course takes a theoretical approach to the study of representations of gender, race, and class in the mass media. A historical overview will be followed by an in-depth look at current conditions. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5310. Global Media Issues.
This course examines the media systems worldwide in different socioeconomic contexts and studies the patterns of international information flow. The course includes theories governing international communication. Students learn how and why communication takes place between different nations and the impact of this communication on individual nations. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5311. Independent Study.
Study of a special interest that offers academic or professional improvement and growth in the field of Mass Communication. May be repeated once with different emphasis for additional credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5312. Digital Media Design.
This course instructs students in Web development and design. Students learn Hypertext Markup Language (HTML) and Cascading Stylesheets (CSS) coding and are introduced to graphics and multimedia programs and web development frameworks. The class addresses the history and social implications of creating for the web. Prerequisite: MC 5334. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5313. Media Law and Ethics.
Study of laws and regulations as they pertain to media operations and the internal and external codes that guide media behavior. Freedom and responsibilities of the mass media practitioners and institutions will also be explored within the framework of ethical theories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5314. Strategies in Media Management.
This course offers an analysis and discussion of issues involved in digital and other media ownership and operation, including monopoly and competition, labor relations, human resource management and staffing, the politics of workplace supervision and market relations Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5315. Creative Problem Solving in Mass Communication.
This class examines the psychology of creativity and its application in mass communication to media management, broadcasting, advertising, and public relations. Students learn a variety of ideation techniques and structured creative problem solving methods to better understand their own creative thinking process and how to facilitate creative thinking in groups. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5316. Digital Media Issues.
This course will examine the role of digital media, including the Internet, Web and mobile technologies. Issues discussed will include social media and cyberculture research, technology diffusion, data journalism, analytics and the effects of digital technologies on society and culture, with a focus on ethics and regulation. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5317. Advanced Digital Media.
This course builds on web development skills to create interactive presentations and data visualizations. Students are introduced to advanced programming and data concepts relevant to communicators. Theoretical and practical considerations of emerging technologies to the media industry will be integrated with production techniques. Prerequisite: MC 5312. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 5318. Media Ethics.
The study of freedom and responsibilities of mass media practitioners and institutions, explored within the framework of ethical theories. Students will learn philosophical constructs as well as contemporary ethicists. Consideration of values, codes of ethics, moral development, professionalism, and institutional constraints as applied to media of information, persuasion and entertainment. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5319. Mass Media and Politics.
The class will review key literature in the area of mass media and politics. It examines the relationship between the press and the government, as well as how the mass media covers politics at the statewide and national level. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5321. Latinos and Media.
An immersion into the study of Latinos, their representations in media, and media oriented to Latinos. The course will require students to engage in in-depth research about Latinos and media issues. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5322. Global Media Strategy in Advertising and Public Relations.
This course provides an in-depth examination of multinational communication organizations, including news media, public relations, and advertising companies. In addition, the course examines organizational roles, impact and strategic functions in a global marketplace. Students will evaluate case studies of how global organizations serve diverse audiences and clients. Prerequisite: MC 5310 with a grade of "B" or better; MC 5302; MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5323. Current Issues in Mass Communication.
This course examines current theoretical and professional issues in mass communication. This course may be repeated once with a different emphasis for credit. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5324. Media Writing.
This course is designed to impart media writing skills. Students will learn information gathering and interviewing skills, and narrative techniques pertinent to different mass media. Students will produce media pieces that could be published across a wide variety of media outlets. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5326. Strategic Communication Campaigns.
A comprehensive study of strategic communication campaign planning with emphasis on public relations and advertising. Students will combine theory and practice to develop, coordinate and evaluate advertising/public relations campaigns for key audiences. Prerequisite: MC 5302; MC 5303; MC 5308 with a grade of "B" or better; MC 5338 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5327. Visual Communication.
This course examines the principles, theories, and language of visual communication, emphasizing the evaluation and use of images in digital mass media. Students will learn about media influences on their perceptions of reality and their behavior, the elements of visual literacy, and multicultural and global perspectives in visual media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5328. Digital Story Production.
This course involves discussion, development and analysis of multimedia stories, documentary video, and digital media. Students explore digital media techniques used in writing and producing multimedia stories. They learn visual aspects of storytelling and how to produce digital stories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5329. Media Systems in Latin America.
Students analyze media systems Latin America within their historical, cultural and political contexts. The course provides a comparative perspective of the role of the media within the region, their national markets and international Latino market. Students will ground these investigations with theories of international communication and information flow. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5330. Internship in Mass Communication.
Students acquire on-the-job experience in an off-campus media setting where they can apply the skills and knowledge acquired through mass communication graduate course work. Requires 180 hours of work off-campus, a written report, a portfolio of work product, and a supervisor's evaluation. Prerequisite: Departmental and Instructor approval. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5332. SXTXState Project.
This course involves attendance at and coverage of the South By Southwest Interactive Conference. Students will prepare for the event, attend panels, interview participants and produce digital content about the experience. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5333. Digital Media Entrepreneurship.
This course explores innovation and creativity associated with digital entrepreneurship. Students will be introduced to important concepts and ideas from thought leaders and innovators at the intersection of media and technology. Students will research and develop their own digital media products. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5334. Storytelling Across Platforms.
Students learn the tools, channels and techniques available for multimedia storytellers The course introduces new and emerging ways to tell stories, including social media, photo and video platforms, branding and audience engagement, mobile media and data visualization. Prerequisite: MC 5328. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5335. Code Camp I.
Students are immersed in programming concepts relevant to communicators. Students will practice document object model manipulation using appropriate software to create interactive Web projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5336.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5336. Code Camp II.
Students are immersed in data and visualization concepts relevant to communicators. Students will create interactive data visualization projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5335.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5337. Global Media in the Connected World.
Students will examine the prospects, challenges and applications of global media in areas such as socioeconomic development, political participation, digital divide, strategic communication, global crises and global entertainment. This course will critically analyze the role and use of traditional, digital and social media in a connected world. Prerequisite: MC 5302; MC 5303; MC 5310 with a grade of "B" or better; MC 5322 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5338. Ethics and Crisis in Strategic Communication.
Students will examine strategic communication practices throughout the stages of a crisis and ethical considerations. Special emphasis is placed on the crisis cycle, media relationships, image restoration, ethical responses, and organizational learning. Prerequisite: MC 5302; MC 5303; MC 5308 with grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5399A. Thesis.
A scholarly study of communication behavior, the purpose of which is to broaden understanding of what mass media do, how they do it, and with what effects. It may be quantitative, historical or rely upon another appropriate methodology. No thesis credit is awarded until student has completed the thesis in MC 5399B. Prerequisite: Completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Mass Communication (Global Media Concentration Thesis Option)

Major Program

The School of Journalism and Mass Communication offers an opportunity for media professionals, and recent graduates to expand their education and training within the mass communication field by earning a Master of Arts (M.A.) degree.

Students in the M.A. program take a variety of skills-based and theory courses. The curriculum provides students with the digital and analytic skills needed for the field of mass communication. Students can select to earn the general M.A. in mass communication, or they can decide to declare a concentration in the area of global media, digital media, or strategic communication and take nine hours of coursework centered in their concentration. Courses are offered during the evening, online, or via a hybrid teaching model because a large percentage of students enrolled are working professionals.

Facilities

The Schools' faculty offices, classrooms, Mi lab, media labs, and administrative offices are located in historic Old Main.

Financial Assistance

Graduate assistantships are offered with competitive stipends. Having a graduate assistantship also provides an out-of-state tuition waiver. Assistantship responsibilities include teaching fundamentals of digital media or assisting faculty with research. Most assistantships are assigned in May for the fall term, but assistantships may be available for students who wish to begin the graduate program in the spring.

The School offers limited scholarships for currently enrolled students. Also, the College of Fine Arts and Communication and The Graduate College provide a variety of scholarships for new and returning graduate students. See the various web sites for details.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mass communication or journalism from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- resume/CV including information about educational background, work experience, and extracurricular activities
- statement of purpose including a professional narrative discussing how the skills learned in the curriculum featured in the M.A. program will be applied in current or future careers
- two letters of recommendation from individuals competent to assess the student's capacity to pursue graduate education in mass communication. Students who did not major in mass communication as an undergraduate student should submit at least one of the two letters from a professor in the student's undergraduate major. Students transferring from another institution should submit at least one of the two letters from a professor in the previous institution.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 100 overall
- official IELTS (academic) scores required with a 7.0 overall and
  - minimum individual module scores of 6.5

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Mass Communication concentration in global media requires 33 semester credit hours, including a thesis. All students are required to make a minimum 3.0 GPA in the required courses, a minimum 3.0 GPA in the concentration, and a minimum 3.0 GPA in the electives.

Course Requirements

Code	Title	Hours
Required Courses		
MC 5302	Research Methods in Mass Communication	3
MC 5303	Theories of Mass Communication	3

MC 5316	Digital Media Issues	3
MC 5324	Media Writing	3
MC 5328	Digital Story Production	3
MC 5313	Media Law and Ethics	3
Advisor may substitute 6 credits of MC coursework.		
Concentration		
MC 5310	Global Media Issues	3
MC 5337	Global Media in the Connected World	3
MC 5322	Global Media Strategy in Advertising and Public Relations	3
Thesis		
MC 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
MC 5199B	Thesis	
MC 5299B	Thesis	
MC 5399B	Thesis	
MC 5599B	Thesis	
MC 5999B	Thesis	
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Mass Communications: MC

Courses Offered

Mass Communication (MC)

MC 5155. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5255. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5301. Mass Media and Society.
A seminar devoted to analysis and discussion of significant contemporary issues in mass communication, including a study of the history of the development of mass communication media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5302. Research Methods in Mass Communication.
Investigation of the tools and techniques of both qualitative and quantitative research methods used in the study of mass communication, including surveys, content analysis, experimental designs and case studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5303. Theories of Mass Communication.
Examination of the literature of mass communication theory and discussion of theoretical approaches and models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5304T. Health Communication Campaigns.
Provides an overview of the theory and practice of designing, producing and evaluating health-communication campaigns. Examines persuasive approaches to behavioral change as well as audience, message and channel factors in health-campaign development. Emphasizes communication approaches, including mass media, social networking and new media.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MC 5304Y. Feature Writing.
This course provides an in-depth understanding of the technical expertise, research methods, interviewing skills and narrative techniques pertinent to feature writing. The course also explores how to target a feature story to a specific audience and how to submit feature stories for publication to newspapers and magazines, print and online. Prerequisite: MC 5324. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306B. The Psychology of Social Media.
This course reviews social cognitive theories and research about the way social media users both produce and consume social media messages. It will examine clinical psychological and psychiatric effects that take place among social media users who do not have a clinical diagnosis. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306F. Content Analysis.
Content analysis is a systematic way to analyze the content of documented communications, whether they are written, audio/visual or digital. This course will examine the methodological steps involved in conducting a quantitative content analysis, design and execute a content analysis study. Corequisite: MC 5303 or MC5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306H. Foundations For Mass Communication Graduate Studies.
This course will familiarize students with the structure of the mass communication discipline, prominent theorists and historical developments, as well as expose them to the process of research and writing in the discipline of mass communication. Corequisites: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306I. Collecting, Analyzing and Presenting Data.
This course will introduce students to skills for working with data as well as perspectives from which to think critically about the use of data in contemporary society. It will focus on three stages of working with data: collection, analysis and presentation. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306L. Refugees, Nonprofit Organizations and Strategic Communication.
This course analyzes strategic communication of nonprofit organizations serving refugees and asylum seekers. Students are introduced to organizations that serve these marginalized populations in Texas and to the problems, challenges and opportunities these organizations face. Students will conduct research and produce a project on an issue related to this topic. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306M. Social Media Strategies, Campaigns and Analytics.
This course will expose students to the principles and strategies behind social media campaigns. It will discuss the interactions, channels, SEO, and social media metrics used to gauge the success of a social media campaign. Students will also examine successful social media case studies. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306N. Mass Communication History.
History of Mass Media is a course that examines the development of the American mass media, including advertising and public relations, from 1690 to the present. Corequisite: MC 5303, MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306O. Global Media Systems.
This study abroad course prepares students to think critically and analytically about media systems and functions in different countries with emphasis on the location/s of the study abroad program. The course provides students with practical knowledge and insights gained by visiting media organizations abroad. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306P. Global Strategic Communication Practices.
Students will analyze and discuss issues and challenges of contemporary global strategic communication practices and focus on gaining first-hand experience by visiting public relations, advertising and other communication agencies abroad. This course provides professional development and networking opportunities. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5307. Project.
A major communication effort to demonstrate command of the skills necessary to work at advanced levels in mass communication. For example, it may be broadcast documentary, advertising or public relations campaign, or a newspaper series. This course is the master's capstone for those on the professional project track. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5308. Seminar in Strategic Communication.
This course broadens students' understanding of issues related to advertising and public relations through an integrated communication perspective. Students learn the decision-making process, learn what problems real organizations experience and evaluate how they resolve issues in such areas as client-agency relationships, strategic planning/management and globalization. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5309. Gender, Race, and Class in the Media.
This course takes a theoretical approach to the study of representations of gender, race, and class in the mass media. A historical overview will be followed by an in-depth look at current conditions. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5310. Global Media Issues.
This course examines the media systems worldwide in different socioeconomic contexts and studies the patterns of international information flow. The course includes theories governing international communication. Students learn how and why communication takes place between different nations and the impact of this communication on individual nations. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5311. Independent Study.
Study of a special interest that offers academic or professional improvement and growth in the field of Mass Communication. May be repeated once with different emphasis for additional credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5312. Digital Media Design.
This course instructs students in Web development and design. Students learn Hypertext Markup Language (HTML) and Cascading Stylesheets (CSS) coding and are introduced to graphics and multimedia programs and web development frameworks. The class addresses the history and social implications of creating for the web. Prerequisite: MC 5334. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5313. Media Law and Ethics.
Study of laws and regulations as they pertain to media operations and the internal and external codes that guide media behavior. Freedom and responsibilities of the mass media practitioners and institutions will also be explored within the framework of ethical theories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5314. Strategies in Media Management.
This course offers an analysis and discussion of issues involved in digital and other media ownership and operation, including monopoly and competition, labor relations, human resource management and staffing, the politics of workplace supervision and market relations Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5315. Creative Problem Solving in Mass Communication.
This class examines the psychology of creativity and its application in mass communication to media management, broadcasting, advertising, and public relations. Students learn a variety of ideation techniques and structured creative problem solving methods to better understand their own creative thinking process and how to facilitate creative thinking in groups. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5316. Digital Media Issues.
This course will examine the role of digital media, including the Internet, Web and mobile technologies. Issues discussed will include social media and cyberculture research, technology diffusion, data journalism, analytics and the effects of digital technologies on society and culture, with a focus on ethics and regulation. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5317. Advanced Digital Media.
This course builds on web development skills to create interactive presentations and data visualizations. Students are introduced to advanced programming and data concepts relevant to communicators. Theoretical and practical considerations of emerging technologies to the media industry will be integrated with production techniques. Prerequisite: MC 5312. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 5318. Media Ethics.
The study of freedom and responsibilities of mass media practitioners and institutions, explored within the framework of ethical theories. Students will learn philosophical constructs as well as contemporary ethicists. Consideration of values, codes of ethics, moral development, professionalism, and institutional constraints as applied to media of information, persuasion and entertainment. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5319. Mass Media and Politics.
The class will review key literature in the area of mass media and politics. It examines the relationship between the press and the government, as well as how the mass media covers politics at the statewide and national level. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5321. Latinos and Media.
An immersion into the study of Latinos, their representations in media, and media oriented to Latinos. The course will require students to engage in in-depth research about Latinos and media issues. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5322. Global Media Strategy in Advertising and Public Relations.
This course provides an in-depth examination of multinational communication organizations, including news media, public relations, and advertising companies. In addition, the course examines organizational roles, impact and strategic functions in a global marketplace. Students will evaluate case studies of how global organizations serve diverse audiences and clients. Prerequisite: MC 5310 with a grade of "B" or better; MC 5302; MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5323. Current Issues in Mass Communication.
This course examines current theoretical and professional issues in mass communication. This course may be repeated once with a different emphasis for credit. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5324. Media Writing.
This course is designed to impart media writing skills. Students will learn information gathering and interviewing skills, and narrative techniques pertinent to different mass media. Students will produce media pieces that could be published across a wide variety of media outlets. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5326. Strategic Communication Campaigns.
A comprehensive study of strategic communication campaign planning with emphasis on public relations and advertising. Students will combine theory and practice to develop, coordinate and evaluate advertising/public relations campaigns for key audiences. Prerequisite: MC 5302; MC 5303; MC 5308 with a grade of "B" or better; MC 5338 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5327. Visual Communication.
This course examines the principles, theories, and language of visual communication, emphasizing the evaluation and use of images in digital mass media. Students will learn about media influences on their perceptions of reality and their behavior, the elements of visual literacy, and multicultural and global perspectives in visual media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5328. Digital Story Production.
This course involves discussion, development and analysis of multimedia stories, documentary video, and digital media. Students explore digital media techniques used in writing and producing multimedia stories. They learn visual aspects of storytelling and how to produce digital stories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5329. Media Systems in Latin America.
Students analyze media systems Latin America within their historical, cultural and political contexts. The course provides a comparative perspective of the role of the media within the region, their national markets and international Latino market. Students will ground these investigations with theories of international communication and information flow. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5330. Internship in Mass Communication.
Students acquire on-the-job experience in an off-campus media setting where they can apply the skills and knowledge acquired through mass communication graduate course work. Requires 180 hours of work off-campus, a written report, a portfolio of work product, and a supervisor's evaluation. Prerequisite: Departmental and Instructor approval. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5332. SXTXState Project.
This course involves attendance at and coverage of the South By Southwest Interactive Conference. Students will prepare for the event, attend panels, interview participants and produce digital content about the experience. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5333. Digital Media Entrepreneurship.
This course explores innovation and creativity associated with digital entrepreneurship. Students will be introduced to important concepts and ideas from thought leaders and innovators at the intersection of media and technology. Students will research and develop their own digital media products. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5334. Storytelling Across Platforms.
Students learn the tools, channels and techniques available for multimedia storytellers The course introduces new and emerging ways to tell stories, including social media, photo and video platforms, branding and audience engagement, mobile media and data visualization. Prerequisite: MC 5328. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5335. Code Camp I.
Students are immersed in programming concepts relevant to communicators. Students will practice document object model manipulation using appropriate software to create interactive Web projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5336.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5336. Code Camp II.
Students are immersed in data and visualization concepts relevant to communicators. Students will create interactive data visualization projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5335.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5337. Global Media in the Connected World.
Students will examine the prospects, challenges and applications of global media in areas such as socioeconomic development, political participation, digital divide, strategic communication, global crises and global entertainment. This course will critically analyze the role and use of traditional, digital and social media in a connected world. Prerequisite: MC 5302; MC 5303; MC 5310 with a grade of "B" or better; MC 5322 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5338. Ethics and Crisis in Strategic Communication.
Students will examine strategic communication practices throughout the stages of a crisis and ethical considerations. Special emphasis is placed on the crisis cycle, media relationships, image restoration, ethical responses, and organizational learning. Prerequisite: MC 5302; MC 5303; MC 5308 with grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5399A. Thesis.
A scholarly study of communication behavior, the purpose of which is to broaden understanding of what mass media do, how they do it, and with what effects. It may be quantitative, historical or rely upon another appropriate methodology. No thesis credit is awarded until student has completed the thesis in MC 5399B. Prerequisite: Completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Mass Communication (Professional Project Option)

Major Program

The School of Journalism and Mass Communication offers an opportunity for media professionals, and recent graduates to expand their education and training within the mass communication field by earning a Master of Arts (M.A.) degree.

Students in the M.A. program take a variety of skills-based and theory courses. The curriculum provides students with the digital and analytic skills needed for the field of mass communication. Students can select to earn the general M.A. in mass communication, or they can decide to declare a concentration in the area of global media, digital media, or strategic communication and take nine hours of coursework centered in their concentration. Courses are offered during the evening, online, or via a hybrid teaching model because a large percentage of students enrolled are working professionals.

Facilities

The Schools' faculty offices, classrooms, Mi lab, media labs, and administrative offices are located in historic Old Main.

Financial Assistance

Graduate assistantships are offered with competitive stipends. Having a graduate assistantship also provides an out-of-state tuition waiver. Assistantship responsibilities include teaching fundamentals of digital media or assisting faculty with research. Most assistantships are assigned in May for the fall term, but assistantships may be available for students who wish to begin the graduate program in the spring.

The School offers limited scholarships for currently enrolled students. Also, the College of Fine Arts and Communication and The Graduate College provide a variety of scholarships for new and returning graduate students. See the various web sites for details.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mass communication or journalism from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- resume/CV including information about educational background, work experience, and extracurricular activities
- statement of purpose including a professional narrative discussing how the skills learned in the curriculum featured in the M.A. program will be applied in current or future careers

- two letters of recommendation from individuals competent to assess the student's capacity to pursue graduate education in mass communication. Students who did not major in mass communication as an undergraduate student should submit at least one of the two letters from a professor in the student's undergraduate major. Students transferring from another institution should submit at least one of the two letters from a professor in the previous institution.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 100 overall
- official IELTS (academic) scores required with a 7.0 overall and
  - minimum individual module scores of 6.5

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Mass Communication requires 36 semester credit hours. All students are required to make a minimum 3.0 GPA in the required courses and a minimum 3.0 GPA in the electives.

Code	Title	Hours
Required Courses		
MC 5302	Research Methods in Mass Communication	3
MC 5303	Theories of Mass Communication	3
MC 5316	Digital Media Issues	3
MC 5324	Media Writing	3
MC 5328	Digital Story Production	3
MC 5313	Media Law and Ethics	3
Advisor may substitute 6 credits of MC coursework.		
Electives		
Choose 15 hours from the following:		15
MC 5301	Mass Media and Society	
MC 5304T	Health Communication Campaigns	
MC 5304Y	Feature Writing	
MC 5306B	The Psychology of Social Media	
MC 5306F	Content Analysis	
MC 5306H	Foundations For Mass Communication Graduate Studies	
MC 5306I	Collecting, Analyzing and Presenting Data	
MC 5306L	Refugees, Nonprofit Organizations and Strategic Communication	
MC 5306M	Social Media Strategies, Campaigns and Analytics	
MC 5306N	Mass Communication History	
MC 5308	Seminar in Strategic Communication	
MC 5309	Gender, Race, and Class in the Media	
MC 5310	Global Media Issues	
MC 5311	Independent Study	
MC 5312	Digital Media Design	
MC 5314	Strategies in Media Management	
MC 5315	Creative Problem Solving in Mass Communication	
MC 5317	Advanced Digital Media	
MC 5318	Media Ethics	
MC 5319	Mass Media and Politics	
MC 5321	Latinos and Media	
MC 5322	Global Media Strategy in Advertising and Public Relations	
MC 5323	Current Issues in Mass Communication	
MC 5326	Strategic Communication Campaigns	
MC 5327	Visual Communication	
MC 5329	Media Systems in Latin America	
MC 5330	Internship in Mass Communication	
MC 5332	SXTXState Project	
MC 5333	Digital Media Entrepreneurship	
MC 5334	Storytelling Across Platforms	
MC 5335	Code Camp I	
MC 5336	Code Camp II	
MC 5337	Global Media in the Connected World	
MC 5338	Ethics and Crisis in Strategic Communication	
MC 5339	Managing Digital Content	
May choose 6 hours of advisor-approved electives from outside the school.		
Project		
MC 5307	Project	3
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Mass Communications: MC

Courses Offered

Mass Communication (MC)

MC 5155. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5255. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5301. Mass Media and Society.
A seminar devoted to analysis and discussion of significant contemporary issues in mass communication, including a study of the history of the development of mass communication media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5302. Research Methods in Mass Communication.
Investigation of the tools and techniques of both qualitative and quantitative research methods used in the study of mass communication, including surveys, content analysis, experimental designs and case studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5303. Theories of Mass Communication.
Examination of the literature of mass communication theory and discussion of theoretical approaches and models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5304T. Health Communication Campaigns.
Provides an overview of the theory and practice of designing, producing and evaluating health-communication campaigns. Examines persuasive approaches to behavioral change as well as audience, message and channel factors in health-campaign development. Emphasizes communication approaches, including mass media, social networking and new media.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MC 5304Y. Feature Writing.
This course provides an in-depth understanding of the technical expertise, research methods, interviewing skills and narrative techniques pertinent to feature writing. The course also explores how to target a feature story to a specific audience and how to submit feature stories for publication to newspapers and magazines, print and online. Prerequisite: MC 5324. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306B. The Psychology of Social Media.
This course reviews social cognitive theories and research about the way social media users both produce and consume social media messages. It will examine clinical psychological and psychiatric effects that take place among social media users who do not have a clinical diagnosis. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306F. Content Analysis.
Content analysis is a systematic way to analyze the content of documented communications, whether they are written, audio/visual or digital. This course will examine the methodological steps involved in conducting a quantitative content analysis, design and execute a content analysis study. Corequisite: MC 5303 or MC5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306H. Foundations For Mass Communication Graduate Studies.
This course will familiarize students with the structure of the mass communication discipline, prominent theorists and historical developments, as well as expose them to the process of research and writing in the discipline of mass communication. Corequisites: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306I. Collecting, Analyzing and Presenting Data.
This course will introduce students to skills for working with data as well as perspectives from which to think critically about the use of data in contemporary society. It will focus on three stages of working with data: collection, analysis and presentation. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306L. Refugees, Nonprofit Organizations and Strategic Communication.
This course analyzes strategic communication of nonprofit organizations serving refugees and asylum seekers. Students are introduced to organizations that serve these marginalized populations in Texas and to the problems, challenges and opportunities these organizations face. Students will conduct research and produce a project on an issue related to this topic. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306M. Social Media Strategies, Campaigns and Analytics.
This course will expose students to the principles and strategies behind social media campaigns. It will discuss the interactions, channels, SEO, and social media metrics used to gauge the success of a social media campaign. Students will also examine successful social media case studies. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306N. Mass Communication History.
History of Mass Media is a course that examines the development of the American mass media, including advertising and public relations, from 1690 to the present. Corequisite: MC 5303, MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306O. Global Media Systems.
This study abroad course prepares students to think critically and analytically about media systems and functions in different countries with emphasis on the location/s of the study abroad program. The course provides students with practical knowledge and insights gained by visiting media organizations abroad. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306P. Global Strategic Communication Practices.
Students will analyze and discuss issues and challenges of contemporary global strategic communication practices and focus on gaining first-hand experience by visiting public relations, advertising and other communication agencies abroad. This course provides professional development and networking opportunities. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5307. Project.
A major communication effort to demonstrate command of the skills necessary to work at advanced levels in mass communication. For example, it may be broadcast documentary, advertising or public relations campaign, or a newspaper series. This course is the master's capstone for those on the professional project track. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5308. Seminar in Strategic Communication.
This course broadens students' understanding of issues related to advertising and public relations through an integrated communication perspective. Students learn the decision-making process, learn what problems real organizations experience and evaluate how they resolve issues in such areas as client-agency relationships, strategic planning/management and globalization. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5309. Gender, Race, and Class in the Media.
This course takes a theoretical approach to the study of representations of gender, race, and class in the mass media. A historical overview will be followed by an in-depth look at current conditions. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5310. Global Media Issues.
This course examines the media systems worldwide in different socioeconomic contexts and studies the patterns of international information flow. The course includes theories governing international communication. Students learn how and why communication takes place between different nations and the impact of this communication on individual nations. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5311. Independent Study.
Study of a special interest that offers academic or professional improvement and growth in the field of Mass Communication. May be repeated once with different emphasis for additional credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5312. Digital Media Design.
This course instructs students in Web development and design. Students learn Hypertext Markup Language (HTML) and Cascading Stylesheets (CSS) coding and are introduced to graphics and multimedia programs and web development frameworks. The class addresses the history and social implications of creating for the web. Prerequisite: MC 5334. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5313. Media Law and Ethics.
Study of laws and regulations as they pertain to media operations and the internal and external codes that guide media behavior. Freedom and responsibilities of the mass media practitioners and institutions will also be explored within the framework of ethical theories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5314. Strategies in Media Management.
This course offers an analysis and discussion of issues involved in digital and other media ownership and operation, including monopoly and competition, labor relations, human resource management and staffing, the politics of workplace supervision and market relations Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5315. Creative Problem Solving in Mass Communication.
This class examines the psychology of creativity and its application in mass communication to media management, broadcasting, advertising, and public relations. Students learn a variety of ideation techniques and structured creative problem solving methods to better understand their own creative thinking process and how to facilitate creative thinking in groups. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5316. Digital Media Issues.
This course will examine the role of digital media, including the Internet, Web and mobile technologies. Issues discussed will include social media and cyberculture research, technology diffusion, data journalism, analytics and the effects of digital technologies on society and culture, with a focus on ethics and regulation. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5317. Advanced Digital Media.
This course builds on web development skills to create interactive presentations and data visualizations. Students are introduced to advanced programming and data concepts relevant to communicators. Theoretical and practical considerations of emerging technologies to the media industry will be integrated with production techniques. Prerequisite: MC 5312. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 5318. Media Ethics.
The study of freedom and responsibilities of mass media practitioners and institutions, explored within the framework of ethical theories. Students will learn philosophical constructs as well as contemporary ethicists. Consideration of values, codes of ethics, moral development, professionalism, and institutional constraints as applied to media of information, persuasion and entertainment. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5319. Mass Media and Politics.
The class will review key literature in the area of mass media and politics. It examines the relationship between the press and the government, as well as how the mass media covers politics at the statewide and national level. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5321. Latinos and Media.
An immersion into the study of Latinos, their representations in media, and media oriented to Latinos. The course will require students to engage in in-depth research about Latinos and media issues. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5322. Global Media Strategy in Advertising and Public Relations.
This course provides an in-depth examination of multinational communication organizations, including news media, public relations, and advertising companies. In addition, the course examines organizational roles, impact and strategic functions in a global marketplace. Students will evaluate case studies of how global organizations serve diverse audiences and clients. Prerequisite: MC 5310 with a grade of "B" or better; MC 5302; MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5323. Current Issues in Mass Communication.
This course examines current theoretical and professional issues in mass communication. This course may be repeated once with a different emphasis for credit. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5324. Media Writing.
This course is designed to impart media writing skills. Students will learn information gathering and interviewing skills, and narrative techniques pertinent to different mass media. Students will produce media pieces that could be published across a wide variety of media outlets. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5326. Strategic Communication Campaigns.
A comprehensive study of strategic communication campaign planning with emphasis on public relations and advertising. Students will combine theory and practice to develop, coordinate and evaluate advertising/public relations campaigns for key audiences. Prerequisite: MC 5302; MC 5303; MC 5308 with a grade of "B" or better; MC 5338 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5327. Visual Communication.
This course examines the principles, theories, and language of visual communication, emphasizing the evaluation and use of images in digital mass media. Students will learn about media influences on their perceptions of reality and their behavior, the elements of visual literacy, and multicultural and global perspectives in visual media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5328. Digital Story Production.
This course involves discussion, development and analysis of multimedia stories, documentary video, and digital media. Students explore digital media techniques used in writing and producing multimedia stories. They learn visual aspects of storytelling and how to produce digital stories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5329. Media Systems in Latin America.
Students analyze media systems Latin America within their historical, cultural and political contexts. The course provides a comparative perspective of the role of the media within the region, their national markets and international Latino market. Students will ground these investigations with theories of international communication and information flow. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5330. Internship in Mass Communication.
Students acquire on-the-job experience in an off-campus media setting where they can apply the skills and knowledge acquired through mass communication graduate course work. Requires 180 hours of work off-campus, a written report, a portfolio of work product, and a supervisor's evaluation. Prerequisite: Departmental and Instructor approval. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5332. SXTXState Project.
This course involves attendance at and coverage of the South By Southwest Interactive Conference. Students will prepare for the event, attend panels, interview participants and produce digital content about the experience. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5333. Digital Media Entrepreneurship.
This course explores innovation and creativity associated with digital entrepreneurship. Students will be introduced to important concepts and ideas from thought leaders and innovators at the intersection of media and technology. Students will research and develop their own digital media products. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5334. Storytelling Across Platforms.
Students learn the tools, channels and techniques available for multimedia storytellers The course introduces new and emerging ways to tell stories, including social media, photo and video platforms, branding and audience engagement, mobile media and data visualization. Prerequisite: MC 5328. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5335. Code Camp I.
Students are immersed in programming concepts relevant to communicators. Students will practice document object model manipulation using appropriate software to create interactive Web projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5336.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5336. Code Camp II.
Students are immersed in data and visualization concepts relevant to communicators. Students will create interactive data visualization projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5335.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5337. Global Media in the Connected World.
Students will examine the prospects, challenges and applications of global media in areas such as socioeconomic development, political participation, digital divide, strategic communication, global crises and global entertainment. This course will critically analyze the role and use of traditional, digital and social media in a connected world. Prerequisite: MC 5302; MC 5303; MC 5310 with a grade of "B" or better; MC 5322 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5338. Ethics and Crisis in Strategic Communication.
Students will examine strategic communication practices throughout the stages of a crisis and ethical considerations. Special emphasis is placed on the crisis cycle, media relationships, image restoration, ethical responses, and organizational learning. Prerequisite: MC 5302; MC 5303; MC 5308 with grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5399A. Thesis.
A scholarly study of communication behavior, the purpose of which is to broaden understanding of what mass media do, how they do it, and with what effects. It may be quantitative, historical or rely upon another appropriate methodology. No thesis credit is awarded until student has completed the thesis in MC 5399B. Prerequisite: Completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

M.A. Major in Mass Communication (Strategic Communication Concentration Professional Project Option)

Major Program

The School of Journalism and Mass Communication offers an opportunity for media professionals, and recent graduates to expand their

education and training within the mass communication field by earning a Master of Arts (M.A.) degree.

Students in the M.A. program take a variety of skills-based and theory courses. The curriculum provides students with the digital and analytic skills needed for the field of mass communication. Students can select to earn the general M.A. in mass communication, or they can decide to declare a concentration in the area of global media, digital media, or strategic communication and take nine hours of coursework centered in their concentration. Courses are offered during the evening, online, or via a hybrid teaching model because a large percentage of students enrolled are working professionals.

Facilities

The Schools' faculty offices, classrooms, Mi lab, media labs, and administrative offices are located in historic Old Main.

Financial Assistance

Graduate assistantships are offered with competitive stipends. Having a graduate assistantship also provides an out-of-state tuition waiver. Assistantship responsibilities include teaching fundamentals of digital media or assisting faculty with research. Most assistantships are assigned in May for the fall term, but assistantships may be available for students who wish to begin the graduate program in the spring.

The School offers limited scholarships for currently enrolled students. Also, the College of Fine Arts and Communication and The Graduate College provide a variety of scholarships for new and returning graduate students. See the various web sites for details.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mass communication or journalism from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- resume/CV including information about educational background, work experience, and extracurricular activities
- statement of purpose including a professional narrative discussing how the skills learned in the curriculum featured in the M.A. program will be applied in current or future careers
- two letters of recommendation from individuals competent to assess the student's capacity to pursue graduate education in mass communication. Students who did not major in mass communication as an undergraduate student should submit at least one of the two letters from a professor in the student's undergraduate major. Students transferring from another institution should submit at least one of the two letters from a professor in the previous institution.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 100 overall
- official IELTS (academic) scores required with a 7.0 overall and
  - minimum individual module scores of 6.5

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Mass Communication concentration in strategic communication requires 36 semester credit hours. All students are required to make a minimum 3.0 GPA in the required courses, a minimum 3.0 GPA in the concentration, and a minimum 3.0 GPA in the electives.

Code	Title	Hours
Required Courses		
MC 5302	Research Methods in Mass Communication	3
MC 5303	Theories of Mass Communication	3
MC 5316	Digital Media Issues	3
MC 5324	Media Writing	3
MC 5328	Digital Story Production	3
MC 5313	Media Law and Ethics	3
Advisor may substitute 6 credits of MC coursework.		
Concentration		
MC 5308	Seminar in Strategic Communication	3
MC 5338	Ethics and Crisis in Strategic Communication	3
MC 5326	Strategic Communication Campaigns	3
Electives		
Choose 6 hours from the following:		6
MC 5301	Mass Media and Society	
MC 5304T	Health Communication Campaigns	
MC 5304Y	Feature Writing	
MC 5306B	The Psychology of Social Media	
MC 5306F	Content Analysis	
MC 5306H	Foundations For Mass Communication Graduate Studies	
MC 5306I	Collecting, Analyzing and Presenting Data	
MC 5306L	Refugees, Nonprofit Organizations and Strategic Communication	
MC 5306M	Social Media Strategies, Campaigns and Analytics	
MC 5306N	Mass Communication History	
MC 5309	Gender, Race, and Class in the Media	
MC 5310	Global Media Issues	
MC 5311	Independent Study	
MC 5312	Digital Media Design	

MC 5314	Strategies in Media Management	
MC 5315	Creative Problem Solving in Mass Communication	
MC 5317	Advanced Digital Media	
MC 5318	Media Ethics	
MC 5319	Mass Media and Politics	
MC 5321	Latinos and Media	
MC 5322	Global Media Strategy in Advertising and Public Relations	
MC 5323	Current Issues in Mass Communication	
MC 5327	Visual Communication	
MC 5329	Media Systems in Latin America	
MC 5330	Internship in Mass Communication	
MC 5332	SXTXState Project	
MC 5333	Digital Media Entrepreneurship	
MC 5334	Storytelling Across Platforms	
MC 5335	Code Camp I	
MC 5336	Code Camp II	
MC 5337	Global Media in the Connected World	
MC 5339	Managing Digital Content	
Project		
MC 5307	Project	3
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Mass Communications: MC

Courses Offered

Mass Communication (MC)

MC 5155. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5255. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5301. Mass Media and Society.
A seminar devoted to analysis and discussion of significant contemporary issues in mass communication, including a study of the history of the development of mass communication media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5302. Research Methods in Mass Communication.
Investigation of the tools and techniques of both qualitative and quantitative research methods used in the study of mass communication, including surveys, content analysis, experimental designs and case studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5303. Theories of Mass Communication.
Examination of the literature of mass communication theory and discussion of theoretical approaches and models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5304T. Health Communication Campaigns.
Provides an overview of the theory and practice of designing, producing and evaluating health-communication campaigns. Examines persuasive approaches to behavioral change as well as audience, message and channel factors in health-campaign development. Emphasizes communication approaches, including mass media, social networking and new media.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MC 5304Y. Feature Writing.
This course provides an in-depth understanding of the technical expertise, research methods, interviewing skills and narrative techniques pertinent to feature writing. The course also explores how to target a feature story to a specific audience and how to submit feature stories for publication to newspapers and magazines, print and online. Prerequisite: MC 5324. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306B. The Psychology of Social Media.
This course reviews social cognitive theories and research about the way social media users both produce and consume social media messages. It will examine clinical psychological and psychiatric effects that take place among social media users who do not have a clinical diagnosis. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306F. Content Analysis.
Content analysis is a systematic way to analyze the content of documented communications, whether they are written, audio/visual or digital. This course will examine the methodological steps involved in conducting a quantitative content analysis, design and execute a content analysis study. Corequisite: MC 5303 or MC5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306H. Foundations For Mass Communication Graduate Studies.
This course will familiarize students with the structure of the mass communication discipline, prominent theorists and historical developments, as well as expose them to the process of research and writing in the discipline of mass communication. Corequisites: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306I. Collecting, Analyzing and Presenting Data.
This course will introduce students to skills for working with data as well as perspectives from which to think critically about the use of data in contemporary society. It will focus on three stages of working with data: collection, analysis and presentation. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306L. Refugees, Nonprofit Organizations and Strategic Communication.
This course analyzes strategic communication of nonprofit organizations serving refugees and asylum seekers. Students are introduced to organizations that serve these marginalized populations in Texas and to the problems, challenges and opportunities these organizations face. Students will conduct research and produce a project on an issue related to this topic. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306M. Social Media Strategies, Campaigns and Analytics.
This course will expose students to the principles and strategies behind social media campaigns. It will discuss the interactions, channels, SEO, and social media metrics used to gauge the success of a social media campaign. Students will also examine successful social media case studies. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306N. Mass Communication History.
History of Mass Media is a course that examines the development of the American mass media, including advertising and public relations, from 1690 to the present. Corequisite: MC 5303, MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306O. Global Media Systems.
This study abroad course prepares students to think critically and analytically about media systems and functions in different countries with emphasis on the location/s of the study abroad program. The course provides students with practical knowledge and insights gained by visiting media organizations abroad. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306P. Global Strategic Communication Practices.
Students will analyze and discuss issues and challenges of contemporary global strategic communication practices and focus on gaining first-hand experience by visiting public relations, advertising and other communication agencies abroad. This course provides professional development and networking opportunities. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5307. Project.
A major communication effort to demonstrate command of the skills necessary to work at advanced levels in mass communication. For example, it may be broadcast documentary, advertising or public relations campaign, or a newspaper series. This course is the master's capstone for those on the professional project track. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5308. Seminar in Strategic Communication.
This course broadens students' understanding of issues related to advertising and public relations through an integrated communication perspective. Students learn the decision-making process, learn what problems real organizations experience and evaluate how they resolve issues in such areas as client-agency relationships, strategic planning/management and globalization. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5309. Gender, Race, and Class in the Media.
This course takes a theoretical approach to the study of representations of gender, race, and class in the mass media. A historical overview will be followed by an in-depth look at current conditions. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5310. Global Media Issues.
This course examines the media systems worldwide in different socioeconomic contexts and studies the patterns of international information flow. The course includes theories governing international communication. Students learn how and why communication takes place between different nations and the impact of this communication on individual nations. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5311. Independent Study.
Study of a special interest that offers academic or professional improvement and growth in the field of Mass Communication. May be repeated once with different emphasis for additional credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5312. Digital Media Design.
This course instructs students in Web development and design. Students learn Hypertext Markup Language (HTML) and Cascading Stylesheets (CSS) coding and are introduced to graphics and multimedia programs and web development frameworks. The class addresses the history and social implications of creating for the web. Prerequisite: MC 5334. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5313. Media Law and Ethics.
Study of laws and regulations as they pertain to media operations and the internal and external codes that guide media behavior. Freedom and responsibilities of the mass media practitioners and institutions will also be explored within the framework of ethical theories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5314. Strategies in Media Management.
This course offers an analysis and discussion of issues involved in digital and other media ownership and operation, including monopoly and competition, labor relations, human resource management and staffing, the politics of workplace supervision and market relations Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5315. Creative Problem Solving in Mass Communication.
This class examines the psychology of creativity and its application in mass communication to media management, broadcasting, advertising, and public relations. Students learn a variety of ideation techniques and structured creative problem solving methods to better understand their own creative thinking process and how to facilitate creative thinking in groups. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5316. Digital Media Issues.
This course will examine the role of digital media, including the Internet, Web and mobile technologies. Issues discussed will include social media and cyberculture research, technology diffusion, data journalism, analytics and the effects of digital technologies on society and culture, with a focus on ethics and regulation. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5317. Advanced Digital Media.
This course builds on web development skills to create interactive presentations and data visualizations. Students are introduced to advanced programming and data concepts relevant to communicators. Theoretical and practical considerations of emerging technologies to the media industry will be integrated with production techniques. Prerequisite: MC 5312. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 5318. Media Ethics.
The study of freedom and responsibilities of mass media practitioners and institutions, explored within the framework of ethical theories. Students will learn philosophical constructs as well as contemporary ethicists. Consideration of values, codes of ethics, moral development, professionalism, and institutional constraints as applied to media of information, persuasion and entertainment. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5319. Mass Media and Politics.
The class will review key literature in the area of mass media and politics. It examines the relationship between the press and the government, as well as how the mass media covers politics at the statewide and national level. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5321. Latinos and Media.
An immersion into the study of Latinos, their representations in media, and media oriented to Latinos. The course will require students to engage in in-depth research about Latinos and media issues. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5322. Global Media Strategy in Advertising and Public Relations.
This course provides an in-depth examination of multinational communication organizations, including news media, public relations, and advertising companies. In addition, the course examines organizational roles, impact and strategic functions in a global marketplace. Students will evaluate case studies of how global organizations serve diverse audiences and clients. Prerequisite: MC 5310 with a grade of "B" or better; MC 5302; MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5323. Current Issues in Mass Communication.
This course examines current theoretical and professional issues in mass communication. This course may be repeated once with a different emphasis for credit. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5324. Media Writing.
This course is designed to impart media writing skills. Students will learn information gathering and interviewing skills, and narrative techniques pertinent to different mass media. Students will produce media pieces that could be published across a wide variety of media outlets. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5326. Strategic Communication Campaigns.
A comprehensive study of strategic communication campaign planning with emphasis on public relations and advertising. Students will combine theory and practice to develop, coordinate and evaluate advertising/public relations campaigns for key audiences. Prerequisite: MC 5302; MC 5303; MC 5308 with a grade of "B" or better; MC 5338 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5327. Visual Communication.
This course examines the principles, theories, and language of visual communication, emphasizing the evaluation and use of images in digital mass media. Students will learn about media influences on their perceptions of reality and their behavior, the elements of visual literacy, and multicultural and global perspectives in visual media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5328. Digital Story Production.
This course involves discussion, development and analysis of multimedia stories, documentary video, and digital media. Students explore digital media techniques used in writing and producing multimedia stories. They learn visual aspects of storytelling and how to produce digital stories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5329. Media Systems in Latin America.
Students analyze media systems Latin America within their historical, cultural and political contexts. The course provides a comparative perspective of the role of the media within the region, their national markets and international Latino market. Students will ground these investigations with theories of international communication and information flow. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5330. Internship in Mass Communication.
Students acquire on-the-job experience in an off-campus media setting where they can apply the skills and knowledge acquired through mass communication graduate course work. Requires 180 hours of work off-campus, a written report, a portfolio of work product, and a supervisor's evaluation. Prerequisite: Departmental and Instructor approval. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5332. SXTXState Project.
This course involves attendance at and coverage of the South By Southwest Interactive Conference. Students will prepare for the event, attend panels, interview participants and produce digital content about the experience. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5333. Digital Media Entrepreneurship.
This course explores innovation and creativity associated with digital entrepreneurship. Students will be introduced to important concepts and ideas from thought leaders and innovators at the intersection of media and technology. Students will research and develop their own digital media products. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5334. Storytelling Across Platforms.
Students learn the tools, channels and techniques available for multimedia storytellers The course introduces new and emerging ways to tell stories, including social media, photo and video platforms, branding and audience engagement, mobile media and data visualization. Prerequisite: MC 5328. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5335. Code Camp I.
Students are immersed in programming concepts relevant to communicators. Students will practice document object model manipulation using appropriate software to create interactive Web projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5336.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5336. Code Camp II.
Students are immersed in data and visualization concepts relevant to communicators. Students will create interactive data visualization projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5335.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5337. Global Media in the Connected World.
Students will examine the prospects, challenges and applications of global media in areas such as socioeconomic development, political participation, digital divide, strategic communication, global crises and global entertainment. This course will critically analyze the role and use of traditional, digital and social media in a connected world. Prerequisite: MC 5302; MC 5303; MC 5310 with a grade of "B" or better; MC 5322 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5338. Ethics and Crisis in Strategic Communication.
Students will examine strategic communication practices throughout the stages of a crisis and ethical considerations. Special emphasis is placed on the crisis cycle, media relationships, image restoration, ethical responses, and organizational learning. Prerequisite: MC 5302; MC 5303; MC 5308 with grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5399A. Thesis.
A scholarly study of communication behavior, the purpose of which is to broaden understanding of what mass media do, how they do it, and with what effects. It may be quantitative, historical or rely upon another appropriate methodology. No thesis credit is awarded until student has completed the thesis in MC 5399B. Prerequisite: Completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Mass Communication (Strategic Communication Concentration Thesis Option)

Major Program

The School of Journalism and Mass Communication offers an opportunity for media professionals, and recent graduates to expand their education and training within the mass communication field by earning a Master of Arts (M.A.) degree.

Students in the M.A. program take a variety of skills-based and theory courses. The curriculum provides students with the digital and analytic skills needed for the field of mass communication. Students can select to earn the general M.A. in mass communication, or they can decide to declare a concentration in the area of global media, digital media, or strategic communication and take nine hours of coursework centered in their concentration. Courses are offered during the evening, online, or via a hybrid teaching model because a large percentage of students enrolled are working professionals.

Facilities

The Schools' faculty offices, classrooms, Mi lab, media labs, and administrative offices are located in historic Old Main.

Financial Assistance

Graduate assistantships are offered with competitive stipends. Having a graduate assistantship also provides an out-of-state tuition waiver. Assistantship responsibilities include teaching fundamentals of digital media or assisting faculty with research. Most assistantships are assigned in May for the fall term, but assistantships may be available for students who wish to begin the graduate program in the spring.

The School offers limited scholarships for currently enrolled students. Also, the College of Fine Arts and Communication and The Graduate College provide a variety of scholarships for new and returning graduate students. See the various web sites for details.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mass communication or journalism from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- resume/CV including information about educational background, work experience, and extracurricular activities
- statement of purpose including a professional narrative discussing how the skills learned in the curriculum featured in the M.A. program will be applied in current or future careers

- two letters of recommendation from individuals competent to assess the student's capacity to pursue graduate education in mass communication. Students who did not major in mass communication as an undergraduate student should submit at least one of the two letters from a professor in the student's undergraduate major. Students transferring from another institution should submit at least one of the two letters from a professor in the previous institution.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 100 overall
- official IELTS (academic) scores required with a 7.0 overall and
  - minimum individual module scores of 6.5

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Mass Communication concentration in strategic communication requires 33 semester credit hours, including a thesis. All students are required to make a minimum 3.0 GPA in the required courses, a minimum 3.0 GPA in the concentration, and a minimum 3.0 GPA in the electives.

Code	Title	Hours
Required Courses		
MC 5302	Research Methods in Mass Communication	3
MC 5303	Theories of Mass Communication	3
MC 5316	Digital Media Issues	3
MC 5324	Media Writing	3
MC 5328	Digital Story Production	3
MC 5313	Media Law and Ethics	3
Advisor may substitute 6 credits of MC coursework.		
Concentration		
MC 5308	Seminar in Strategic Communication	3
MC 5338	Ethics and Crisis in Strategic Communication	3
MC 5326	Strategic Communication Campaigns	3
Thesis		
MC 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
MC 5199B	Thesis	
MC 5299B	Thesis	
MC 5399B	Thesis	
MC 5599B	Thesis	
MC 5999B	Thesis	
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being

made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Mass Communications: MC

Courses Offered

Mass Communication (MC)

MC 5155. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5255. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5301. Mass Media and Society.
A seminar devoted to analysis and discussion of significant contemporary issues in mass communication, including a study of the history of the development of mass communication media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5302. Research Methods in Mass Communication.
Investigation of the tools and techniques of both qualitative and quantitative research methods used in the study of mass communication, including surveys, content analysis, experimental designs and case studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5303. Theories of Mass Communication.
Examination of the literature of mass communication theory and discussion of theoretical approaches and models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5304T. Health Communication Campaigns.
Provides an overview of the theory and practice of designing, producing and evaluating health-communication campaigns. Examines persuasive approaches to behavioral change as well as audience, message and channel factors in health-campaign development. Emphasizes communication approaches, including mass media, social networking and new media.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MC 5304Y. Feature Writing.
This course provides an in-depth understanding of the technical expertise, research methods, interviewing skills and narrative techniques pertinent to feature writing. The course also explores how to target a feature story to a specific audience and how to submit feature stories for publication to newspapers and magazines, print and online. Prerequisite: MC 5324. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306B. The Psychology of Social Media.
This course reviews social cognitive theories and research about the way social media users both produce and consume social media messages. It will examine clinical psychological and psychiatric effects that take place among social media users who do not have a clinical diagnosis. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306F. Content Analysis.
Content analysis is a systematic way to analyze the content of documented communications, whether they are written, audio/visual or digital. This course will examine the methodological steps involved in conducting a quantitative content analysis, design and execute a content analysis study. Corequisite: MC 5303 or MC5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306H. Foundations For Mass Communication Graduate Studies.
This course will familiarize students with the structure of the mass communication discipline, prominent theorists and historical developments, as well as expose them to the process of research and writing in the discipline of mass communication. Corequisites: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306I. Collecting, Analyzing and Presenting Data.
This course will introduce students to skills for working with data as well as perspectives from which to think critically about the use of data in contemporary society. It will focus on three stages of working with data: collection, analysis and presentation. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306L. Refugees, Nonprofit Organizations and Strategic Communication.
This course analyzes strategic communication of nonprofit organizations serving refugees and asylum seekers. Students are introduced to organizations that serve these marginalized populations in Texas and to the problems, challenges and opportunities these organizations face. Students will conduct research and produce a project on an issue related to this topic. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306M. Social Media Strategies, Campaigns and Analytics.
This course will expose students to the principles and strategies behind social media campaigns. It will discuss the interactions, channels, SEO, and social media metrics used to gauge the success of a social media campaign. Students will also examine successful social media case studies. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306N. Mass Communication History.
History of Mass Media is a course that examines the development of the American mass media, including advertising and public relations, from 1690 to the present. Corequisite: MC 5303, MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306O. Global Media Systems.
This study abroad course prepares students to think critically and analytically about media systems and functions in different countries with emphasis on the location/s of the study abroad program. The course provides students with practical knowledge and insights gained by visiting media organizations abroad. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306P. Global Strategic Communication Practices.
Students will analyze and discuss issues and challenges of contemporary global strategic communication practices and focus on gaining first-hand experience by visiting public relations, advertising and other communication agencies abroad. This course provides professional development and networking opportunities. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5307. Project.
A major communication effort to demonstrate command of the skills necessary to work at advanced levels in mass communication. For example, it may be broadcast documentary, advertising or public relations campaign, or a newspaper series. This course is the master's capstone for those on the professional project track. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5308. Seminar in Strategic Communication.
This course broadens students' understanding of issues related to advertising and public relations through an integrated communication perspective. Students learn the decision-making process, learn what problems real organizations experience and evaluate how they resolve issues in such areas as client-agency relationships, strategic planning/management and globalization. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5309. Gender, Race, and Class in the Media.
This course takes a theoretical approach to the study of representations of gender, race, and class in the mass media. A historical overview will be followed by an in-depth look at current conditions. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5310. Global Media Issues.
This course examines the media systems worldwide in different socioeconomic contexts and studies the patterns of international information flow. The course includes theories governing international communication. Students learn how and why communication takes place between different nations and the impact of this communication on individual nations. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5311. Independent Study.
Study of a special interest that offers academic or professional improvement and growth in the field of Mass Communication. May be repeated once with different emphasis for additional credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5312. Digital Media Design.
This course instructs students in Web development and design. Students learn Hypertext Markup Language (HTML) and Cascading Stylesheets (CSS) coding and are introduced to graphics and multimedia programs and web development frameworks. The class addresses the history and social implications of creating for the web. Prerequisite: MC 5334. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5313. Media Law and Ethics.
Study of laws and regulations as they pertain to media operations and the internal and external codes that guide media behavior. Freedom and responsibilities of the mass media practitioners and institutions will also be explored within the framework of ethical theories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5314. Strategies in Media Management.
This course offers an analysis and discussion of issues involved in digital and other media ownership and operation, including monopoly and competition, labor relations, human resource management and staffing, the politics of workplace supervision and market relations Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5315. Creative Problem Solving in Mass Communication.
This class examines the psychology of creativity and its application in mass communication to media management, broadcasting, advertising, and public relations. Students learn a variety of ideation techniques and structured creative problem solving methods to better understand their own creative thinking process and how to facilitate creative thinking in groups. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5316. Digital Media Issues.
This course will examine the role of digital media, including the Internet, Web and mobile technologies. Issues discussed will include social media and cyberculture research, technology diffusion, data journalism, analytics and the effects of digital technologies on society and culture, with a focus on ethics and regulation. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5317. Advanced Digital Media.
This course builds on web development skills to create interactive presentations and data visualizations. Students are introduced to advanced programming and data concepts relevant to communicators. Theoretical and practical considerations of emerging technologies to the media industry will be integrated with production techniques. Prerequisite: MC 5312. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 5318. Media Ethics.
The study of freedom and responsibilities of mass media practitioners and institutions, explored within the framework of ethical theories. Students will learn philosophical constructs as well as contemporary ethicists. Consideration of values, codes of ethics, moral development, professionalism, and institutional constraints as applied to media of information, persuasion and entertainment. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5319. Mass Media and Politics.
The class will review key literature in the area of mass media and politics. It examines the relationship between the press and the government, as well as how the mass media covers politics at the statewide and national level. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5321. Latinos and Media.
An immersion into the study of Latinos, their representations in media, and media oriented to Latinos. The course will require students to engage in in-depth research about Latinos and media issues. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5322. Global Media Strategy in Advertising and Public Relations.
This course provides an in-depth examination of multinational communication organizations, including news media, public relations, and advertising companies. In addition, the course examines organizational roles, impact and strategic functions in a global marketplace. Students will evaluate case studies of how global organizations serve diverse audiences and clients. Prerequisite: MC 5310 with a grade of "B" or better; MC 5302; MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5323. Current Issues in Mass Communication.
This course examines current theoretical and professional issues in mass communication. This course may be repeated once with a different emphasis for credit. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5324. Media Writing.
This course is designed to impart media writing skills. Students will learn information gathering and interviewing skills, and narrative techniques pertinent to different mass media. Students will produce media pieces that could be published across a wide variety of media outlets. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5326. Strategic Communication Campaigns.
A comprehensive study of strategic communication campaign planning with emphasis on public relations and advertising. Students will combine theory and practice to develop, coordinate and evaluate advertising/public relations campaigns for key audiences. Prerequisite: MC 5302; MC 5303; MC 5308 with a grade of "B" or better; MC 5338 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5327. Visual Communication.
This course examines the principles, theories, and language of visual communication, emphasizing the evaluation and use of images in digital mass media. Students will learn about media influences on their perceptions of reality and their behavior, the elements of visual literacy, and multicultural and global perspectives in visual media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5328. Digital Story Production.
This course involves discussion, development and analysis of multimedia stories, documentary video, and digital media. Students explore digital media techniques used in writing and producing multimedia stories. They learn visual aspects of storytelling and how to produce digital stories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5329. Media Systems in Latin America.
Students analyze media systems Latin America within their historical, cultural and political contexts. The course provides a comparative perspective of the role of the media within the region, their national markets and international Latino market. Students will ground these investigations with theories of international communication and information flow. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5330. Internship in Mass Communication.
Students acquire on-the-job experience in an off-campus media setting where they can apply the skills and knowledge acquired through mass communication graduate course work. Requires 180 hours of work off-campus, a written report, a portfolio of work product, and a supervisor's evaluation. Prerequisite: Departmental and Instructor approval. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5332. SXTXState Project.
This course involves attendance at and coverage of the South By Southwest Interactive Conference. Students will prepare for the event, attend panels, interview participants and produce digital content about the experience. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5333. Digital Media Entrepreneurship.
This course explores innovation and creativity associated with digital entrepreneurship. Students will be introduced to important concepts and ideas from thought leaders and innovators at the intersection of media and technology. Students will research and develop their own digital media products. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5334. Storytelling Across Platforms.
Students learn the tools, channels and techniques available for multimedia storytellers The course introduces new and emerging ways to tell stories, including social media, photo and video platforms, branding and audience engagement, mobile media and data visualization. Prerequisite: MC 5328. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5335. Code Camp I.
Students are immersed in programming concepts relevant to communicators. Students will practice document object model manipulation using appropriate software to create interactive Web projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5336.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5336. Code Camp II.
Students are immersed in data and visualization concepts relevant to communicators. Students will create interactive data visualization projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5335.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5337. Global Media in the Connected World.
Students will examine the prospects, challenges and applications of global media in areas such as socioeconomic development, political participation, digital divide, strategic communication, global crises and global entertainment. This course will critically analyze the role and use of traditional, digital and social media in a connected world. Prerequisite: MC 5302; MC 5303; MC 5310 with a grade of "B" or better; MC 5322 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5338. Ethics and Crisis in Strategic Communication.
Students will examine strategic communication practices throughout the stages of a crisis and ethical considerations. Special emphasis is placed on the crisis cycle, media relationships, image restoration, ethical responses, and organizational learning. Prerequisite: MC 5302; MC 5303; MC 5308 with grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5399A. Thesis.
A scholarly study of communication behavior, the purpose of which is to broaden understanding of what mass media do, how they do it, and with what effects. It may be quantitative, historical or rely upon another appropriate methodology. No thesis credit is awarded until student has completed the thesis in MC 5399B. Prerequisite: Completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Mass Communication (Thesis Option)

Major Program

The School of Journalism and Mass Communication offers an opportunity for media professionals, and recent graduates to expand their education and training within the mass communication field by earning a Master of Arts (M.A.) degree.

Students in the M.A. program take a variety of skills-based and theory courses. The curriculum provides students with the digital and analytic skills needed for the field of mass communication. Students can select to earn the general M.A. in mass communication, or they can decide to declare a concentration in the area of global media, digital media, or strategic communication and take nine hours of coursework centered in their concentration. Courses are offered during the evening, online, or via a hybrid teaching model because a large percentage of students enrolled are working professionals.

Facilities

The Schools' faculty offices, classrooms, Mi lab, media labs, and administrative offices are located in historic Old Main.

Financial Assistance

Graduate assistantships are offered with competitive stipends. Having a graduate assistantship also provides an out-of-state tuition waiver. Assistantship responsibilities include teaching fundamentals of digital media or assisting faculty with research. Most assistantships are assigned in May for the fall term, but assistantships may be available for students who wish to begin the graduate program in the spring.

The School offers limited scholarships for currently enrolled students. Also, the College of Fine Arts and Communication and The Graduate College provide a variety of scholarships for new and returning graduate students. See the various web sites for details.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mass communication or journalism from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- resume/CV including information about educational background, work experience, and extracurricular activities
- statement of purpose including a professional narrative discussing how the skills learned in the curriculum featured in the M.A. program will be applied in current or future careers
- two letters of recommendation from individuals competent to assess the student's capacity to pursue graduate education in mass communication. Students who did not major in mass communication as an undergraduate student should submit at least one of the two letters from a professor in the student's undergraduate major. Students transferring from another institution should submit at least one of the two letters from a professor in the previous institution.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 100 overall
- official IELTS (academic) scores required with a 7.0 overall and
  - minimum individual module scores of 6.5

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Mass Communication requires 33 semester credit hours, including a thesis. All students are required to make a minimum 3.0 GPA in the required courses and a minimum 3.0 GPA in the electives.

Course Requirements

Code	Title	Hours
Required Courses		
MC 5302	Research Methods in Mass Communication	3
MC 5303	Theories of Mass Communication	3
MC 5316	Digital Media Issues	3
MC 5324	Media Writing	3
MC 5328	Digital Story Production	3
MC 5313	Media Law and Ethics	3
Advisor may substitute 6 credits of MC coursework.		
Electives		
Choose 9 hours from the following:		9
MC 5301	Mass Media and Society	
MC 5304T	Health Communication Campaigns	
MC 5304Y	Feature Writing	
MC 5306B	The Psychology of Social Media	
MC 5306F	Content Analysis	
MC 5306H	Foundations For Mass Communication Graduate Studies	
MC 5306I	Collecting, Analyzing and Presenting Data	
MC 5306L	Refugees, Nonprofit Organizations and Strategic Communication	
MC 5306M	Social Media Strategies, Campaigns and Analytics	
MC 5306N	Mass Communication History	
MC 5308	Seminar in Strategic Communication	
MC 5309	Gender, Race, and Class in the Media	
MC 5310	Global Media Issues	
MC 5311	Independent Study	
MC 5312	Digital Media Design	
MC 5314	Strategies in Media Management	
MC 5315	Creative Problem Solving in Mass Communication	
MC 5317	Advanced Digital Media	
MC 5318	Media Ethics	
MC 5319	Mass Media and Politics	
MC 5321	Latinos and Media	
MC 5322	Global Media Strategy in Advertising and Public Relations	
MC 5323	Current Issues in Mass Communication	
MC 5326	Strategic Communication Campaigns	
MC 5327	Visual Communication	
MC 5329	Media Systems in Latin America	
MC 5330	Internship in Mass Communication	
MC 5332	SXTXState Project	
MC 5333	Digital Media Entrepreneurship	
MC 5334	Storytelling Across Platforms	
MC 5335	Code Camp I	
MC 5336	Code Camp II	
MC 5337	Global Media in the Connected World	
MC 5338	Ethics and Crisis in Strategic Communication	
MC 5339	Managing Digital Content	
May choose 6 hours of advisor-approved electives from outside the school.		
Thesis		
MC 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
MC 5199B	Thesis	
MC 5299B	Thesis	
MC 5399B	Thesis	

MC 5599B	Thesis	
MC 5999B	Thesis	
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process.

Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Mass Communications: MC

Courses Offered

Mass Communication (MC)

MC 5155. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5255. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5301. Mass Media and Society.
A seminar devoted to analysis and discussion of significant contemporary issues in mass communication, including a study of the history of the development of mass communication media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5302. Research Methods in Mass Communication.
Investigation of the tools and techniques of both qualitative and quantitative research methods used in the study of mass communication, including surveys, content analysis, experimental designs and case studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5303. Theories of Mass Communication.
Examination of the literature of mass communication theory and discussion of theoretical approaches and models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5304T. Health Communication Campaigns.
Provides an overview of the theory and practice of designing, producing and evaluating health-communication campaigns. Examines persuasive approaches to behavioral change as well as audience, message and channel factors in health-campaign development. Emphasizes communication approaches, including mass media, social networking and new media.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MC 5304Y. Feature Writing.
This course provides an in-depth understanding of the technical expertise, research methods, interviewing skills and narrative techniques pertinent to feature writing. The course also explores how to target a feature story to a specific audience and how to submit feature stories for publication to newspapers and magazines, print and online. Prerequisite: MC 5324. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306B. The Psychology of Social Media.
This course reviews social cognitive theories and research about the way social media users both produce and consume social media messages. It will examine clinical psychological and psychiatric effects that take place among social media users who do not have a clinical diagnosis. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306F. Content Analysis.
Content analysis is a systematic way to analyze the content of documented communications, whether they are written, audio/visual or digital. This course will examine the methodological steps involved in conducting a quantitative content analysis, design and execute a content analysis study. Corequisite: MC 5303 or MC5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306H. Foundations For Mass Communication Graduate Studies.
This course will familiarize students with the structure of the mass communication discipline, prominent theorists and historical developments, as well as expose them to the process of research and writing in the discipline of mass communication. Corequisites: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306I. Collecting, Analyzing and Presenting Data.
This course will introduce students to skills for working with data as well as perspectives from which to think critically about the use of data in contemporary society. It will focus on three stages of working with data: collection, analysis and presentation. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306L. Refugees, Nonprofit Organizations and Strategic Communication.
This course analyzes strategic communication of nonprofit organizations serving refugees and asylum seekers. Students are introduced to organizations that serve these marginalized populations in Texas and to the problems, challenges and opportunities these organizations face. Students will conduct research and produce a project on an issue related to this topic. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306M. Social Media Strategies, Campaigns and Analytics.
This course will expose students to the principles and strategies behind social media campaigns. It will discuss the interactions, channels, SEO, and social media metrics used to gauge the success of a social media campaign. Students will also examine successful social media case studies. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306N. Mass Communication History.
History of Mass Media is a course that examines the development of the American mass media, including advertising and public relations, from 1690 to the present. Corequisite: MC 5303, MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306O. Global Media Systems.
This study abroad course prepares students to think critically and analytically about media systems and functions in different countries with emphasis on the location/s of the study abroad program. The course provides students with practical knowledge and insights gained by visiting media organizations abroad. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306P. Global Strategic Communication Practices.
Students will analyze and discuss issues and challenges of contemporary global strategic communication practices and focus on gaining first-hand experience by visiting public relations, advertising and other communication agencies abroad. This course provides professional development and networking opportunities. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5307. Project.
A major communication effort to demonstrate command of the skills necessary to work at advanced levels in mass communication. For example, it may be broadcast documentary, advertising or public relations campaign, or a newspaper series. This course is the master's capstone for those on the professional project track. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5308. Seminar in Strategic Communication.
This course broadens students' understanding of issues related to advertising and public relations through an integrated communication perspective. Students learn the decision-making process, learn what problems real organizations experience and evaluate how they resolve issues in such areas as client-agency relationships, strategic planning/management and globalization. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5309. Gender, Race, and Class in the Media.
This course takes a theoretical approach to the study of representations of gender, race, and class in the mass media. A historical overview will be followed by an in-depth look at current conditions. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5310. Global Media Issues.
This course examines the media systems worldwide in different socioeconomic contexts and studies the patterns of international information flow. The course includes theories governing international communication. Students learn how and why communication takes place between different nations and the impact of this communication on individual nations. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5311. Independent Study.
Study of a special interest that offers academic or professional improvement and growth in the field of Mass Communication. May be repeated once with different emphasis for additional credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5312. Digital Media Design.
This course instructs students in Web development and design. Students learn Hypertext Markup Language (HTML) and Cascading Stylesheets (CSS) coding and are introduced to graphics and multimedia programs and web development frameworks. The class addresses the history and social implications of creating for the web. Prerequisite: MC 5334. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5313. Media Law and Ethics.
Study of laws and regulations as they pertain to media operations and the internal and external codes that guide media behavior. Freedom and responsibilities of the mass media practitioners and institutions will also be explored within the framework of ethical theories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5314. Strategies in Media Management.
This course offers an analysis and discussion of issues involved in digital and other media ownership and operation, including monopoly and competition, labor relations, human resource management and staffing, the politics of workplace supervision and market relations Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5315. Creative Problem Solving in Mass Communication.
This class examines the psychology of creativity and its application in mass communication to media management, broadcasting, advertising, and public relations. Students learn a variety of ideation techniques and structured creative problem solving methods to better understand their own creative thinking process and how to facilitate creative thinking in groups. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5316. Digital Media Issues.
This course will examine the role of digital media, including the Internet, Web and mobile technologies. Issues discussed will include social media and cyberculture research, technology diffusion, data journalism, analytics and the effects of digital technologies on society and culture, with a focus on ethics and regulation. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5317. Advanced Digital Media.
This course builds on web development skills to create interactive presentations and data visualizations. Students are introduced to advanced programming and data concepts relevant to communicators. Theoretical and practical considerations of emerging technologies to the media industry will be integrated with production techniques. Prerequisite: MC 5312. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 5318. Media Ethics.
The study of freedom and responsibilities of mass media practitioners and institutions, explored within the framework of ethical theories. Students will learn philosophical constructs as well as contemporary ethicists. Consideration of values, codes of ethics, moral development, professionalism, and institutional constraints as applied to media of information, persuasion and entertainment. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5319. Mass Media and Politics.
The class will review key literature in the area of mass media and politics. It examines the relationship between the press and the government, as well as how the mass media covers politics at the statewide and national level. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5321. Latinos and Media.
An immersion into the study of Latinos, their representations in media, and media oriented to Latinos. The course will require students to engage in in-depth research about Latinos and media issues. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5322. Global Media Strategy in Advertising and Public Relations.
This course provides an in-depth examination of multinational communication organizations, including news media, public relations, and advertising companies. In addition, the course examines organizational roles, impact and strategic functions in a global marketplace. Students will evaluate case studies of how global organizations serve diverse audiences and clients. Prerequisite: MC 5310 with a grade of "B" or better; MC 5302; MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5323. Current Issues in Mass Communication.
This course examines current theoretical and professional issues in mass communication. This course may be repeated once with a different emphasis for credit. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5324. Media Writing.
This course is designed to impart media writing skills. Students will learn information gathering and interviewing skills, and narrative techniques pertinent to different mass media. Students will produce media pieces that could be published across a wide variety of media outlets. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5326. Strategic Communication Campaigns.
A comprehensive study of strategic communication campaign planning with emphasis on public relations and advertising. Students will combine theory and practice to develop, coordinate and evaluate advertising/public relations campaigns for key audiences. Prerequisite: MC 5302; MC 5303; MC 5308 with a grade of "B" or better; MC 5338 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5327. Visual Communication.
This course examines the principles, theories, and language of visual communication, emphasizing the evaluation and use of images in digital mass media. Students will learn about media influences on their perceptions of reality and their behavior, the elements of visual literacy, and multicultural and global perspectives in visual media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5328. Digital Story Production.
This course involves discussion, development and analysis of multimedia stories, documentary video, and digital media. Students explore digital media techniques used in writing and producing multimedia stories. They learn visual aspects of storytelling and how to produce digital stories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5329. Media Systems in Latin America.
Students analyze media systems Latin America within their historical, cultural and political contexts. The course provides a comparative perspective of the role of the media within the region, their national markets and international Latino market. Students will ground these investigations with theories of international communication and information flow. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5330. Internship in Mass Communication.
Students acquire on-the-job experience in an off-campus media setting where they can apply the skills and knowledge acquired through mass communication graduate course work. Requires 180 hours of work off-campus, a written report, a portfolio of work product, and a supervisor's evaluation. Prerequisite: Departmental and Instructor approval. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5332. SXTXState Project.
This course involves attendance at and coverage of the South By Southwest Interactive Conference. Students will prepare for the event, attend panels, interview participants and produce digital content about the experience. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5333. Digital Media Entrepreneurship.
This course explores innovation and creativity associated with digital entrepreneurship. Students will be introduced to important concepts and ideas from thought leaders and innovators at the intersection of media and technology. Students will research and develop their own digital media products. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5334. Storytelling Across Platforms.
Students learn the tools, channels and techniques available for multimedia storytellers The course introduces new and emerging ways to tell stories, including social media, photo and video platforms, branding and audience engagement, mobile media and data visualization. Prerequisite: MC 5328. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5335. Code Camp I.
Students are immersed in programming concepts relevant to communicators. Students will practice document object model manipulation using appropriate software to create interactive Web projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5336.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5336. Code Camp II.
Students are immersed in data and visualization concepts relevant to communicators. Students will create interactive data visualization projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5335.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5337. Global Media in the Connected World.
Students will examine the prospects, challenges and applications of global media in areas such as socioeconomic development, political participation, digital divide, strategic communication, global crises and global entertainment. This course will critically analyze the role and use of traditional, digital and social media in a connected world. Prerequisite: MC 5302; MC 5303; MC 5310 with a grade of "B" or better; MC 5322 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5338. Ethics and Crisis in Strategic Communication.
Students will examine strategic communication practices throughout the stages of a crisis and ethical considerations. Special emphasis is placed on the crisis cycle, media relationships, image restoration, ethical responses, and organizational learning. Prerequisite: MC 5302; MC 5303; MC 5308 with grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5399A. Thesis.
A scholarly study of communication behavior, the purpose of which is to broaden understanding of what mass media do, how they do it, and with what effects. It may be quantitative, historical or rely upon another appropriate methodology. No thesis credit is awarded until student has completed the thesis in MC 5399B. Prerequisite: Completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

School of Music

Music Building Room 101
Telephone: 512-245-2651 Fax: 512-245-8181
Email: music@txstate.edu
http://www.music.txstate.edu/

Mission Statement

The School of Music is committed to excellence in music teaching and learning for all students at Texas State. As a unit within Texas State, we provide a liberal education with emphasis on cultural values by offering special course work in the arts and humanities.

The School of Music offers thorough preparation for careers in music, music education, music performance and sound recording technology. In addition, it provides opportunities for all university students to develop and/or enhance musical skills and cultural understanding. The School of Music also serves as an outstanding cultural resource for the university and San Marcos communities.

The School of Music offers a Master of Music - Music Education degree with concentrations in choral, general, instrumental, and Kodály education. In addition, the School of Music offers a Master of Music degree with concentrations in classical, jazz, and Latin performance, history and literature, music theory, composition, and conducting (choral, instrumental, and orchestral).

Somos Musicos -- "We are Musicians" -- expresses with simplicity our solidarity of purpose and cooperation within an extraordinary community of musical artists, scholars, and composers: the students and the faculty of the School of Music. Our unified mission is threefold: to make music together, to develop ourselves and our art, and to contribute value to our society.

Faculty

The music faculty of over 90 individuals includes internationally active performers, conductors, composers, researchers, and teachers. Collectively, they have presented concerts and clinics in more than 30 countries on virtually every continent. Individual faculty members have been recognized through such prestigious prizes as Grammy Awards, and the Atlanta Steinway Society Competition, as well as honors and publications in prestigious journals; the *Grove Dictionary of American Music*, *Computer Music Journal, Journal of Research in Music Education,* and *Journal of Musicological Research.* Their artistry can be heard in various movie soundtracks and hundreds of commercial recordings.

Departmental Policies

Upon review of a candidate's transcript, additional background courses may be required beyond the degree's 36 credits. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU 5330A.

Vocal and Choral applicants: If dictation courses were not part of the undergraduate degree program, students must fulfill these requirements by the end of their master's studies. In addition, vocal applicants must have one year each of TWO of the standard singing languages (French, German, and Italian) is required at the college level or proof of language proficiency at the Beginner Level I and II as determined by the CLEP test.

Composition/Music Theory applicants: Counterpoint and Orchestration are required background knowledge; if these subjects have not been studied in an undergraduate degree program, or equivalent course of study, students will take MU 5330B or an advisor approved course.

These courses would be in addition to the degree requirements listed below.

Financial Assistance

Scholarships, which may include a waiver of out-of-state tuition, and graduate assistantships (with teaching potential duties in the department) are available to qualified applicants. For further information about financial assistance and the degree programs, please contact the coordinator of graduate studies in music.

Facilities

As the music program has grown into a large, comprehensive School of Music, so too have the facilities expanded to keep pace with its diversity of ensembles, programs, and students.

Music Building

At 101 Pleasant Street, the Music Building includes six classrooms, three large rehearsal rooms, and three smaller rehearsal rooms. The facility also contains a 149-seat Recital Hall, the Schneider Music Library, 40 practice rooms, an electronic piano laboratory, a multi-station music computer lab, instrument storage rooms and an administrative office suite. Some 13 faculty offices and 49 larger teaching studios are also in the main building.

Performing Arts Center

The Performing Arts Center on Moon Street includes an acoustically superb 312-seat recital hall. Equipped with two Steinway D concert grand pianos and a beautiful custom-built Flemish-replica harpsichord, the hall hosts performances by international guest artists, music faculty, and some student ensembles. It is a learning laboratory for student degree recitals. Another venue, the Patti Strickel Harrison Theater, provides a state-of-the art theater with orchestra pit for Texas State Opera Theatre productions.

Evans Auditorium

Evans is the largest performance hall on campus with a seating capacity of 933. The university's wind bands, orchestra, and University Arts events utilize Evans as a performance site. Evans also contains two Steinway concert grand pianos.

Colorado Building

Located on Pleasant Street, Colorado houses the Texas State Balinese Gamelan and 16 additional practice rooms with digital pianos.

Lampasas Hall

Offering music an additional 5 offices and 3 teaching studios, Lampasas is the second oldest building on campus and was beautifully renovated in 2012.

Master of Music (M.M.)

- Major in Music (Choral Conducting Concentration) (http://mycatalog.txstate.edu/graduate/fine-arts-communication/music/music-choralconducting-mm)
- Major in Music (Composition Concentration) (p. 1712)
- Major in Music (History and Literature Concentration) (p. 1724)
- Major in Music (Instrumental Conducting Concentration) (p. 1736)
- Major in Music (Jazz Performance Concentration) (p. 1748)
- Major in Music (Keyboard, String, or Guitar Performance Concentration) (p. 1759)
- Major in Music (Latin Music Performance Concentration) (p. 1770)
- Major in Music (Music Theory Concentration) (p. 1782)
- Major in Music (Performance and Pedagogy Concentration) (p. 1794)
- Major in Music (Voice Performance Concentration) (p. 1806)
- Major in Music (Woodwind, Brass, or Percussion Performance Concentration) (p. 1817)
- Major in Music Education (Choral Music Concentration) (p. 1829)
- Major in Music Education (General Music Concentration) (p. 1840)
- Major in Music Education (Instrumental Music Concentration) (p. 1852)
- Major in Music Education (Kodály Concentration) (p. 1863)

Minors

- Music (p. 1875)
- Music Education (p. 1875)

Certificate

- Music Performance (p. 1875)

Master of Music (M.M.) Major in Music (Choral Conducting Concentration)

Program Overview

Before prospective graduate students are approved for one of the music specializations, they must audition or complete a portfolio review by the appropriate School of Music area faculty. In addition, they must interview with the Coordinator of Music Graduate Studies or area coordinator. Students must have an undergraduate music degree in order to be considered for admission into the M.M. degree with one of the specializations under music.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in music
- GRE not required
- audition and interview
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in choral conducting
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the choral conducting program
  - the ways in which the personal learning outcomes of the choral conducting program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music concentration in Choral Conducting requires 36 semester credit hours. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU 5330A. If diction courses were not part of the undergraduate degree program, students must fulfill these requirements by the end of their master's studies.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3
MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	
MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Concentration		
MUSP 5101	Graduate Recital	1
MUSP 5227	Applied Conducting (taken consistently for 3 semesters)	6
MUSP 5337	Advanced Conducting	3
Choose 6 hours from the following:		6
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Electives		
Choose 8 hours from the following:		8
Any MU, MUSE, or MUSP course [2]		
Total Hours		36

1. One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.
2. Students may choose any advisor approved MU, MUSE, or MUSP course(s) to complete the elective credits.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. The students will be given a maximum of two attempts in order to pass this examination before being eligible for graduation. Candidates who fail to pass the comprehensive oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first attempt. Exceptions to this policy are rare and must be approved by the director of graduate studies in music and by the director of the school of music. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent the student from being eligible for graduation.

Master's level courses in Music: MU (p. 1702), MUSE (p.), MUSP (p.)

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of “B” or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Music (M.M.) Major in Music (Composition Concentration)

Program Overview

Before prospective graduate students are approved for one of the music specializations, they must audition or complete a portfolio review by the appropriate School of Music area faculty. In addition, they must interview with the Coordinator of Music Graduate Studies or area coordinator. Students must have an undergraduate music degree in order to be considered for admission into the M.M. degree with one of the specializations under music.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in music
- GRE not required
- audition/interview
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in music composition
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the composition program
  - the ways in which the personal learning outcomes of the composition program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

Students may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music concentration in Composition requires 36 semester credit hours. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU MU 5330A. These courses would be in addition to the degree requirements listed below. Counterpoint and Orchestration are required background knowledge; if these subjects have not been studied in an undergraduate degree program, or equivalent course of study, students will take MU 5330B or an advisor approved course.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3
MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	
MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Concentration		
MU 5192	Graduate Recital	1
or MUSP 5101	Graduate Recital	
Choose 11 hours from the following:		11
MUSP 5180	Applied Composition	
MUSP 5185	Electronic Music Composition	
MUSP 5280	Applied Composition	
MUSP 5285	Electronic Music Composition	
MUSP 5380	Applied Composition	
MUSP 5385	Electronic Music Composition	
Electives		
Choose 12 hours from the following:		12
Any MU, MUSE, or MUSP course [2]		
Total Hours		36

1. One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.
2. Students may choose any advisor approved MU, MUSE, or MUSP course(s) to complete the elective credits.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. The students will be given a maximum of two attempts in order to pass this examination before being eligible for graduation. Candidates who fail to pass the comprehensive oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first attempt. Exceptions to this policy are rare and must be approved by the

director of graduate studies in music and by the director of the school of music. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent the student from being eligible for graduation.

Portfolio

Students are required to submit a portfolio of a minimum 3 compositions completed during their degree studies. These works should represent a range of instrumentation (i.e. solo, chamber, large ensemble, electronic) and should reflect the breadth of the student's compositional technique. The portfolio and CD of corresponding recordings will be submitted at the comprehensive oral exam and cataloged in the Music Library.

Master's level courses in Music: MU (p. 1714), MUSE (p.), MUSP (p.)

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of “B” or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Music (M.M.) Major in Music (History and Literature Concentration)

Program Overview

Before prospective graduate students are approved for one of the music specializations, they must audition or complete a portfolio review by the appropriate School of Music area faculty. In addition, they must interview with the Coordinator of Music Graduate Studies or area coordinator. Students must have an undergraduate music degree in order to be considered for admission into the M.M. degree with one of the specializations under music.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in music
- GRE not required
- research paper or sample of scholarly writing
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in music history and literature
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the history and literature program
  - the ways in which the personal learning outcomes of the history and literature program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music concentration in History and Literature requires 36 semester credit hours, including a thesis. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU 5330A. These courses would be in addition to the degree requirements listed below. Additional prerequisites: Languages - one year each of TWO of the following languages (French, German, and Italian) at the college level or proof of language proficiency at the Beginner Level I and II as determined by the CLEP test.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3

MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	
MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Concentration		
Choose 6 hours from the following:		6
MU 5310	Music Literature of the Baroque	
MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Thesis		
MU 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
MU 5199B	Thesis	
MU 5299B	Thesis	
MU 5399B	Thesis	
MU 5599B	Thesis	
MU 5999B	Thesis	
Electives		
Choose 12 hours from the following: [2]		12
Any MU, MUSE, or MUSP course		
Total Hours		36

1 One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.

2 Students may choose any advisor approved MU, MUSE, or MUSP course(s) to complete the elective credits.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. The students will be given a maximum of two attempts in order to pass this examination before being eligible for graduation. Candidates who fail to pass the comprehensive oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first attempt. Exceptions to this policy are rare and must be approved by the director of graduate studies in music and by the director of the school of music. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent the student from being eligible for graduation.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the

thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Music: MU (p. 1726), MUSE (p.), MUSP (p.)

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of “B” or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Music (M.M.) Major in Music (Instrumental Conducting Concentration)

Program Overview

Before prospective graduate students are approved for one of the music specializations, they must audition or complete a portfolio review by the appropriate School of Music area faculty. In addition, they must interview with the Coordinator of Music Graduate Studies or area coordinator. Students must have an undergraduate music degree in order to be considered for admission into the M.M. degree with one of the specializations under music.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://

www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in music
- GRE not required
- audition and interview
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in instrumental conducting
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the instrumental conducting program
  - the ways in which the personal learning outcomes of the instrumental conducting program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music concentration in Instrumental Conducting requires 36 semester credit hours. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU MU 5330A. These courses are in addition to the degree requirements listed below.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3
MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	
MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Concentration		
MU 5192	Graduate Recital	1
MUSE 5128	Conducting Seminar (taken three times)	3
MUSP 5127	Applied Conducting	1
MUSP 5227	Applied Conducting (taken twice)	4
MUSP 5337	Advanced Conducting	3
Electives		
Choose 12 hours from the following:		12
Any MU, MUSE, or MUSP course [2]		
Total Hours		36

[1] One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.

[2] Students may choose any advisor approved MU, MUSE, or MUSP course(s) to complete the elective credits.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. The students will be given a maximum of two attempts in order to pass this examination before being eligible for graduation. Candidates who fail to pass the comprehensive

oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first attempt. Exceptions to this policy are rare and must be approved by the director of graduate studies in music and by the director of the school of music. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent the student from being eligible for graduation.

Master's level courses in Music: MU (p. 1738), MUSE (p.), MUSP (p.)

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of “B” or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Music (M.M.) Major in Music (Jazz Performance Concentration)

Program Overview

Before prospective graduate students are approved for one of the music specializations, they must audition or complete a portfolio review by the appropriate School of Music area faculty. In addition, they must interview with the Coordinator of Music Graduate Studies or area coordinator. Students must have an undergraduate music degree in order to be considered for admission into the M.M. degree with one of the specializations under music.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in music
- GRE not required
- audition and interview
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in jazz performance
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the jazz performance program
  - the ways in which the personal learning outcomes of the jazz performance program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music concentration in Jazz Performance requires 36 semester credit hours. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU 5330A. These courses would be in addition to the degree requirements listed below.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3
MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	

MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Concentration		
MU 5342	Jazz Pedagogy	3
MU 5343	Jazz Improvisation	3
MU 5344	Jazz Arranging	3
MUSE 5127	Jazz Combo	1
MUSP 5101	Graduate Recital	1
MUSP 5130	Applied Keyboard	1
Choose 8 hours from the following:		8
MUSP 5230	Applied Keyboarding	
MUSP 5240	Applied Woodwind	
MUSP 5250	Applied Brass	
MUSP 5260	Applied String	
MUSP 5270	Applied Percussion	
Choose 4 hours from the following:		4
MUSE 5160	Jazz Ensemble	
MUSE 5161	Jazz Orchestra	
MUSE 5162	Jazz Lab Band	
Total Hours		36

[1] One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. The students will be given a maximum of two attempts in order to pass this examination before being eligible for graduation. Candidates who fail to pass the comprehensive oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first attempt. Exceptions to this policy are rare and must be approved by the director of graduate studies in music and by the director of the school of music. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent the student from being eligible for graduation.

Master's level courses in Music: MU, MUSE, MUSP

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of "B" or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Music (M.M.) Major in Music (Keyboard, String, or Guitar Performance Concentration)

Program Overview

Before prospective graduate students are approved for one of the music specializations, they must audition or complete a portfolio review by the appropriate School of Music area faculty. In addition, they must interview with the Coordinator of Music Graduate Studies or area coordinator. Students must have an undergraduate music degree in order to be considered for admission into the M.M. degree with one of the specializations under music.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in music
- GRE not required
- audition and interview
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or

presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in keyboard, string, or guitar performance
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the keyboard, string, or guitar performance program
  - the ways in which the personal learning outcomes of the keyboard, string, or guitar performance program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music concentration in Keyboard, String, or Guitar Performance requires 36 semester credit hours. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU 5330A. These courses would be in addition to the degree requirements listed below.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3
MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	
MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Concentration		
MUSP 5101	Graduate Recital	1
Choose 8 hours from the following:		8
MUSP 5230	Applied Keyboarding (Take 4 times)	
MUSP 5260	Applied String (Take 4 times)	
Choose 3 hours from the following:		3
Any MUSE course [2]		
Electives		
Choose 12 hours from the following:		12
Any MU, MUSE, or MUSP course [3]		
Total Hours		36

1 One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.

2 Students may choose any advisor approved MUSE course(s) to complete the ensemble credits.

3 Students may choose any advisor approved MU, MUSE, or MUSP course(s) to complete the elective credits.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. The students will be given a maximum of two attempts in order to pass this examination before being eligible for graduation. Candidates who fail to pass the comprehensive oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first attempt. Exceptions to this policy are rare and must be approved by the director of graduate studies in music and by the director of the school of music. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent the student from being eligible for graduation.

Master's level courses in Music: MU (p. 1760), MUSE (p.), MUSP (p.)

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of “B” or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Music (M.M.) Major in Music (Latin Music Performance Concentration)

Program Overview

Before prospective graduate students are approved for one of the music specializations, they must audition or complete a portfolio review by the appropriate School of Music area faculty. In addition, they must interview with the Coordinator of Music Graduate Studies or area coordinator. Students must have an undergraduate music degree in order to be considered for admission into the M.M. degree with one of the specializations under music.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://

www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in music
- GRE not required
- audition and interview
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in Latin music performance
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the Latin music performance program
  - the ways in which the personal learning outcomes of the Latin music performance program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music concentration in Latin Music Performance requires 36 semester credit hours. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU 5330A. These courses would be in addition to the degree requirements listed below.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3
MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	
MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Concentration		
MU 5353	Ensemble Rehearsal Techniques	3
MUSP 5101	Graduate Recital	1
MUSP 5166	Latin Music Methods	1
Choose 8 hours from the following:		8
MUSP 5220	Applied Voice (Take 4 times)	
MUSP 5230	Applied Keyboarding (Take 4 times)	
MUSP 5240	Applied Woodwind (Take 4 times)	
MUSP 5250	Applied Brass (Take 4 times)	
MUSP 5260	Applied String (Take 4 times)	
MUSP 5270	Applied Percussion (Take 4 times)	
Choose 4 hours from the following:		4
MUSE 5102	Salsa Del Rio (Take up to 4 times)	
MUSE 5103	Texas State Mariachi (Take 4 times)	
MUSE 5108	Orquesta del Rio (Take up to 4 times)	
Choose 7 hours from the following:		7
Salsa Track		
MU 5366	Salsa Arranging	
MU 5367	History of Music in the Caribbean	
MUSP 5175	Afro-Cuban Hand Drumming	
Mariachi Track		
MU 5156	Mariachi Arranging Techniques (Take 3 times)	

	MU 5317	Independent Study in Music
	MU 5368	History of Music in Mexico
	MUSP 5165	Mariachi Armonia Techniques
Total Hours		36

[1] One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. The students will be given a maximum of two attempts in order to pass this examination before being eligible for graduation. Candidates who fail to pass the comprehensive oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first attempt. Exceptions to this policy are rare and must be approved by the director of graduate studies in music and by the director of the school of music. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent the student from being eligible for graduation.

Master's level courses in Music: MU (p. 1772), MUSE (p.), MUSP (p.)

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of "B" or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Music (M.M.) Major in Music (Music Theory Concentration)

Program Overview

Before prospective graduate students are approved for one of the music specializations, they must audition or complete a portfolio review by the appropriate School of Music area faculty. In addition, they must interview with the Coordinator of Music Graduate Studies or area coordinator. Students must have an undergraduate music degree in order to be considered for admission into the M.M. degree with one of the specializations under music.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in music
- GRE not required
- research paper or sample of scholarly writing
- composition/pastiche writing
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in music theory
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the music theory program
  - the ways in which the personal learning outcomes of the music theory program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music concentration in Music Theory requires 36 semester credit hours, including a thesis. In addition, opportunities are provided for independent study with professors in their areas of specialization. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU MU 5330A. These courses are in addition to the degree requirements listed below. Counterpoint and Orchestration are required background knowledge; if these subjects have not been studied in an undergraduate degree program, equivalent course of study, students will take MU 5330B or an advisor approved course.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3
MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	
MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Concentration		
MU 5351	Schenkerian Analysis	3
MU 5355	Pedagogy of Music Theory	3
MU 5359	Post-Tonal Music Analysis	3
Choose 3 hours from the following:		3
MU 5113	Independent Study in Music	
MU 5213	Independent Study in Music	
MU 5313	Independent Study in Music	
MU 5317	Independent Study in Music	
Thesis		
MU 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
MU 5199B	Thesis	
MU 5299B	Thesis	
MU 5399B	Thesis	
MU 5599B	Thesis	
MU 5999B	Thesis	
Electives		
Choose 6 hours from the following:		6
Any MU, MUSE, or MUSP course [2]		
Total Hours		36

1. One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.
2. Students may choose any advisor approved MU, MUSE, or MUSP course(s) to complete the elective credits.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. The students will be given a maximum of two attempts in order to pass this examination before being eligible for graduation. Candidates who fail to pass the comprehensive oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first attempt. Exceptions to this policy are rare and must be approved by the director of graduate studies in music and by the director of the school of music. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent the student from being eligible for graduation.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the

thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Music: MU (p. 1784), MUSE (p.), MUSP (p.)

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of “B” or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Music (M.M.) Major in Music (Performance and Pedagogy Concentration)

Program Overview

Before prospective graduate students are approved for one of the music specializations, they must audition or complete a portfolio review by the appropriate School of Music area faculty. In addition, they must interview with the Coordinator of Music Graduate Studies or area coordinator. Students must have an undergraduate music degree in order to be considered for admission into the M.M. degree with one of the specializations under music.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in music
- GRE not required
- audition and interview
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in performance and pedagogy
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the performance and pedagogy program
  - the ways in which the personal learning outcomes of the performance and pedagogy program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music concentration in Performance and Pedagogy requires 36 semester credit hours. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU 5330A in addition to the degree requirements listed below.

Vocal students who score less than 80% on the diction placement exam will take MU 5130B; one year each of TWO of the standard singing languages (French, German, and Italian) is required at the college level or proof of language proficiency at the Beginner Level I and II as determined by the CLEP test.

The courses described above would be in addition to the degree requirements listed below.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3
MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	
MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Concentration		
MU 5364	Intelligent Music Teaching	3
MUSP 5101	Graduate Recital	1
Choose 8 hours from the following:		8
MUSP 5220	Applied Voice (Take 4 times)	
MUSP 5230	Applied Keyboarding (Take 4 times)	
MUSP 5240	Applied Woodwind (Take 4 times)	
MUSP 5250	Applied Brass (Take 4 times)	
MUSP 5260	Applied String (Take 4 times)	
MUSP 5270	Applied Percussion (Take 4 times)	
Choose 3 hours from the following:		3
Any MUSE course [2]		
Choose 6 hours from the following:		6
MU 5331	Vocal Pedagogy I: Voice Science	
MU 5332	Vocal Pedagogy II: Methods	
MU 5362	Instrumental Pedagogy I	
MU 5363	Instrumental Pedagogy II: Teaching Internship	
Electives		3

Any MU, MUSE, or MUSP course [3]	
Total Hours	36

1. One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.
2. Students may choose any advisor approved MUSE course(s) to complete the ensemble credits.
3. Students may choose any advisor approved MU, MUSE, or MUSP course(s) to complete the elective credits.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. Candidates who fail to pass the comprehensive oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first attempt. Students will be given a maximum of two attempts to pass the exam. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent graduation eligibility.

Master's level courses in Music: MU (p. 1796), MUSE (p.), MUSP (p.)

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of “B” or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Music (M.M.) Major in Music (Voice Performance Concentration)

Program Overview

Before prospective graduate students are approved for one of the music specializations, they must audition or complete a portfolio review by the appropriate School of Music area faculty. In addition, they must interview with the Coordinator of Music Graduate Studies or area coordinator. Students must have an undergraduate music degree in order to be considered for admission into the M.M. degree with one of the specializations under music.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in music
- GRE not required
- audition and interview
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in voice performance
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the voice performance program
  - the ways in which the personal learning outcomes of the voice performance program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music concentration in Voice Performance requires 36 semester credit hours. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU 5330A. Students who score less than 80% on the diction placement exam will take MU 5130B. One year each of TWO of the standard singing languages (French, German, and Italian) is required at the college level or proof of language proficiency at the Beginner Level I and II as determined by the CLEP test. These courses would be in addition to the degree requirements listed below.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3
MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	
MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Concentration		
MU 5318	Song Literature	3
MU 5331	Vocal Pedagogy I: Voice Science	3
MUSP 5101	Graduate Recital	1
Choose 8 hours from the following:		8
MUSP 5220	Applied Voice (Take 4 times)	
Choose 3 hours from the following:		3
MUSE 5106	Opera Workshop	
MUSE 5107	Opera Theatre	
MUSE 5109	Opera Production	
Electives		6
Any MU, MUSE, or MUSP course [2]		
Total Hours		36

[1] One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.

[2] Students may choose any advisor approved MU, MUSE, or MUSP course(s) to complete the elective credits.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. The students will be given a maximum of two attempts in order to pass this examination before being eligible for graduation. Candidates who fail to pass the comprehensive oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first attempt. Exceptions to this policy are rare and must be approved by the director of graduate studies in music and by the director of the school of music. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent the student from being eligible for graduation.

Master's level courses in Music: MU (p. 1807), MUSE (p.), MUSP (p.)

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of “B” or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Music (M.M.) Major in Music (Woodwind, Brass, or Percussion Performance Concentration)

Program Overview

Before prospective graduate students are approved for one of the music specializations, they must audition or complete a portfolio review by the appropriate School of Music area faculty. In addition, they must interview with the Coordinator of Music Graduate Studies or area coordinator. Students must have an undergraduate music degree in order to be considered for admission into the M.M. degree with one of the specializations under music.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in music
- GRE not required
- audition and interview
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in woodwind, brass, or percussion performance
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the woodwind, brass, or percussion performance program
  - the ways in which the personal learning outcomes of the woodwind, brass, or percussion performance program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music concentration in Woodwind, Brass, or Percussion Performance requires 36 semester credit hours. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU 5330A. These courses would be in addition to the degree requirements listed below.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3
MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	
MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Concentration		
MUSP 5101	Graduate Recital	1
Choose 8 hours from the following:		8
MUSP 5240	Applied Woodwind (Take 4 times)	
MUSP 5250	Applied Brass (Take 4 times)	
MUSP 5270	Applied Percussion (Take 4 times)	
Choose 3 hours from the following:		3
Any MUSE course [2]		
Electives		
Choose 12 hours from the following:		12
Any MU, MUSE, or MUSP course [3]		
Total Hours		36

1. One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.
2. Students may choose any advisor approved MUSE course(s) to complete the ensemble credits.
3. Students may choose any advisor approved MU, MUSE, or MUSP course(s) to complete the elective credits.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. The students will be given a maximum of two attempts in order to pass this examination before being eligible for graduation. Candidates who fail to pass the comprehensive oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first attempt. Exceptions to this policy are rare and must be approved by the director of graduate studies in music and by the director of the school of music. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent the student from being eligible for graduation.

Master's level courses in Music: MU (p. 1819), MUSE (p.), MUSP (p.)

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of “B” or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Music (M.M.) Major in Music Education (Choral Music Concentration)

Program Overview

Before prospective graduate students are approved for one of the music education specializations, they are expected to have certification to teach public school music, to complete a portfolio review, and to have an interview with the appropriate music education faculty. Those students who do not possess a teacher's certificate must satisfy a deficiency plan in music education if they are to pursue the M.M. degree with one of the specializations under music education.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- certification to teach public school music
- GRE not required
- portfolio
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in choral music
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the choral music program
  - the ways in which the personal learning outcomes of the choral music program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music Education concentration in Choral Music requires 36 semester credit hours. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU 5330A. These courses are in addition to the degree requirements listed below.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3
MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	

MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Concentration		
MU 5325	Research in Music Education I	3
MU 5328	Foundations of Music Education	3
MU 5329	Psychology of Music	3
MUSP 5337	Advanced Conducting	3
Electives		
Choose 12 hours from the following:		12
MU 5323	Vocal Music Education Methods [2]	
MU 5326	Research in Music Education II [2]	
MU 5353	Ensemble Rehearsal Techniques [2]	
MU 5355	Pedagogy of Music Theory [2]	
MU 5365	Computing in Music [2]	
Any MU, MUSE, or MUSP course [3]		
Total Hours		36

1. One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.
2. Students must choose 3 - 9 credit hours from MU 5323, MU 5326, MU 5353, MU 5355, MU 5365.
3. Students may choose any advisor approved MU, MUSE, or MUSP course(s) to complete the elective credits.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. The students will be given a maximum of two attempts in order to pass this examination before being eligible for graduation. Candidates who fail to pass the comprehensive oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first attempt. Exceptions to this policy are rare and must be approved by the director of graduate studies in music and by the director of the school of music. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent the student from being eligible for graduation.

Music Education Project

Students are required to submit a Music Education Project while enrolled in either MU 5326 (recommended) or another 3-credit course as approved by the Music Education faculty.

Master's level courses in Music: MU (p. 1830), MUSE (p.), MUSP (p.)

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of “B” or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Music (M.M.) Major in Music Education (General Music Concentration)

Program Overview

Before prospective graduate students are approved for one of the music education specializations, they are expected to have certification to teach public school music, to complete a portfolio review, and to interview with the appropriate music education faculty. Those students who do not possess a teacher's certificate must satisfy a deficiency plan in music education if they are to pursue the M.M. degree with one of the specializations under music education.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- certification to teach public school music
- GRE not required
- portfolio
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in music
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the program
  - the ways in which the personal learning outcomes of the program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music Education concentration in General Music requires 36 semester credit hours. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU 5330A in addition to the degree requirements below.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3
MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	
MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Concentration		
MU 5325	Research in Music Education I	3
MU 5328	Foundations of Music Education	3
MU 5329	Psychology of Music	3
MUSP 5337	Advanced Conducting	3
Electives		
Choose 12 hours from the following:		12
MU 5322	Advanced Instrumental Techniques [2]	
MU 5323	Vocal Music Education Methods [2]	
MU 5326	Research in Music Education II [2]	
MU 5353	Ensemble Rehearsal Techniques [2]	
MU 5355	Pedagogy of Music Theory [2]	
MU 5365	Computing in Music [2]	
Any MU, MUSE, or MUSP course [3]		
Total Hours		36

1. One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.
2. Students must choose 3 - 9 credit hours from MU 5323, MU 5326, MU 5353, MU 5355, MU 5365.
3. Students may choose any advisor approved MU, MUSE, or MUSP course(s) to complete the elective credits.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. The students will be given a maximum of two attempts in order to pass this examination before being eligible for graduation. Candidates who fail to pass the comprehensive oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first

attempt. Exceptions to this policy are rare and must be approved by the director of graduate studies in music and by the director of the school of music. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent the student from being eligible for graduation.

Music Education Project

Students are required to submit a Music Education Project while enrolled in either MU 5326 (recommended) or another 3-credit course as approved by the Music Education faculty.

Master's level courses in Music: MU (p. 1842), MUSE (p.), MUSP (p.)

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of “B” or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Music (M.M.) Major in Music Education (Instrumental Music Concentration)

Program Overview

Before prospective graduate students are approved for one of the music education specializations, they are expected to have certification to teach public school music, to complete a portfolio review, and to interview with the appropriate music education faculty. Those students who do not possess a teacher's certificate must satisfy a deficiency plan in music education if they are to pursue the M.M. degree with one of the specializations under music education.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- certification to teach public school music
- GRE not required
- portfolio
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in instrumental music
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the instrumental music program
  - the ways in which the personal learning outcomes of the instrumental music program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music Education concentration in Instrumental Music requires 36 semester credit hours. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU 5330A in addition to the degree requirements below.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3
MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	

MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Concentration		
MU 5325	Research in Music Education I	3
MU 5328	Foundations of Music Education	3
MU 5329	Psychology of Music	3
MUSP 5337	Advanced Conducting	3
Electives		
Choose 12 hours from the following:		12
MU 5322	Advanced Instrumental Techniques [2]	
MU 5326	Research in Music Education II [2]	
MU 5353	Ensemble Rehearsal Techniques [2]	
MU 5355	Pedagogy of Music Theory [2]	
MU 5365	Computing in Music [2]	
Any MU, MUSE, or MUSP course [3]		
Total Hours		36

1 One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.

2 Students must choose 3 - 9 credit hours from MU 5322, MU 5326, MU 5353, MU 5355, MU 5365.

3 Students may choose any advisor approved MU, MUSE, or MUSP course(s) to complete the elective credits.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. The students will be given a maximum of two attempts in order to pass this examination before being eligible for graduation. Candidates who fail to pass the comprehensive oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first attempt. Exceptions to this policy are rare and must be approved by the director of graduate studies in music and by the director of the school of music. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent the student from being eligible for graduation.

Music Education Project

Students are required to submit a Music Education Project while enrolled in either MU 5326 (recommended) or another 3-credit course as approved by the Music Education faculty.

Master's level courses in Music: MU (p. 1853), MUSE (p.), MUSP (p.)

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of “B” or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Music (M.M.) Major in Music Education (Kodály Pedagogy Concentration)

Program Overview

Before prospective graduate students are approved for one of the music education specializations, they are expected to have certification to teach public school music, to complete a portfolio review, and to interview with the appropriate music education faculty. Those students who do not possess a teacher's certificate must satisfy a deficiency plan in music education if they are to pursue the M.M. degree with one of the specializations under music education.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in music from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- certification to teach public school music
- GRE not required
- portfolio
- resume/CV (maximum three pages) including name, address, email address, education (degrees or special certifications), professional experience, scholarship awards, special recognitions, articles or presentations, selected community activity, and other information pertinent to the desired degree and concentration
- statement of purpose (400-600 words with name and email in the header) describing the following:
  - past experiences in Kodály pedagogy
  - qualities, values, characteristics, and/or skills that make the student a strong candidate for the Kodály pedagogy program
  - the ways in which the personal learning outcomes of the Kodály pedagogy program relate to the student's personal and professional goals
  - plans to pursue doctoral studies as well, if applicable
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Music (M.M.) degree with a major in Music Education concentration in Kodály Pedagogy requires 36 semester credit hours. The Kodály Pedagogy concentration, approved by the Organization of American Kodály Education (OAKE), leads to certification. Students who score less than 70% on the music theory placement test will take MU 5357. Students who score less than 70% on the music history placement test will take MU 5330A in addition to the degree requirements below.

Course Requirements

Code	Title	Hours
Required Courses		
MU 5334	Introduction to Graduate Study in Music	3
MU 5350	Musical Styles	3
Choose 6 hours from the following: [1]		6
MU 5310	Music Literature of the Baroque	
MU 5314	Survey of the 20th- and 21st-Century Music	
MU 5315	Music Literature of the Middle Ages to Renaissance	
MU 5316	Opera History	
MU 5318	Song Literature	
MU 5320	Music Literature - Viennese Classical	
MU 5340	Music Literature - Nineteenth-Century Romantic	
MU 5341	History of Jazz	
MU 5345	Piano Literature I	
MU 5346	Piano Literature II	
MU 5352	Foundations of Musicology	
MU 5354	Foundations of Ethnomusicology	
MU 5360	Music in the United States	
MU 5367	History of Music in the Caribbean	
MU 5368	History of Music in Mexico	
MU 5369	History of Music in Latin America	
MU 5371	Choral Literature I: Madrigal/Partsong	
MU 5372	Choral Literature II: Oratorio and Other Secular Major Works	
MU 5373	Choral Literature III: Liturgical Year - Motet, Anthem, Cantata	
MU 5374	Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem	
Kodály Level I Emphasis		
Choose 6 hours from the following:		6
MU 5141	Kodály Level I – Conducting	
MU 5143	Kodály Level I – Materials	
MU 5240	Kodály Level I – Musicianship and Sol-fa	
MU 5242	Kodály Level I – Pedagogy	
Kodály Level II Emphasis		
Choose 6 hours from the following:		6
MU 5145	Kodály Level II – Conducting	
MU 5147	Kodály Level II – Materials	
MU 5244	Kodály Level II – Musicianship and Sol-fa	
MU 5246	Kodály Level II – Pedagogy	
Kodály Level III Emphasis		
Choose 6 hours from the following:		6
MU 5149	Kodály Level III – Conducting	
MU 5151	Kodály Level III – Research and Retrieval	
MU 5248	Kodály Level III – Musicianship and Sol-fa	
MU 5250	Kodály Level III – Pedagogy	
Electives		
Choose 6 hours from the following:		6
Any MU, MUSE, or MUSP course [2]		
Total Hours		36

1. One course must be a Western European Music History course; the second is based on the student's interest and advisement of their faculty/advisor.
2. Students may choose any advisor approved MU, MUSE, or MUSP course(s) to complete the elective credits.

Comprehensive Examination Requirements

All candidates within the graduate music program must pass a comprehensive oral (viva voce) examination. Students will be given a maximum of two attempts in order to pass this examination before being eligible for graduation. Candidates who fail to pass the comprehensive oral examination upon the first try may appeal for re-examination. The re-examination will be administered during the term following the first attempt. Exceptions to this policy are rare and must be approved by the director of graduate studies in music and by the director of the school of music. Failure to pass the required comprehensive oral examination upon the second attempt shall prevent the student from being eligible for graduation.

Master's level courses in Music: MU (p. 1865), MUSE (p.), MUSP (p.)

Courses Offered

Music (MU)

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of “B” or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women's voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Minor in Music

The graduate minor in Music requires 12 semester credit hours of advisor-approved courses. Graduate students majoring in other departments should meet with the director of graduate studies in music to choose the courses.

Minor in Music Education

The graduate minor in Music Education requires 12 semester credit hours of courses chosen in consultation with the graduate advisor. Graduate students majoring in other departments should meet with the director of graduate studies in music to choose the courses.

Certificate in Music Performance

Program Overview

The graduate certificate in Music Performance requires 15 semester credit hours.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $20 nonrefundable application fee

  or

- $60 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.5 GPA in the last 60 hours of undergraduate course work
- minimum 3.0 GPA in all completed graduate course work (if applicable)
- GRE not required
- audition

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 45 overall
- official IELTS (academic) scores required with a 4.5 overall and
  - minimum individual module scores of 4.5

The certificate in Music Performance requires 15 semester credit hours.

Course Requirements

Code	Title	Hours
MU 5192	Graduate Recital	1
Applied Lessons		
Choose 6 hours		6
MUSP 5320	Applied Voice	
MUSP 5330	Applied Keyboard	
MUSP 5340	Applied Woodwind	
MUSP 5350	Applied Brass	
MUSP 5360	Applied String	
MUSP 5370	Applied Percussion	
Music Ensemble Electives		
Choose 2 courses		2
MUSE 5102	Salsa Del Rio	
MUSE 5103	Texas State Mariachi	
MUSE 5104	Panorama Steel Drum Band	
MUSE 5105	VocaLibre	
MUSE 5106	Opera Workshop	
MUSE 5123	Concert Band	
MUSE 5124	Women's Choir	
MUSE 5125	Men's Choir	

MUSE 5126	Chamber Music
MUSE 5127	Jazz Combo
MUSE 5130	Wind Symphony
MUSE 5131	Symphonic Winds
MUSE 5140	Texas State Chorale
MUSE 5141	University Singers
MUSE 5150	Texas State Symphony Orchestra
MUSE 5160	Jazz Ensemble
MUSE 5161	Jazz Orchestra
MUSE 5162	Jazz Lab Band
MUSE 5170	Accompanying
MUSE 5180	Mysterium for Contemporary Music Ensemble
MUSE 5190	Guitar Ensemble
Additional Graduate Music Electives	
Choose 6 hours from MU, MUSE, or MUSP	6
Total Hours	15

Department of Theatre and Dance

Theatre Center Room 101
T: 512.245.2147 F: 512.245.8440
http://www.theatreanddance.txstate.edu/

Graduate students at Texas State work closely with professional artist-educators who have earned national and international recognition. Our faculty have acted on Broadway, starred in television shows, worked at Tony-Award winning regional theatres, had their designs displayed internationally, published books and articles, and had their plays produced in New York and abroad. We are large enough to have a full complement of highly qualified specialists, yet small enough to provide personal attention to our students. There are ample opportunities for graduate student participation in productions. Recent productions include, *Cabaret, Mr. Burns, A Post-Electric Play, The Tempest, References to Salvador Dali Make Me Hot,* and *How I Learned to Drive.*

Our goals are:

- to provide a stimulating and creative environment in which students deepen their aesthetic experience, while strengthening a broad range of theatre skills,
- to preserve the traditions of dramatic literature, while encouraging experimentation in new theatrical forms and ideas,
- to make a significant cultural impact on the campus and throughout the region served by the university.

Facilities

Classes take place in the university's distinctive Theatre Center and new Performing Arts Center. Together these spaces include three theatres that provide students the opportunity to experience a variety of production styles. They house completely equipped scenic, prop, paint, and costume shops, rehearsal rooms, a computer drafting lab, classrooms, and resources for both research and teaching.

Financial Assistance

Graduate students may qualify for assistantships and scholarships, as well as waivers for out-of-state tuition. Contact the department for more information.

Master of Arts (M.A.)

- Major in Theatre (Dramaturgy Concentration) (p. 1876)
- Major in Theatre (History and Criticism Concentration) (p. 1881)

Master of Fine Arts (M.F.A.)

- Major in Theatre (Design Concentration) (p. 1893)
- Major in Theatre (Directing Concentration) (p. 1887)
- Major in Theatre (Dramatic Writing Concentration) (p. 1898)

Minor

- Theatre (p. 1903)

Master of Arts (M.A.) Major in Theatre (Dramaturgy Concentration)

Program Overview

A Master of Arts (M.A.) degree with a major in Theatre offers specializations in history-criticism and dramaturgy. The M.A. will prepare students to teach at the secondary or community college level, to continue graduate education at the doctoral level, or to seek a career in community or professional theatre.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree (preferably a B.A. or B.F.A. in theatre) from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 24 undergraduate hours in theatre
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose indicating the student's proposed area of specialty and detailing past practical experience
- two letters of recommendation
- non-academic practical theatre experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Theatre concentration in Dramaturgy requires 36 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
TH 5301	Drama Research	3
TH 5367	Studies in Dramatic Theory and Criticism	3
Concentration		
TH 5360	Problems in Theatre	3
TH 5365	Backgrounds of Modern Drama	3
TH 5369	Contemporary World Theatre and Drama	3
TH 5371	Classical and Renaissance Drama	3
TH 5372	Theory and Practice of Dramaturgy	3
TH 5398	Final Creative Project	3
Electives		
Choose 6 hours from the following:		6
TH 5363	Directing for Film	
TH 5364	Stage Directing	
TH 5366	Directing Styles	
Minor		
Choose a 6-hour advisor-approved minor		6
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Theatre: TH

Courses Offered

Theatre (TH)

TH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5301. Drama Research.
An examination of problems and research techniques in drama. Historical, critical, descriptive, and experimental research approaches will be surveyed and basic procedures in research report writing will be considered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5302. Text Analysis, Research and Interpretation.
This course reviews various methods of analysis of a dramatic text. This includes inductive, deductive, structural, and methodical approaches. It also examines techniques for production research and explores issues of interpretation that affect the development of a play's translation into a production on stage.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5303. Conceptualization and Composition.
This course investigates conceiving and developing a production concept and/or production context. It explores how the concept/context is useful in creating the world of the play through design, as well as how it shapes directorial composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5304. Web Series Creation.
This course focuses on the techniques of creating a web series, script writing and development. It explores the fundamentals of film production and web publication, including marketing and identifying a target audience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5305. Web Series Creation II.
This course is a continuation of the Web Series course and specifically focuses on production of a web series. Students will write, direct, and produce their own web series for publication on the internet. Prerequisite: TH 5304 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5310. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

TH 5312. Director/Designer Collaboration.
This course examines the nature of director/designer collaboration. Particular attention is focused on discovering visual and auditory characteristics embedded in theatrical texts and exploring the way these characteristics influence interpretation and execution of the text.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5313. History of Directing and Scenography.
This course is a historical survey of the work of directors and designers. Particular emphasis will be on seminal production plans for notable directors and designers of the 20th and 21st centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5323. Shakespeare Through Performance.
This intensive summer study abroad program immerses students in the language and culture of Shakespeare's plays. Incorporating a performance-based approach to the study of Shakespeare, this course includes theatrical workshops taught by professionals at leading international theatres, including the Royal Shakespeare Company.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5324. Shakespeare: Text and Context.
This intensive study abroad program immerses students in the language and culture of Shakespeare's plays. In Stratford, academic workshops are led by scholars from the Shakespeare Birthplace Trust. Through immersion in the cultural environment in which the plays were produced, students gain insight into the context that shaped Shakespeare's theatre.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5330. Stage Management.
An in-depth seminar in stage management, including organization, techniques, and practices for managing stage productions from initial planning through performance.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5331. Television Writing.
This course focuses on the techniques of writing for television, including both half-hour situational comedies and hour-long dramas. Students will pitch story ideas, develop beat sheets, write treatments, and complete written scripts. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5332. Stage Properties.
This course trains students in the craft, artistry and management of stage properties for careers in theatre, film and the entertainment industry.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5333. Advanced Television Writing.
This course focuses on the techniques of creating a television series, including script writing and development, film production, and post-production editing. Students will spin off a character from a network or cable television series and create a new series based on that character. Graduate students will act as co-producers. Prerequisite: TH 5331 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5334. Figure Drawing for Theatre Design.
This course covers drawing the human figure using traditional media, techniques and applications. Intended for the theatre designer, this course places special emphasis on aspects of the relationship between fabric and the human figure.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5338. Advanced Stage Lighting.
Graduate lighting design is a continuation of the principles covered in Lighting Design (undergraduate). This course will concentrate primarily on the aesthetics of stage lighting, and will cover such topics as: viewer psychological and physiological responses as they pertain to visual perception; color; script analysis; use of light in creating both static and dynamic visual compositions; development and graphic representation of a theatrical lighting design.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5340. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

TH 5341. Dramatization and Adaptation.
This course focuses on the development of new theatrical scripts based on existing stories and source material. Students will explore a variety of potential source materials, pitch adaptation ideas, and complete a written script. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5342. MFA Studio I.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5343. MFA Studio II.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5345. Advanced Studies in Costume Design.
Costume problems for entire productions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5346. Historical Costume Research.
This course is a study of clothing, accessories, and customs of selected theatrical periods as an approach to costuming period plays.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5347. Advanced Costume Construction.
Advanced studies in the construction of costumes for the stage, techniques in sewing, pattern drafting/design as well as accessories/crafts construction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5348. Graphic Representation.
Students will study and practice drawing and painting techniques, as well as rendering with other media, including markers.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5350. Second Year Project.
Students in the second year of the MFA in Theatre will direct, design, or write for a departmental production. The course includes a written report of the project that demonstrates an understanding of the creative process of the chosen discipline. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5351. History of Architecture and Interiors for Theatrical Design.
This course is a study of architecture and interiors throughout history as it impacts design for theatre. This course will look at periods of design from ancient Egypt to the early Twentieth Century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5352. MFA Studio III.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5353. MFA Studio IV.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5354. Playwriting.
A seminar in the art and craft of playwriting, from initial idea through a completed draft of a play. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5355. Scene Painting.
Theory and practice of scene and costume painting as developed in the Italian Renaissance and continuing into new media available today. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5356. Theatrical Drafting: Vectorworks.
This course is a study of computer techniques and procedures used in the preparation of design and technical drawings for theatrical scenery and lighting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5357. Scene Design.
Seminar on design, emphasizing presentation and justification of executed renderings or models for selected plays. Emphasis on styles of staging, settings, lighting and properties, and their relationship to the complete production. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5358. Screenwriting.
This course offers a comprehensive study of the art and craft of writing screenplays. During a semester of intensive writing, readings, script analyses, and critiques, writers complete assignments in storytelling, character, structure, and script development. Each writer completes a full-length screenplay as the capstone project for the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5359. Advanced Screenwriting.
This course focuses on the development and revision of full-length screenplays. May be repeated for credit with different emphasis. Prerequisite: TH 5358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5360. Problems in Theatre.
Designed to give supervised experience to qualified advanced students in theatre history, playwriting, directing, acting, technical, or other theatre problems. Research problems or actual production problems may be chosen. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5361. Oregon Shakespeare Festival Intensive.
This course examines theatre production with a specific focus on directors and directing at this country's largest Shakespeare theatre, the Oregon Shakespeare Festival. Students will study issues of translating the current seasons' nine plays from script to stage, as well as analyzing the perspectives and choices of each director's production.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5363. Directing for Film.
An in-depth examination of directing theories and procedures for film with practical filming and editing exercises. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5364. Stage Directing.
Development of skills in analysis, research, staging, and production, with practical experience provided by directing scenes.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5365. Backgrounds of Modern Drama.
An analysis of those developments in dramatic literature that formed the basis of modern drama. Primary emphasis will be on nineteenth-and twentieth-century European and American drama.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5366. Directing Styles.
A study of directing different dramatic styles. Students will direct a one-act play during regular semesters. Prerequisite: TH 5364 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5367. Studies in Dramatic Theory and Criticism.
The study of dramatic theory and criticism from Aristotle to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5369. Contemporary World Theatre and Drama.
Studies of current trends in world theatre and drama.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5371. Classical and Renaissance Drama.
Seminar in Greek, French Neoclassical, and English Renaissance theatre, with intensive examination of selected works by Sophocles, Euripides, Shakespeare, and Marlowe. Primary focus will be on analysis of the plays as performance texts, and on the historical cultural environments in which the plays were created and first performed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5372. Theory and Practice of Dramaturgy.
Study of the practical application of historical research and textual analysis in the production of period plays and new works. Emphasis upon the dramaturg as an instrument of collaboration between members of the artistic team and as a facilitator of audience outreach.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5373. Advanced Film Directing.
An in-depth examination of narrative filmmaking that includes screenplay analysis, storyboarding, scheduling the shoot, directorial techniques, staging actors, camera placement, filming on location, and editing. Prerequisite: TH 5363 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5375. Advanced Playwriting.
This course focuses on an in-depth study of the techniques of playwriting and the variety of styles that a playwright might employ. The course culminates with the writing of a full-length play. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5377. Studies in Advanced Theatre Directing.
A study of directors, theories, and problems of directing in the contemporary theatre. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5378. Play Development Lab.
This course provides a laboratory workshop development process for new plays. It provides a structured environment for rigorously revising student-written works. Prerequisite: TH 5375 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5380. Advanced Scenic Painting.
Students develop scenic art skills, with an increased emphasis on realized practical production work, and a focus on the planning, sampling, and management of theatrical production paint processes. Prerequisite: TH 5355 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5381. Automated Lighting.
Automated Lighting will explore and practice methods and approaches for basic uses of multi-attribute lighting technology. We will investigate a variety of moving light and LED technology and control as well as methods of properly documenting and cueing with these complex tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5382. MFA Studio V.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis. This course now has variable content based on the composition of students.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 5383. MFA Studio VI.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5385. Lighting Console Programming.
This course covers the skills and techniques used in modern console programming for a variety of lighting systems used in the entertainment industry. The course includes programming specifics for consoles from a variety of manufacturers. Special focus is placed on execution and presentation of console programming research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5386. Lighting and Projection Design for Dance.
This course covers the skills and techniques used in lighting and projection design for dance. The students explore innovative choreographers and designers who use both established and emerging technologies in lighting and projection design. Special focus is placed on research presentations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5387. Directing Practicum.
Study of and experience in choosing, preparing, and directing a theatre production from analysis to performance. Attention is given to theatre organization and management. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5398. Final Creative Project.
Students write, direct, or design a major university theatre production, demonstrating mastery in their area of emphasis. A written report of the project must be approved by a faculty committee. This requirement for the MFA in Theatre is usually taken in the final year of study.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Theatre 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5640. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry; it is intended for students who do a full-time internship over the summer or during a regular full semester. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Theatre (History and Criticism Concentration)

Program Overview

A Master of Arts (M.A.) degree with a major in Theatre offers specializations in history-criticism and dramaturgy. The M.A. will prepare students to teach at the secondary or community college level, to continue graduate education at the doctoral level, or to seek a career in community or professional theatre.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials

- baccalaureate degree (preferably a B.A. or B.F.A. in theatre) from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 24 undergraduate hours in theatre
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose indicating the student's proposed area of specialty and detailing past practical experience
- two letters of recommendation
- non-academic practical theatre experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Theatre concentration in history and criticism requires 30 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
TH 5301	Drama Research	3
TH 5367	Studies in Dramatic Theory and Criticism	3
Concentration		
TH 5365	Backgrounds of Modern Drama	3
TH 5369	Contemporary World Theatre and Drama	3
TH 5371	Classical and Renaissance Drama	3
TH 5372	Theory and Practice of Dramaturgy	3
Thesis		
TH 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
TH 5199B	Thesis	
TH 5299B	Thesis	
TH 5399B	Thesis	
TH 5599B	Thesis	
TH 5999B	Thesis	
Minor		
Choose a 6-hour advisor-approved minor		6
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by

definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Theatre: TH

Courses Offered

Theatre (TH)

TH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5301. Drama Research.
An examination of problems and research techniques in drama. Historical, critical, descriptive, and experimental research approaches will be surveyed and basic procedures in research report writing will be considered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5302. Text Analysis, Research and Interpretation.
This course reviews various methods of analysis of a dramatic text. This includes inductive, deductive, structural, and methodical approaches. It also examines techniques for production research and explores issues of interpretation that affect the development of a play's translation into a production on stage.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5303. Conceptualization and Composition.
This course investigates conceiving and developing a production concept and/or production context. It explores how the concept/context is useful in creating the world of the play through design, as well as how it shapes directorial composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5304. Web Series Creation.
This course focuses on the techniques of creating a web series, script writing and development. It explores the fundamentals of film production and web publication, including marketing and identifying a target audience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5305. Web Series Creation II.
This course is a continuation of the Web Series course and specifically focuses on production of a web series. Students will write, direct, and produce their own web series for publication on the internet. Prerequisite: TH 5304 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5310. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

TH 5312. Director/Designer Collaboration.
This course examines the nature of director/designer collaboration. Particular attention is focused on discovering visual and auditory characteristics embedded in theatrical texts and exploring the way these characteristics influence interpretation and execution of the text.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5313. History of Directing and Scenography.
This course is a historical survey of the work of directors and designers. Particular emphasis will be on seminal production plans for notable directors and designers of the 20th and 21st centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5323. Shakespeare Through Performance.
This intensive summer study abroad program immerses students in the language and culture of Shakespeare's plays. Incorporating a performance-based approach to the study of Shakespeare, this course includes theatrical workshops taught by professionals at leading international theatres, including the Royal Shakespeare Company.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5324. Shakespeare: Text and Context.
This intensive study abroad program immerses students in the language and culture of Shakespeare's plays. In Stratford, academic workshops are led by scholars from the Shakespeare Birthplace Trust. Through immersion in the cultural environment in which the plays were produced, students gain insight into the context that shaped Shakespeare's theatre.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5330. Stage Management.
An in-depth seminar in stage management, including organization, techniques, and practices for managing stage productions from initial planning through performance.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5331. Television Writing.
This course focuses on the techniques of writing for television, including both half-hour situational comedies and hour-long dramas. Students will pitch story ideas, develop beat sheets, write treatments, and complete written scripts. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5332. Stage Properties.
This course trains students in the craft, artistry and management of stage properties for careers in theatre, film and the entertainment industry.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5333. Advanced Television Writing.
This course focuses on the techniques of creating a television series, including script writing and development, film production, and post-production editing. Students will spin off a character from a network or cable television series and create a new series based on that character. Graduate students will act as co-producers. Prerequisite: TH 5331 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5334. Figure Drawing for Theatre Design.
This course covers drawing the human figure using traditional media, techniques and applications. Intended for the theatre designer, this course places special emphasis on aspects of the relationship between fabric and the human figure.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5338. Advanced Stage Lighting.
Graduate lighting design is a continuation of the principles covered in Lighting Design (undergraduate). This course will concentrate primarily on the aesthetics of stage lighting, and will cover such topics as: viewer psychological and physiological responses as they pertain to visual perception; color; script analysis; use of light in creating both static and dynamic visual compositions; development and graphic representation of a theatrical lighting design.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5340. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

TH 5341. Dramatization and Adaptation.
This course focuses on the development of new theatrical scripts based on existing stories and source material. Students will explore a variety of potential source materials, pitch adaptation ideas, and complete a written script. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5342. MFA Studio I.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5343. MFA Studio II.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5345. Advanced Studies in Costume Design.
Costume problems for entire productions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5346. Historical Costume Research.
This course is a study of clothing, accessories, and customs of selected theatrical periods as an approach to costuming period plays.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5347. Advanced Costume Construction.
Advanced studies in the construction of costumes for the stage, techniques in sewing, pattern drafting/design as well as accessories/crafts construction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5348. Graphic Representation.
Students will study and practice drawing and painting techniques, as well as rendering with other media, including markers.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5350. Second Year Project.
Students in the second year of the MFA in Theatre will direct, design, or write for a departmental production. The course includes a written report of the project that demonstrates an understanding of the creative process of the chosen discipline. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5351. History of Architecture and Interiors for Theatrical Design.
This course is a study of architecture and interiors throughout history as it impacts design for theatre. This course will look at periods of design from ancient Egypt to the early Twentieth Century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5352. MFA Studio III.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5353. MFA Studio IV.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5354. Playwriting.
A seminar in the art and craft of playwriting, from initial idea through a completed draft of a play. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5355. Scene Painting.
Theory and practice of scene and costume painting as developed in the Italian Renaissance and continuing into new media available today. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5356. Theatrical Drafting: Vectorworks.
This course is a study of computer techniques and procedures used in the preparation of design and technical drawings for theatrical scenery and lighting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5357. Scene Design.
Seminar on design, emphasizing presentation and justification of executed renderings or models for selected plays. Emphasis on styles of staging, settings, lighting and properties, and their relationship to the complete production. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5358. Screenwriting.
This course offers a comprehensive study of the art and craft of writing screenplays. During a semester of intensive writing, readings, script analyses, and critiques, writers complete assignments in storytelling, character, structure, and script development. Each writer completes a full-length screenplay as the capstone project for the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5359. Advanced Screenwriting.
This course focuses on the development and revision of full-length screenplays. May be repeated for credit with different emphasis. Prerequisite: TH 5358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5360. Problems in Theatre.
Designed to give supervised experience to qualified advanced students in theatre history, playwriting, directing, acting, technical, or other theatre problems. Research problems or actual production problems may be chosen. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5361. Oregon Shakespeare Festival Intensive.
This course examines theatre production with a specific focus on directors and directing at this country's largest Shakespeare theatre, the Oregon Shakespeare Festival. Students will study issues of translating the current seasons' nine plays from script to stage, as well as analyzing the perspectives and choices of each director's production.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5363. Directing for Film.
An in-depth examination of directing theories and procedures for film with practical filming and editing exercises. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5364. Stage Directing.
Development of skills in analysis, research, staging, and production, with practical experience provided by directing scenes.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5365. Backgrounds of Modern Drama.
An analysis of those developments in dramatic literature that formed the basis of modern drama. Primary emphasis will be on nineteenth-and twentieth-century European and American drama.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5366. Directing Styles.
A study of directing different dramatic styles. Students will direct a one-act play during regular semesters. Prerequisite: TH 5364 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5367. Studies in Dramatic Theory and Criticism.
The study of dramatic theory and criticism from Aristotle to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5369. Contemporary World Theatre and Drama.
Studies of current trends in world theatre and drama.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5371. Classical and Renaissance Drama.
Seminar in Greek, French Neoclassical, and English Renaissance theatre, with intensive examination of selected works by Sophocles, Euripides, Shakespeare, and Marlowe. Primary focus will be on analysis of the plays as performance texts, and on the historical cultural environments in which the plays were created and first performed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5372. Theory and Practice of Dramaturgy.
Study of the practical application of historical research and textual analysis in the production of period plays and new works. Emphasis upon the dramaturg as an instrument of collaboration between members of the artistic team and as a facilitator of audience outreach.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5373. Advanced Film Directing.
An in-depth examination of narrative filmmaking that includes screenplay analysis, storyboarding, scheduling the shoot, directorial techniques, staging actors, camera placement, filming on location, and editing. Prerequisite: TH 5363 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5375. Advanced Playwriting.
This course focuses on an in-depth study of the techniques of playwriting and the variety of styles that a playwright might employ. The course culminates with the writing of a full-length play. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5377. Studies in Advanced Theatre Directing.
A study of directors, theories, and problems of directing in the contemporary theatre. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5378. Play Development Lab.
This course provides a laboratory workshop development process for new plays. It provides a structured environment for rigorously revising student-written works. Prerequisite: TH 5375 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5380. Advanced Scenic Painting.
Students develop scenic art skills, with an increased emphasis on realized practical production work, and a focus on the planning, sampling, and management of theatrical production paint processes. Prerequisite: TH 5355 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5381. Automated Lighting.
Automated Lighting will explore and practice methods and approaches for basic uses of multi-attribute lighting technology. We will investigate a variety of moving light and LED technology and control as well as methods of properly documenting and cueing with these complex tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5382. MFA Studio V.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis. This course now has variable content based on the composition of students.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 5383. MFA Studio VI.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5385. Lighting Console Programming.
This course covers the skills and techniques used in modern console programming for a variety of lighting systems used in the entertainment industry. The course includes programming specifics for consoles from a variety of manufacturers. Special focus is placed on execution and presentation of console programming research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5386. Lighting and Projection Design for Dance.
This course covers the skills and techniques used in lighting and projection design for dance. The students explore innovative choreographers and designers who use both established and emerging technologies in lighting and projection design. Special focus is placed on research presentations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5387. Directing Practicum.
Study of and experience in choosing, preparing, and directing a theatre production from analysis to performance. Attention is given to theatre organization and management. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5398. Final Creative Project.
Students write, direct, or design a major university theatre production, demonstrating mastery in their area of emphasis. A written report of the project must be approved by a faculty committee. This requirement for the MFA in Theatre is usually taken in the final year of study.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Theatre 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5640. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry; it is intended for students who do a full-time internship over the summer or during a regular full semester. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Fine Arts (M.F.A.) Major in Theatre (Design Concentration)

Program Overview

A Master of Fine Arts (M.F.A.) degree with a major in Theatre will prepare students for the field of theatre, more specifically to direct theatre, lead a theatre, or to teach theatre. This degree will provide students with a strong theoretical and practical education in preparing productions so that they might have long, fruitful careers in theatre or higher education. It will also hone student skills in critical thinking, problem solving, creative analysis, and application of the craft to real world projects so that they might excel in today's quickly changing and ever diverse theatre and academic environments.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree (preferably a B.A. or B.F.A. in theatre) from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 24 undergraduate hours in theatre
- GRE not required
- non-academic practical theatre experience
- resume/CV
- statement of purpose detailing the student's area of specialty, related background information, and goals in pursuing the M.F.A. in theatre
- theatre portfolio (preferably electronic) which may include rehearsal prompt books of past directing projects, design sketches and renderings, production photos, DVDs, reviews, and/or items showing process and aesthetic
- two letters of recommendation
- interview*

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

The M.F.A. in theatre requires students to work together closely; therefore, potential candidates in the directing concentration need to bring skills, temperaments, and goals that are in cohesion with the department and the cohort of students they will join. For this reason, semi-finalists will be invited to on-campus or Skype interviews/auditions.

Degree Requirements

The Master of Fine Arts (M.F.A.) degree with a major in Theatre concentration in design requires 60 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
TH 5302	Text Analysis, Research and Interpretation	3
TH 5303	Conceptualization and Composition	3
TH 5312	Director/Designer Collaboration	3
TH 5313	History of Directing and Scenography	3
TH 5342	MFA Studio I	3
TH 5343	MFA Studio II	3
TH 5352	MFA Studio III	3
TH 5353	MFA Studio IV	3
TH 5382	MFA Studio V	3
TH 5383	MFA Studio VI	3
TH 5398	Final Creative Project	3
Electives		
Choose 27 hours from the following:		27
TH 5338	Advanced Stage Lighting	
TH 5340	Professional Internship	
TH 5345	Advanced Studies in Costume Design	
TH 5346	Historical Costume Research	
TH 5347	Advanced Costume Construction	
TH 5351	History of Architecture and Interiors for Theatrical Design	
TH 5355	Scene Painting	
TH 5356	Theatrical Drafting: Vectorworks	
TH 5357	Scene Design	
TH 5359	Advanced Screenwriting	
TH 5360	Problems in Theatre	
TH 5361	Oregon Shakespeare Festival Intensive	
TH 5365	Backgrounds of Modern Drama	
TH 5367	Studies in Dramatic Theory and Criticism	
TH 5369	Contemporary World Theatre and Drama	
TH 5371	Classical and Renaissance Drama	
Total Hours		60

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Theatre: TH

Courses Offered

Theatre (TH)

TH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5301. Drama Research.
An examination of problems and research techniques in drama. Historical, critical, descriptive, and experimental research approaches will be surveyed and basic procedures in research report writing will be considered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5302. Text Analysis, Research and Interpretation.
This course reviews various methods of analysis of a dramatic text. This includes inductive, deductive, structural, and methodical approaches. It also examines techniques for production research and explores issues of interpretation that affect the development of a play's translation into a production on stage.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5303. Conceptualization and Composition.
This course investigates conceiving and developing a production concept and/or production context. It explores how the concept/context is useful in creating the world of the play through design, as well as how it shapes directorial composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5304. Web Series Creation.
This course focuses on the techniques of creating a web series, script writing and development. It explores the fundamentals of film production and web publication, including marketing and identifying a target audience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5305. Web Series Creation II.
This course is a continuation of the Web Series course and specifically focuses on production of a web series. Students will write, direct, and produce their own web series for publication on the internet. Prerequisite: TH 5304 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5310. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

TH 5312. Director/Designer Collaboration.
This course examines the nature of director/designer collaboration. Particular attention is focused on discovering visual and auditory characteristics embedded in theatrical texts and exploring the way these characteristics influence interpretation and execution of the text.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5313. History of Directing and Scenography.
This course is a historical survey of the work of directors and designers. Particular emphasis will be on seminal production plans for notable directors and designers of the 20th and 21st centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5323. Shakespeare Through Performance.
This intensive summer study abroad program immerses students in the language and culture of Shakespeare's plays. Incorporating a performance-based approach to the study of Shakespeare, this course includes theatrical workshops taught by professionals at leading international theatres, including the Royal Shakespeare Company.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5324. Shakespeare: Text and Context.
This intensive study abroad program immerses students in the language and culture of Shakespeare's plays. In Stratford, academic workshops are led by scholars from the Shakespeare Birthplace Trust. Through immersion in the cultural environment in which the plays were produced, students gain insight into the context that shaped Shakespeare's theatre.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5330. Stage Management.
An in-depth seminar in stage management, including organization, techniques, and practices for managing stage productions from initial planning through performance.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5331. Television Writing.
This course focuses on the techniques of writing for television, including both half-hour situational comedies and hour-long dramas. Students will pitch story ideas, develop beat sheets, write treatments, and complete written scripts. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5332. Stage Properties.
This course trains students in the craft, artistry and management of stage properties for careers in theatre, film and the entertainment industry.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5333. Advanced Television Writing.
This course focuses on the techniques of creating a television series, including script writing and development, film production, and post-production editing. Students will spin off a character from a network or cable television series and create a new series based on that character. Graduate students will act as co-producers. Prerequisite: TH 5331 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5334. Figure Drawing for Theatre Design.
This course covers drawing the human figure using traditional media, techniques and applications. Intended for the theatre designer, this course places special emphasis on aspects of the relationship between fabric and the human figure.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5338. Advanced Stage Lighting.
Graduate lighting design is a continuation of the principles covered in Lighting Design (undergraduate). This course will concentrate primarily on the aesthetics of stage lighting, and will cover such topics as: viewer psychological and physiological responses as they pertain to visual perception; color; script analysis; use of light in creating both static and dynamic visual compositions; development and graphic representation of a theatrical lighting design.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5340. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

TH 5341. Dramatization and Adaptation.
This course focuses on the development of new theatrical scripts based on existing stories and source material. Students will explore a variety of potential source materials, pitch adaptation ideas, and complete a written script. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5342. MFA Studio I.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5343. MFA Studio II.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5345. Advanced Studies in Costume Design.
Costume problems for entire productions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5346. Historical Costume Research.
This course is a study of clothing, accessories, and customs of selected theatrical periods as an approach to costuming period plays.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5347. Advanced Costume Construction.
Advanced studies in the construction of costumes for the stage, techniques in sewing, pattern drafting/design as well as accessories/crafts construction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5348. Graphic Representation.
Students will study and practice drawing and painting techniques, as well as rendering with other media, including markers.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5350. Second Year Project.
Students in the second year of the MFA in Theatre will direct, design, or write for a departmental production. The course includes a written report of the project that demonstrates an understanding of the creative process of the chosen discipline. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5351. History of Architecture and Interiors for Theatrical Design.
This course is a study of architecture and interiors throughout history as it impacts design for theatre. This course will look at periods of design from ancient Egypt to the early Twentieth Century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5352. MFA Studio III.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5353. MFA Studio IV.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5354. Playwriting.
A seminar in the art and craft of playwriting, from initial idea through a completed draft of a play. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5355. Scene Painting.
Theory and practice of scene and costume painting as developed in the Italian Renaissance and continuing into new media available today. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5356. Theatrical Drafting: Vectorworks.
This course is a study of computer techniques and procedures used in the preparation of design and technical drawings for theatrical scenery and lighting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5357. Scene Design.
Seminar on design, emphasizing presentation and justification of executed renderings or models for selected plays. Emphasis on styles of staging, settings, lighting and properties, and their relationship to the complete production. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5358. Screenwriting.
This course offers a comprehensive study of the art and craft of writing screenplays. During a semester of intensive writing, readings, script analyses, and critiques, writers complete assignments in storytelling, character, structure, and script development. Each writer completes a full-length screenplay as the capstone project for the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5359. Advanced Screenwriting.
This course focuses on the development and revision of full-length screenplays. May be repeated for credit with different emphasis. Prerequisite: TH 5358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5360. Problems in Theatre.
Designed to give supervised experience to qualified advanced students in theatre history, playwriting, directing, acting, technical, or other theatre problems. Research problems or actual production problems may be chosen. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5361. Oregon Shakespeare Festival Intensive.
This course examines theatre production with a specific focus on directors and directing at this country's largest Shakespeare theatre, the Oregon Shakespeare Festival. Students will study issues of translating the current seasons' nine plays from script to stage, as well as analyzing the perspectives and choices of each director's production.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5363. Directing for Film.
An in-depth examination of directing theories and procedures for film with practical filming and editing exercises. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5364. Stage Directing.
Development of skills in analysis, research, staging, and production, with practical experience provided by directing scenes.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5365. Backgrounds of Modern Drama.
An analysis of those developments in dramatic literature that formed the basis of modern drama. Primary emphasis will be on nineteenth-and twentieth-century European and American drama.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5366. Directing Styles.
A study of directing different dramatic styles. Students will direct a one-act play during regular semesters. Prerequisite: TH 5364 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5367. Studies in Dramatic Theory and Criticism.
The study of dramatic theory and criticism from Aristotle to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5369. Contemporary World Theatre and Drama.
Studies of current trends in world theatre and drama.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5371. Classical and Renaissance Drama.
Seminar in Greek, French Neoclassical, and English Renaissance theatre, with intensive examination of selected works by Sophocles, Euripides, Shakespeare, and Marlowe. Primary focus will be on analysis of the plays as performance texts, and on the historical cultural environments in which the plays were created and first performed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5372. Theory and Practice of Dramaturgy.
Study of the practical application of historical research and textual analysis in the production of period plays and new works. Emphasis upon the dramaturg as an instrument of collaboration between members of the artistic team and as a facilitator of audience outreach.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5373. Advanced Film Directing.
An in-depth examination of narrative filmmaking that includes screenplay analysis, storyboarding, scheduling the shoot, directorial techniques, staging actors, camera placement, filming on location, and editing. Prerequisite: TH 5363 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5375. Advanced Playwriting.
This course focuses on an in-depth study of the techniques of playwriting and the variety of styles that a playwright might employ. The course culminates with the writing of a full-length play. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5377. Studies in Advanced Theatre Directing.
A study of directors, theories, and problems of directing in the contemporary theatre. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5378. Play Development Lab.
This course provides a laboratory workshop development process for new plays. It provides a structured environment for rigorously revising student-written works. Prerequisite: TH 5375 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5380. Advanced Scenic Painting.
Students develop scenic art skills, with an increased emphasis on realized practical production work, and a focus on the planning, sampling, and management of theatrical production paint processes. Prerequisite: TH 5355 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5381. Automated Lighting.
Automated Lighting will explore and practice methods and approaches for basic uses of multi-attribute lighting technology. We will investigate a variety of moving light and LED technology and control as well as methods of properly documenting and cueing with these complex tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5382. MFA Studio V.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis. This course now has variable content based on the composition of students.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 5383. MFA Studio VI.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5385. Lighting Console Programming.
This course covers the skills and techniques used in modern console programming for a variety of lighting systems used in the entertainment industry. The course includes programming specifics for consoles from a variety of manufacturers. Special focus is placed on execution and presentation of console programming research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5386. Lighting and Projection Design for Dance.
This course covers the skills and techniques used in lighting and projection design for dance. The students explore innovative choreographers and designers who use both established and emerging technologies in lighting and projection design. Special focus is placed on research presentations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5387. Directing Practicum.
Study of and experience in choosing, preparing, and directing a theatre production from analysis to performance. Attention is given to theatre organization and management. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5398. Final Creative Project.
Students write, direct, or design a major university theatre production, demonstrating mastery in their area of emphasis. A written report of the project must be approved by a faculty committee. This requirement for the MFA in Theatre is usually taken in the final year of study.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Theatre 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5640. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry; it is intended for students who do a full-time internship over the summer or during a regular full semester. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Fine Arts (M.F.A.) Major in Theatre (Directing Concentration)

Program Overview

A Master of Fine Arts (M.F.A.) degree with a major in Theatre will prepare students for the field of theatre, more specifically to direct theatre, lead a theatre, or to teach theatre. This degree will provide students with a strong theoretical and practical education in preparing productions so that they might have long, fruitful careers in theatre or higher education. It will also hone student skills in critical thinking, problem solving, creative analysis, and application of the craft to real world projects so that they might excel in today's quickly changing and ever diverse theatre and academic environments.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree (preferably a B.A. or B.F.A. in theatre) from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 24 undergraduate hours in theatre
- GRE not required
- non-academic practical theatre experience
- resume/CV
- statement of purpose detailing the student's area of specialty, related background information, and goals in pursuing the M.F.A. in theatre
- theatre portfolio (preferably electronic) which may include rehearsal prompt books of past directing projects, design sketches and renderings, production photos, DVDs, reviews, and/or items showing process and aesthetic
- two letters of recommendation
- interview with program faculty may be required*

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

The M.F.A. in theatre requires students to work together closely; therefore, potential candidates in the directing concentration need to bring skills, temperaments, and goals that are in cohesion with the department and the cohort of students they will join. For this reason, semi-finalists will be invited to on-campus or Skype interviews/auditions.

Degree Requirements

The Master of Fine Arts (M.F.A.) degree with a major in Theatre concentration in Directing requires 60 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
TH 5302	Text Analysis, Research and Interpretation	3
TH 5303	Conceptualization and Composition	3
TH 5312	Director/Designer Collaboration	3
TH 5313	History of Directing and Scenography	3
TH 5340	Professional Internship	3
TH 5342	MFA Studio I	3
TH 5343	MFA Studio II	3
TH 5352	MFA Studio III	3
TH 5353	MFA Studio IV	3
TH 5365	Backgrounds of Modern Drama	3
TH 5367	Studies in Dramatic Theory and Criticism	3

TH 5369	Contemporary World Theatre and Drama	3
TH 5371	Classical and Renaissance Drama	3
TH 5382	MFA Studio V	3
TH 5383	MFA Studio VI	3
TH 5398	Final Creative Project	3
Electives		
Choose 12 hours from the following:		12
TH 5323	Shakespeare Through Performance	
TH 5324	Shakespeare: Text and Context	
TH 5330	Stage Management	
TH 5338	Advanced Stage Lighting	
TH 5340	Professional Internship	
TH 5345	Advanced Studies in Costume Design	
TH 5347	Advanced Costume Construction	
TH 5354	Playwriting	
TH 5355	Scene Painting	
TH 5357	Scene Design	
TH 5359	Advanced Screenwriting	
TH 5360	Problems in Theatre	
TH 5361	Oregon Shakespeare Festival Intensive	
TH 5363	Directing for Film	
TH 5372	Theory and Practice of Dramaturgy	
TH 5373	Advanced Film Directing	
TH 5375	Advanced Playwriting	
TH 5378	Play Development Lab	
Total Hours		60

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Theatre: TH

Courses Offered

Theatre (TH)

TH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5301. Drama Research.
An examination of problems and research techniques in drama. Historical, critical, descriptive, and experimental research approaches will be surveyed and basic procedures in research report writing will be considered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5302. Text Analysis, Research and Interpretation.
This course reviews various methods of analysis of a dramatic text. This includes inductive, deductive, structural, and methodical approaches. It also examines techniques for production research and explores issues of interpretation that affect the development of a play's translation into a production on stage.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5303. Conceptualization and Composition.
This course investigates conceiving and developing a production concept and/or production context. It explores how the concept/context is useful in creating the world of the play through design, as well as how it shapes directorial composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5304. Web Series Creation.
This course focuses on the techniques of creating a web series, script writing and development. It explores the fundamentals of film production and web publication, including marketing and identifying a target audience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5305. Web Series Creation II.
This course is a continuation of the Web Series course and specifically focuses on production of a web series. Students will write, direct, and produce their own web series for publication on the internet. Prerequisite: TH 5304 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5310. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

TH 5312. Director/Designer Collaboration.
This course examines the nature of director/designer collaboration. Particular attention is focused on discovering visual and auditory characteristics embedded in theatrical texts and exploring the way these characteristics influence interpretation and execution of the text.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5313. History of Directing and Scenography.
This course is a historical survey of the work of directors and designers. Particular emphasis will be on seminal production plans for notable directors and designers of the 20th and 21st centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5323. Shakespeare Through Performance.
This intensive summer study abroad program immerses students in the language and culture of Shakespeare's plays. Incorporating a performance-based approach to the study of Shakespeare, this course includes theatrical workshops taught by professionals at leading international theatres, including the Royal Shakespeare Company.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5324. Shakespeare: Text and Context.
This intensive study abroad program immerses students in the language and culture of Shakespeare's plays. In Stratford, academic workshops are led by scholars from the Shakespeare Birthplace Trust. Through immersion in the cultural environment in which the plays were produced, students gain insight into the context that shaped Shakespeare's theatre.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5330. Stage Management.
An in-depth seminar in stage management, including organization, techniques, and practices for managing stage productions from initial planning through performance.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5331. Television Writing.
This course focuses on the techniques of writing for television, including both half-hour situational comedies and hour-long dramas. Students will pitch story ideas, develop beat sheets, write treatments, and complete written scripts. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5332. Stage Properties.
This course trains students in the craft, artistry and management of stage properties for careers in theatre, film and the entertainment industry.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5333. Advanced Television Writing.
This course focuses on the techniques of creating a television series, including script writing and development, film production, and post-production editing. Students will spin off a character from a network or cable television series and create a new series based on that character. Graduate students will act as co-producers. Prerequisite: TH 5331 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5334. Figure Drawing for Theatre Design.
This course covers drawing the human figure using traditional media, techniques and applications. Intended for the theatre designer, this course places special emphasis on aspects of the relationship between fabric and the human figure.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5338. Advanced Stage Lighting.
Graduate lighting design is a continuation of the principles covered in Lighting Design (undergraduate). This course will concentrate primarily on the aesthetics of stage lighting, and will cover such topics as: viewer psychological and physiological responses as they pertain to visual perception; color; script analysis; use of light in creating both static and dynamic visual compositions; development and graphic representation of a theatrical lighting design.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5340. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

TH 5341. Dramatization and Adaptation.
This course focuses on the development of new theatrical scripts based on existing stories and source material. Students will explore a variety of potential source materials, pitch adaptation ideas, and complete a written script. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
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This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
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Costume problems for entire productions.
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This course is a study of clothing, accessories, and customs of selected theatrical periods as an approach to costuming period plays.
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Advanced studies in the construction of costumes for the stage, techniques in sewing, pattern drafting/design as well as accessories/crafts construction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

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Students will study and practice drawing and painting techniques, as well as rendering with other media, including markers.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5350. Second Year Project.
Students in the second year of the MFA in Theatre will direct, design, or write for a departmental production. The course includes a written report of the project that demonstrates an understanding of the creative process of the chosen discipline. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5351. History of Architecture and Interiors for Theatrical Design.
This course is a study of architecture and interiors throughout history as it impacts design for theatre. This course will look at periods of design from ancient Egypt to the early Twentieth Century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
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A seminar in the art and craft of playwriting, from initial idea through a completed draft of a play. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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TH 5355. Scene Painting.
Theory and practice of scene and costume painting as developed in the Italian Renaissance and continuing into new media available today. May be repeated with different emphasis for additional credit.
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This course is a study of computer techniques and procedures used in the preparation of design and technical drawings for theatrical scenery and lighting.
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Seminar on design, emphasizing presentation and justification of executed renderings or models for selected plays. Emphasis on styles of staging, settings, lighting and properties, and their relationship to the complete production. May be repeated with different emphasis for additional credit.
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This course offers a comprehensive study of the art and craft of writing screenplays. During a semester of intensive writing, readings, script analyses, and critiques, writers complete assignments in storytelling, character, structure, and script development. Each writer completes a full-length screenplay as the capstone project for the semester.
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TH 5359. Advanced Screenwriting.
This course focuses on the development and revision of full-length screenplays. May be repeated for credit with different emphasis. Prerequisite: TH 5358 with a grade of "C" or better.
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Grade Mode: Standard Letter

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Designed to give supervised experience to qualified advanced students in theatre history, playwriting, directing, acting, technical, or other theatre problems. Research problems or actual production problems may be chosen. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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This course examines theatre production with a specific focus on directors and directing at this country's largest Shakespeare theatre, the Oregon Shakespeare Festival. Students will study issues of translating the current seasons' nine plays from script to stage, as well as analyzing the perspectives and choices of each director's production.
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3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
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Development of skills in analysis, research, staging, and production, with practical experience provided by directing scenes.
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An analysis of those developments in dramatic literature that formed the basis of modern drama. Primary emphasis will be on nineteenth-and twentieth-century European and American drama.
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A study of directing different dramatic styles. Students will direct a one-act play during regular semesters. Prerequisite: TH 5364 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
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The study of dramatic theory and criticism from Aristotle to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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Studies of current trends in world theatre and drama.
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Study of the practical application of historical research and textual analysis in the production of period plays and new works. Emphasis upon the dramaturg as an instrument of collaboration between members of the artistic team and as a facilitator of audience outreach.
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TH 5373. Advanced Film Directing.
An in-depth examination of narrative filmmaking that includes screenplay analysis, storyboarding, scheduling the shoot, directorial techniques, staging actors, camera placement, filming on location, and editing. Prerequisite: TH 5363 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5375. Advanced Playwriting.
This course focuses on an in-depth study of the techniques of playwriting and the variety of styles that a playwright might employ. The course culminates with the writing of a full-length play. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5377. Studies in Advanced Theatre Directing.
A study of directors, theories, and problems of directing in the contemporary theatre. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5378. Play Development Lab.
This course provides a laboratory workshop development process for new plays. It provides a structured environment for rigorously revising student-written works. Prerequisite: TH 5375 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5380. Advanced Scenic Painting.
Students develop scenic art skills, with an increased emphasis on realized practical production work, and a focus on the planning, sampling, and management of theatrical production paint processes. Prerequisite: TH 5355 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5381. Automated Lighting.
Automated Lighting will explore and practice methods and approaches for basic uses of multi-attribute lighting technology. We will investigate a variety of moving light and LED technology and control as well as methods of properly documenting and cueing with these complex tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5382. MFA Studio V.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis. This course now has variable content based on the composition of students.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 5383. MFA Studio VI.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5385. Lighting Console Programming.
This course covers the skills and techniques used in modern console programming for a variety of lighting systems used in the entertainment industry. The course includes programming specifics for consoles from a variety of manufacturers. Special focus is placed on execution and presentation of console programming research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5386. Lighting and Projection Design for Dance.
This course covers the skills and techniques used in lighting and projection design for dance. The students explore innovative choreographers and designers who use both established and emerging technologies in lighting and projection design. Special focus is placed on research presentations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5387. Directing Practicum.
Study of and experience in choosing, preparing, and directing a theatre production from analysis to performance. Attention is given to theatre organization and management. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5398. Final Creative Project.
Students write, direct, or design a major university theatre production, demonstrating mastery in their area of emphasis. A written report of the project must be approved by a faculty committee. This requirement for the MFA in Theatre is usually taken in the final year of study.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Theatre 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5640. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry; it is intended for students who do a full-time internship over the summer or during a regular full semester. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Fine Arts (M.F.A.) Major in Theatre (Dramatic Writing Concentration)

Program Overview

A Master of Fine Arts (M.F.A.) degree with a major in Theatre will prepare students for the field of theatre, more specifically to direct theatre, lead a theatre, or to teach theatre. This degree will provide students with a strong theoretical and practical education in preparing productions so that they might have long, fruitful careers in theatre or higher education. It will also hone student skills in critical thinking, problem solving, creative analysis, and application of the craft to real world projects so that they might excel in today's quickly changing and ever diverse theatre and academic environments.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree (preferably a B.A. or B.F.A. in theatre) from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 24 undergraduate hours in theatre
- GRE not required
- non-academic practical theatre experience

- resume/CV
- statement of purpose
- two letters of recommendation
- samples of playwriting or creative writing

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Fine Arts (M.F.A.) degree with a major in Theatre concentration in Dramatic Writing requires 60 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
TH 5302	Text Analysis, Research and Interpretation	3
TH 5331	Television Writing	3
TH 5333	Advanced Television Writing	3
TH 5341	Dramatization and Adaptation	3
TH 5342	MFA Studio I	3
TH 5343	MFA Studio II	3
TH 5352	MFA Studio III	3
TH 5353	MFA Studio IV	3
TH 5354	Playwriting	3
TH 5358	Screenwriting	3
TH 5359	Advanced Screenwriting	3
TH 5367	Studies in Dramatic Theory and Criticism	3
TH 5369	Contemporary World Theatre and Drama	3
TH 5375	Advanced Playwriting	3
TH 5382	MFA Studio V	3
TH 5383	MFA Studio VI	3
TH 5398	Final Creative Project	3
Electives		
Choose 9 hours from the following:		9
TH 5304	Web Series Creation	
TH 5305	Web Series Creation II	
TH 5323	Shakespeare Through Performance	
TH 5324	Shakespeare: Text and Context	
TH 5340	Professional Internship	
TH 5357	Scene Design	
TH 5360	Problems in Theatre	
TH 5361	Oregon Shakespeare Festival Intensive	
TH 5363	Directing for Film	
TH 5365	Backgrounds of Modern Drama	
TH 5371	Classical and Renaissance Drama	
TH 5372	Theory and Practice of Dramaturgy	
TH 5373	Advanced Film Directing	
TH 5378	Play Development Lab	
Advisor-approved Directing Elective		
Advisor-approved English Elective		
Total Hours		60

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Theatre: TH

Courses Offered

Theatre (TH)

TH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5301. Drama Research.
An examination of problems and research techniques in drama. Historical, critical, descriptive, and experimental research approaches will be surveyed and basic procedures in research report writing will be considered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5302. Text Analysis, Research and Interpretation.
This course reviews various methods of analysis of a dramatic text. This includes inductive, deductive, structural, and methodical approaches. It also examines techniques for production research and explores issues of interpretation that affect the development of a play's translation into a production on stage.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5303. Conceptualization and Composition.
This course investigates conceiving and developing a production concept and/or production context. It explores how the concept/context is useful in creating the world of the play through design, as well as how it shapes directorial composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5304. Web Series Creation.
This course focuses on the techniques of creating a web series, script writing and development. It explores the fundamentals of film production and web publication, including marketing and identifying a target audience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5305. Web Series Creation II.
This course is a continuation of the Web Series course and specifically focuses on production of a web series. Students will write, direct, and produce their own web series for publication on the internet. Prerequisite: TH 5304 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5310. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

TH 5312. Director/Designer Collaboration.
This course examines the nature of director/designer collaboration. Particular attention is focused on discovering visual and auditory characteristics embedded in theatrical texts and exploring the way these characteristics influence interpretation and execution of the text.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5313. History of Directing and Scenography.
This course is a historical survey of the work of directors and designers. Particular emphasis will be on seminal production plans for notable directors and designers of the 20th and 21st centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5323. Shakespeare Through Performance.
This intensive summer study abroad program immerses students in the language and culture of Shakespeare's plays. Incorporating a performance-based approach to the study of Shakespeare, this course includes theatrical workshops taught by professionals at leading international theatres, including the Royal Shakespeare Company.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5324. Shakespeare: Text and Context.
This intensive study abroad program immerses students in the language and culture of Shakespeare's plays. In Stratford, academic workshops are led by scholars from the Shakespeare Birthplace Trust. Through immersion in the cultural environment in which the plays were produced, students gain insight into the context that shaped Shakespeare's theatre.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5330. Stage Management.
An in-depth seminar in stage management, including organization, techniques, and practices for managing stage productions from initial planning through performance.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5331. Television Writing.
This course focuses on the techniques of writing for television, including both half-hour situational comedies and hour-long dramas. Students will pitch story ideas, develop beat sheets, write treatments, and complete written scripts. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5332. Stage Properties.
This course trains students in the craft, artistry and management of stage properties for careers in theatre, film and the entertainment industry.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5333. Advanced Television Writing.
This course focuses on the techniques of creating a television series, including script writing and development, film production, and post-production editing. Students will spin off a character from a network or cable television series and create a new series based on that character. Graduate students will act as co-producers. Prerequisite: TH 5331 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5334. Figure Drawing for Theatre Design.
This course covers drawing the human figure using traditional media, techniques and applications. Intended for the theatre designer, this course places special emphasis on aspects of the relationship between fabric and the human figure.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5338. Advanced Stage Lighting.
Graduate lighting design is a continuation of the principles covered in Lighting Design (undergraduate). This course will concentrate primarily on the aesthetics of stage lighting, and will cover such topics as: viewer psychological and physiological responses as they pertain to visual perception; color; script analysis; use of light in creating both static and dynamic visual compositions; development and graphic representation of a theatrical lighting design.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5340. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

TH 5341. Dramatization and Adaptation.
This course focuses on the development of new theatrical scripts based on existing stories and source material. Students will explore a variety of potential source materials, pitch adaptation ideas, and complete a written script. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5342. MFA Studio I.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5343. MFA Studio II.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5345. Advanced Studies in Costume Design.
Costume problems for entire productions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5346. Historical Costume Research.
This course is a study of clothing, accessories, and customs of selected theatrical periods as an approach to costuming period plays.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5347. Advanced Costume Construction.
Advanced studies in the construction of costumes for the stage, techniques in sewing, pattern drafting/design as well as accessories/crafts construction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5348. Graphic Representation.
Students will study and practice drawing and painting techniques, as well as rendering with other media, including markers.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5350. Second Year Project.
Students in the second year of the MFA in Theatre will direct, design, or write for a departmental production. The course includes a written report of the project that demonstrates an understanding of the creative process of the chosen discipline. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5351. History of Architecture and Interiors for Theatrical Design.
This course is a study of architecture and interiors throughout history as it impacts design for theatre. This course will look at periods of design from ancient Egypt to the early Twentieth Century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5352. MFA Studio III.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5353. MFA Studio IV.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5354. Playwriting.
A seminar in the art and craft of playwriting, from initial idea through a completed draft of a play. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5355. Scene Painting.
Theory and practice of scene and costume painting as developed in the Italian Renaissance and continuing into new media available today. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5356. Theatrical Drafting: Vectorworks.
This course is a study of computer techniques and procedures used in the preparation of design and technical drawings for theatrical scenery and lighting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5357. Scene Design.
Seminar on design, emphasizing presentation and justification of executed renderings or models for selected plays. Emphasis on styles of staging, settings, lighting and properties, and their relationship to the complete production. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5358. Screenwriting.
This course offers a comprehensive study of the art and craft of writing screenplays. During a semester of intensive writing, readings, script analyses, and critiques, writers complete assignments in storytelling, character, structure, and script development. Each writer completes a full-length screenplay as the capstone project for the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5359. Advanced Screenwriting.
This course focuses on the development and revision of full-length screenplays. May be repeated for credit with different emphasis. Prerequisite: TH 5358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5360. Problems in Theatre.
Designed to give supervised experience to qualified advanced students in theatre history, playwriting, directing, acting, technical, or other theatre problems. Research problems or actual production problems may be chosen. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5361. Oregon Shakespeare Festival Intensive.
This course examines theatre production with a specific focus on directors and directing at this country's largest Shakespeare theatre, the Oregon Shakespeare Festival. Students will study issues of translating the current seasons' nine plays from script to stage, as well as analyzing the perspectives and choices of each director's production.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5363. Directing for Film.
An in-depth examination of directing theories and procedures for film with practical filming and editing exercises. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5364. Stage Directing.
Development of skills in analysis, research, staging, and production, with practical experience provided by directing scenes.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5365. Backgrounds of Modern Drama.
An analysis of those developments in dramatic literature that formed the basis of modern drama. Primary emphasis will be on nineteenth-and twentieth-century European and American drama.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5366. Directing Styles.
A study of directing different dramatic styles. Students will direct a one-act play during regular semesters. Prerequisite: TH 5364 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5367. Studies in Dramatic Theory and Criticism.
The study of dramatic theory and criticism from Aristotle to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5369. Contemporary World Theatre and Drama.
Studies of current trends in world theatre and drama.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5371. Classical and Renaissance Drama.
Seminar in Greek, French Neoclassical, and English Renaissance theatre, with intensive examination of selected works by Sophocles, Euripides, Shakespeare, and Marlowe. Primary focus will be on analysis of the plays as performance texts, and on the historical cultural environments in which the plays were created and first performed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5372. Theory and Practice of Dramaturgy.
Study of the practical application of historical research and textual analysis in the production of period plays and new works. Emphasis upon the dramaturg as an instrument of collaboration between members of the artistic team and as a facilitator of audience outreach.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5373. Advanced Film Directing.
An in-depth examination of narrative filmmaking that includes screenplay analysis, storyboarding, scheduling the shoot, directorial techniques, staging actors, camera placement, filming on location, and editing. Prerequisite: TH 5363 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5375. Advanced Playwriting.
This course focuses on an in-depth study of the techniques of playwriting and the variety of styles that a playwright might employ. The course culminates with the writing of a full-length play. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5377. Studies in Advanced Theatre Directing.
A study of directors, theories, and problems of directing in the contemporary theatre. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5378. Play Development Lab.
This course provides a laboratory workshop development process for new plays. It provides a structured environment for rigorously revising student-written works. Prerequisite: TH 5375 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5380. Advanced Scenic Painting.
Students develop scenic art skills, with an increased emphasis on realized practical production work, and a focus on the planning, sampling, and management of theatrical production paint processes. Prerequisite: TH 5355 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5381. Automated Lighting.
Automated Lighting will explore and practice methods and approaches for basic uses of multi-attribute lighting technology. We will investigate a variety of moving light and LED technology and control as well as methods of properly documenting and cueing with these complex tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5382. MFA Studio V.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis. This course now has variable content based on the composition of students.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 5383. MFA Studio VI.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5385. Lighting Console Programming.
This course covers the skills and techniques used in modern console programming for a variety of lighting systems used in the entertainment industry. The course includes programming specifics for consoles from a variety of manufacturers. Special focus is placed on execution and presentation of console programming research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5386. Lighting and Projection Design for Dance.
This course covers the skills and techniques used in lighting and projection design for dance. The students explore innovative choreographers and designers who use both established and emerging technologies in lighting and projection design. Special focus is placed on research presentations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5387. Directing Practicum.
Study of and experience in choosing, preparing, and directing a theatre production from analysis to performance. Attention is given to theatre organization and management. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5398. Final Creative Project.
Students write, direct, or design a major university theatre production, demonstrating mastery in their area of emphasis. A written report of the project must be approved by a faculty committee. This requirement for the MFA in Theatre is usually taken in the final year of study.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Theatre 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5640. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry; it is intended for students who do a full-time internship over the summer or during a regular full semester. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Minor in Theatre

The graduate minor in Theatre requires 6 semester credit hours of advisor-approved TH courses.

Code	Title	Hours
Advisor Approved Graduate Elective in Theatre		3
Advisor Approved Graduate Elective in Theatre		3
Total Hours		6

College of Health Professions

Dean
Ruth B. Welborn, Ph.D.
Encino Hall Room 201

Telephone: 512-245-3300 Fax 512-245-3791
http://www.health.txstate.edu/

Associate Dean
Matthew S. Brooks, Ph.D.
Associate Dean
Marla A. Erbin-Roesemann, Ph.D.
Associate Dean for Research
Rodney E. Rohde, Ph.D.

Department Chairs/Program Chairs/School Directors
Clinical Laboratory Science–Rodney E. Rohde, Ph.D.
Communication Disorders–Valarie B. Fleming, Ph.D.
Health Administration–Matthew S. Brooks, Ph.D.
Health Information Management–Alexander McLeod, Ph.D.
Nursing–Marla A. Erbin-Roesemann, Ph.D.
Physical Therapy–Barbara L. Sanders, Ph.D.
Radiation Therapy–Ronnie G. Lozano, Ph.D.
Respiratory Care–S. Gregg Marshall, Ph.D.

The College of Health Professions prepares students for careers in the healthcare field. Through its professional, technical, clinical, and academic programs, the college serves as an advocate for change and technical improvement in the field. The college also serves as a catalyst to expand and improve public perceptions of healthcare.

Graduate programs are offered in communication disorders, healthcare administration, health information management, physical therapy, nursing, and respiratory care. The college has a number of cooperating teaching sites and more than 1200 affiliations with hospitals and other healthcare facilities.

Programs offered in the College of Health Professions have specific admission requirements in addition to Texas State admission requirements. Most programs also have requirements for student liability insurance and immunizations. Background checks and drug testing may be required.

Clinical laboratory science and radiation therapy do not offer a graduate major, minor, or degree.

Immunization Requirements

It is the policy of the College of Health Professions that each student must provide a Health Report completed by a physician, and must take specific immunizations before the student can be placed in a clinical or internship assignment. Information on these requirements and the required forms may be obtained through the program/department/school office.

Background Check and Drug Screening

As a condition for placement in some professional practice sites, some students are required to have a background check and/or drug screening to meet requirements set by individual sites. Information on the drug screening process will be provided by program/department/school. Previous misdemeanor or felony convictions under various titles of the Texas Penal Code may affect eligibility for practitioner license status following graduation.

Department of Communication Disorders

Willow Hall, Room 253-D

Round Rock Campus

100 Bobcat Way
Round Rock, TX
T: 512-716-2624 F: 512-716-2623
http://www.health.txstate.edu/CDIS

Mission Statement

The Department of Communication Disorders, located in Round Rock, is dedicated to excellence in teaching, research, and clinical practice in speech-language pathology and audiology. We are committed to innovative instruction, expansion of knowledge, and community-based collaboration to create a vibrant and supportive learning community that engages and inspires students, faculty, staff, and clients. Advanced clinical and educational training, grounded in evidence-based practices (EBP) and practice-based evidence (PBE), prepares students to serve individuals with communication disorders and their families in an ethical and culturally competent manner.

Vision Statement

The vision of the Department of Communication Disorders is to become the leading program in the State of Texas for educating future speech-language pathologists and audiologists for clinical, research, and leadership roles ready to work successfully with culturally and/or linguistically diverse across the lifespan.

The Department prepares students at the graduate level to diagnose and manage speech, language, communication, swallowing, and hearing impairments in children and adults. A Master's degree is required for state licensure and national certification. The graduate program is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology.

Immunization Requirements

It is the policy of the College of Health Professions that each student must provide a health report completed by a physician or licensed healthcare provider, and must take specific immunizations before the student can be placed in a clinical or internship assignment. Information on these requirements and the required forms may be obtained through the department office.

Background Check and Drug Screening

As a condition for placement in some professional practice sites, some students are required to have a background check and/or drug screening to meet requirements set by individual sites, Information on the background check/drug screening process will be provided by the department. Previous misdemeanor or felony convictions under various titles of the Texas Penal Code may affect eligibility for practitioner license status following graduation.

Master of Arts (M.A.)

- Major in Communication Disorders (p. 1905)

Master of Science in Communication Disorders (M.S.C.D.)

- Major in Communication Disorders (p. 1910)

Master of Arts (M.A.) Major in Communication Disorders

Major Program

The Master of Arts (M.A.) degree with a major in Communication Disorders is clinically oriented and is designed to prepare clinicians for employment in hospitals, clinics, private practice, and public schools. The program meets the minimum education and clinical requirements for state licensure as a speech-language pathologist and for the Certificate of Clinical Competence in Speech-Language Pathology awarded by the American Speech-Language-Hearing Association (ASHA). The academic program is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of ASHA.

Candidates for the communication disorders master's degree are encouraged to earn a passing score on the Praxis Examination in Speech-Language Pathology before graduation and substitute a passing score for the required departmental graduate comprehensive examination.

Facilities

The university operates the Speech-Language-Hearing Clinic on a twelve-month basis and is nationally known as a treatment center for communication disorders. Graduate students utilize the clinic for research in addition to clinical training experiences.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in communication disorders or leveling coursework from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in undergraduate communication disorders courses
- GRE not required
- prerequisite course form
- resume/CV
- statement of purpose addressing the following:
  - which areas of speech pathology practice or research hold the most interest and why
  - the rationale for applying to the Communication Disorders graduate program at Texas State University
  - any distinguishing life experiences, situations, and/or research interests
- three recommendation forms

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met

Degree Requirements

The Master of Arts (M.A.) degree with a major in Communication Disorders requires 39 semester credit hours.

Background

The number of hours of background work required is determined in consultation with the communication disorders graduate advisor and is dependent on the courses taken at the undergraduate level. Please refer to the Leveling Course Sequence located on the Department of Communication Disorders website at https://www.health.txstate.edu/cdis/prospective-students/Admissions/Graduate-Admissions.html. Upon completion of the required background work (leveling), applicants may apply for admission to the regular graduate sequence for a fall term. **Completion of the background requirements in the Department of Communication Disorders at Texas State DOES NOT GUARANTEE admission to the TWO-YEAR graduate program.**

Course Requirements

Code	Title	Hours
Required Courses		
CDIS 5331	Stuttering Therapy	3
CDIS 5333	Language Disorders in School-Age and Adolescence	3
CDIS 5334	Articulation and Phonological Disorders: Assessment and Intervention	3
CDIS 5336	Neuromotor Disorders of Speech: Description and Rehabilitation	3
CDIS 5337	Vocal Rehabilitation	3
CDIS 5339	Dysphagia	3
CDIS 5342	Aphasia and Related Disorders	3
CDIS 5362	Introduction to Research in Communicative Disorders	3
CDIS 5363	Language Disorders in the Birth-to-5 Population	3
Cognate [1]		
CDIS 5340	Cognitive Rehabilitation in Traumatic Brain Injury	3
CDIS 5350	Multicultural Issues in Communication Disorders	3
Thesis		
CDIS 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
CDIS 5199B	Thesis	
CDIS 5299B	Thesis	
CDIS 5399B	Thesis	
CDIS 5599B	Thesis	

CDIS 5999B	Thesis	
Total Hours		39

[1] **Cognate Requirement and Clinical Practicum**
The communication disorders M.A. degree requires a specific minor from within the Department of Communication Disorders. Please consult with the communication disorders graduate advisor for more information about this program. Students must choose the 6-hour Communication Disorders Cognate for this program.
In order to obtain the required 400 clinical hours for certification, students must enroll for clinical practicum each term enrolled for study toward the master's degree and until all clinical hours are completed.Students participating in on-campus clinical practicum in speech-language pathology must enroll in CDIS 5344.
Students earning supervised clock hours in audiology must enroll in CDIS 5321. Graduate students earning clinical hours in both speech-language pathology and audiology during the term must enroll for both CDIS 5344 and CDIS 5321 concurrently. Students participating in off-campus clinical practicum must enroll in CDIS 5689. Academic hours for clinical practicum do not count toward the degree.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Communication Disorders: CDIS (p. 1907), HP (p. 1910)

Courses Offered

Communication Disorders (CDIS)

CDIS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5301. Advanced Independent Study in Communication Disorders.
Discussions of various areas of speech language pathology. Attention to individual needs of the student. Emphasis on independent study in habilitation and rehabilitation of communication disorders. This course is repeatable for credit and can be taught by different faculty covering different topics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5312. Neuroanatomy for Communication Disorders.
This is a lecture course that examines the organization of the brain, spinal cord, and peripheral nervous system. Significance of the areas of the nervous system that are primary or secondary for speech, language, and hearing are the main focus of this course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5321. Clinical Practicum in Audiology.
Supervised clinical practicum in audiology. Focus is on both diagnostic and rehabilitative audiological management of diverse populations. Must be taken every semester that a student participates in supervised audiology practicum. May be repeated for credit. This course does not earn graduate degree credit. Prerequisites: CDIS 4420 and CDIS 4370 or equivalents; instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required
Grade Mode: Leveling/Assistantships

CDIS 5325. Anatomy and Physiology of the Speech Production System.
Description of structure and function of the speech production system with emphasis on physical problems in speech, language, and hearing. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5330. Speech and Language Development.
Course to acquaint students with acquisition of speech and language in children. Basic information from linguistics, psycholinguistics, psychology, and communication are examined for children in various stages of development. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5331. Stuttering Therapy.
Description of therapeutic intervention with children and adults who stutter. Techniques of assessment, management, and counseling are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5333. Language Disorders in School-Age and Adolescence.
This introductory-level course will review assessment and intervention for language disorders in the school-age and adolescent population. The relationship between language and literacy will be discussed. Students will engage in detailed narrative analyses. Evidence-based practice and collaborative models of intervention will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5334. Articulation and Phonological Disorders: Assessment and Intervention.
Study of normal, delayed, and disordered child phonology in English and select dialects/languages. Course covers etiologies, characteristics, and anatomic/physiologic bases of delays/disorders, as well as their potential impact on phonological awareness and subsequent development in reading/writing. Prevention, assessment, and treatment of disorders will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5335. Bilingual Phonology and Phonological Disorders.
Typical development of Spanish-English bilingual/bidialectal children's articulation and phonology will be discussed. Assessment and intervention of articulation and phonology with bilingual/bidialectal children will also be addressed. The information and theoretical foundations serve as a guide for students to critically evaluate and clinically apply research in bilingual populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5336. Neuromotor Disorders of Speech: Description and Rehabilitation.
The course reviews the neuroanatomic mechanisms underlying speech production and surveys the etiology, symptomatology, epidemiology, course, and prognosis of speech disorders resulting from impairment of the central and/or peripheral nervous system. Emphasis is placed on apraxia and the dysarthrias. Clinical application in assessment and rehabilitation of patients with neurogenically-based motor speech deficits is stressed. Prerequisite: CDIS 3312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5337. Vocal Rehabilitation.
Assessment of vocal function and disorders; rehabilitation of the patient with vocal abnormalities due to vocal abuse, psychological, and/or organic etiologies, including laryngectomy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5339. Dysphagia.
A review of anatomic and physiologic disturbances of swallowing in neurologically impaired and post-surgical head and neck cancer patients will be presented. Instrumentation, techniques of evaluation, and radiograph examination of deglutition will be reviewed. Rehabilitation procedures will be described in detail.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5340. Cognitive Rehabilitation in Traumatic Brain Injury.
This introductory-level course will review neuropathology and neurophysiology of traumatic brain injury and dementia, introduce relevant terms and models in cognitive rehabilitation, provide a framework for assessment and treatment, and discuss the functional impact of cognitive-communicative disorders on the patient and others. Prerequisites: CDIS 5336 and CDIS 5342 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5342. Aphasia and Related Disorders.
The course develops an understanding of the etiology, symptomatology, assessment, remediation, and recovery patterns of acquired communication disorders that result from impairment of the central nervous system, with a focus on the aphasias and traumatic brain injuries. Coexisting problems caused by damage to cortical/sub-cortical structures will also be addressed. Recent advances in relevant clinical research and technology will be surveyed. Prerequisite: CDIS 3312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5344. Advanced Clinical Practicum.
Clinical practicum for graduate students focusing on assessment and remediation of communication disorders in children and adults. Required each semester enrolled. Repeatable. This course does not earn graduate degree credit.
3 Credit Hours. 1 Lecture Contact Hour. 8 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required
Grade Mode: Leveling/Assistantships

CDIS 5350. Multicultural Issues in Communication Disorders.
Addresses the social, cultural, and linguistic factors that impact the clinical service delivery provided to culturally and linguistically diverse populations. A primary focus of the course will be to address general principles of assessment and intervention as they relate to the clinical management of individuals with communication disorders from diverse cultural and language backgrounds. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

CDIS 5362. Introduction to Research in Communicative Disorders.
Designed to acquaint the student with research protocol in behavior science, with an emphasis in speech-language pathology. Topics include research design, data analysis, manuscript preparation, and obtaining external funding. Emphasis on critical analysis of professional literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5363. Language Disorders in the Birth-to-5 Population.
This introductory-level course will review assessment and intervention for language disorders in the birth-to-5 population. Use of assessment information to determine language disorders versus language difference will be addressed. Students will engage in detailed language sample analyses. Creating effective intervention plans using assessment data will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5370. Aural Rehabilitation.
Principles and procedures in the habilitation and rehabilitation of hearing-impaired children and adults. This course does not earn graduate degree credit. Prerequisite: CDIS 5420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5380. Communication and Aging.
The influx of senior citizens in our population will require preparation for the increased incidence of communication problems due to normal and pathological aging processes. This course will address how aging affects communication, how communication disorders manifest in the aging population, and implications for professionals working with older adults.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5390. Seminar in Communication Disorders.
Examination of current theoretical and clinical issues in Communication Disorders. Issues may include family management in communication disorders, language and literacy, issues in health care rehabilitation, instrumentation and entrepreneurship. May be repeated for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CDIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Communication Disorders 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5420. Introduction to Audiology.
Relates anatomy and physiology of the auditory system and the science of acoustics to the study of normal, pathological auditory function. Laboratory experience in administration and interpretation of audiological tests. Discussion of professional opportunities in the field of Audiology and provision of audiological service to special populations. This course does not earn graduate degree credit. Prerequisite: CDIS 5469 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5459. Phonemics and Phonetics.
Analysis of normal and abnormal phonological processes in children and adults. Proficiency in transcription using the alphabet of the International Phonetic Association emphasized. This course does not earn graduate degree credit.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5462. Remediation of Articulatory and Phonological Disorders.
This course prepares students to manage articulation and phonological disorders. Current therapeutic models are reviewed. Observation of therapy and instruction in preparation of written clinical reports are required. This course does not earn graduate degree credit. Prerequisites: CDIS 5325 and CDIS 5459 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5466. Clinical Management of Language Disorders.
Study of principles and procedures for the identification, description, assessment, and remediation of language disorders in infants, children, and adolescents. Students will observe demonstrations of assessment procedures and types of language disorders within the context of clinical procedures. Describing observed behaviors and analyzing language samples are emphasized. This course does not earn graduate degree credit. Prerequisite: CDIS 5330 with a grade of "C" or better.
4 Credit Hours. 4 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5469. Introduction to Hearing Science.
Study of acoustics, auditory physiology, and perception of sound. Includes discussion of auditory sensitivity, signal detection, psychoacoustic methods, perception of pitch and loudness, binaural hearing, and speech perception. Associated laboratory promotes reinforcement of concepts addressed in lecture through review, problem-solving, and weekly assignments. This course does not earn graduate degree credit.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5475. Speech Science.
Normal processes of speech production will be addressed from anatomic, physiologic, kinematic, aerodynamic, acoustic, and perceptual perspectives. Measurement and analysis techniques, instrumentation, and experimental paradigms used to study speech production and perception will be emphasized. This course does not earn graduate degree credit. Prerequisites: CDIS 5325 and CDIS 5459 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5680. International Multicultural Experience in Communication Disorders.
This is a Study Abroad opportunity allowing students to compare speech-language-hearing clinical and educational models in the United States with those from other countries. Emphasis is on social, linguistic, economic and cultural factors that impact assessment and treatment. This course combines time on-campus with a multi-week, international learning experience.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CDIS 5689. Internship in Communication Disorders.
Laboratory and clinical practicum at selected therapeutic sites used to provide additional breadth to therapeutic experiences. Repeated for credit. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
6 Credit Hours. 1 Lecture Contact Hour. 30 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CDIS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Health Professions (HP)

HP 5300. Teaching in the Health Professions.
This course is an introduction to curriculum, instruction, and assessment methods in teaching and covers topics related to instruction in lecture, laboratories, and clinical settings. This course is required for first year teaching assistants and graduate instructional assistants. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

Master of Science in Communication Disorders (M.S.C.D.) Major in Communication Disorders

Major Program

The Master of Science in Communication Disorders (M.S.C.D.) degree with a major in Communication Disorders is clinically oriented and is designed to prepare clinicians for employment in hospitals, clinics, private practice, and public schools. The program meets the minimum education and clinical requirements for state licensure as a speech-language pathologist and for the Certificate of Clinical Competence in Speech-Language Pathology awarded by the American Speech-Language-Hearing Association (ASHA). The academic program is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of ASHA.

Candidates for the communication disorders master's degree are encouraged to earn a passing score on the Praxis Examination in Speech-Language Pathology before graduation and substitute a passing score for the required departmental graduate comprehensive examination.

Facilities

The university operates the Speech-Language-Hearing Clinic on a twelve-month basis and is nationally known as a treatment center for communication disorders. Graduate students utilize the clinic for research in addition to clinical training experiences.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in communication disorders or leveling coursework from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in undergraduate communication disorders courses
- GRE not required
- prerequisite course form
- resume/CV
- statement of purpose addressing the following:
  - which areas of speech pathology practice or research hold the most interest and why
  - the rationale for applying to the Communication Disorders graduate program at Texas State University
  - any distinguishing life experiences, situations, and/or research interests
- three recommendation forms

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met

Degree Requirements

The Master of Science in Communication Disorders (M.S.C.D.) degree with a major in Communication Disorders requires 36 semester credit hours.

Background

The number of hours of background work required is determined in consultation with the communication disorders graduate advisor and is dependent on the courses taken at the undergraduate level. Please refer to the Leveling Course Sequence located on the Department of Communication Disorders website at http://www.health.txstate.edu/cdis/Admissions/Graduate-Admissions.html. Upon completion of the required

background work (leveling), applicants may apply for admission to the regular graduate sequence for a fall term. **Completion of the background requirements in the Department of Communication Disorders at Texas State DOES NOT GUARANTEE admission to the TWO-YEAR graduate program.**

Course Requirements

Code	Title	Hours
Required Courses		
CDIS 5331	Stuttering Therapy	3
CDIS 5333	Language Disorders in School-Age and Adolescence	3
CDIS 5334	Articulation and Phonological Disorders: Assessment and Intervention	3
CDIS 5336	Neuromotor Disorders of Speech: Description and Rehabilitation	3
CDIS 5337	Vocal Rehabilitation	3
CDIS 5339	Dysphagia	3
CDIS 5342	Aphasia and Related Disorders	3
CDIS 5362	Introduction to Research in Communicative Disorders	3
CDIS 5363	Language Disorders in the Birth-to-5 Population	3
Cognate [1]		
CDIS 5340	Cognitive Rehabilitation in Traumatic Brain Injury	3
CDIS 5350	Multicultural Issues in Communication Disorders	3
CDIS 5390	Seminar in Communication Disorders	3
or CDIS 5301	Advanced Independent Study in Communication Disorders	
Total Hours		36

[1] **Cognate Requirement and Clinical Practicum**
The communication disorders M.S.C.D. degree requires specific minors from within the Department of Communication Disorders. Please consult with the communication disorders graduate advisor for more information about this program. Students must choose from the following cognate options:

- Communication Disorders Autism Cognate
- Communication Disorders Bilingual Cognate
- Communication Disorders Fluency Cognate
- Communication Disorders Neurogenic, Voice, & Swallowing Cognate
- Communication Disorders Versatility in Practice Cognate

In order to obtain the required 400 clinical hours for certification, students must enroll for clinical practicum each term enrolled for study toward the master's degree and until all clinical hours are completed. Students participating in on-campus clinical practicum in speech-language pathology must enroll in CDIS 5344. Students earning supervised clock hours in audiology must enroll in CDIS 5321. Graduate students earning clinical hours in both speech-language pathology and audiology during the term must enroll for both CDIS 5344 and CDIS 5321 concurrently. Students participating in off-campus clinical practicum must enroll in CDIS 5689. Academic hours for clinical practicum do not count toward the degree.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Communication Disorders: CDIS (p. 1911), HP (p. 1914)

Courses Offered

Communication Disorders (CDIS)

CDIS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5301. Advanced Independent Study in Communication Disorders.
Discussions of various areas of speech language pathology. Attention to individual needs of the student. Emphasis on independent study in habilitation and rehabilitation of communication disorders. This course is repeatable for credit and can be taught by different faculty covering different topics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5312. Neuroanatomy for Communication Disorders.
This is a lecture course that examines the organization of the brain, spinal cord, and peripheral nervous system. Significance of the areas of the nervous system that are primary or secondary for speech, language, and hearing are the main focus of this course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5321. Clinical Practicum in Audiology.
Supervised clinical practicum in audiology. Focus is on both diagnostic and rehabilitative audiological management of diverse populations. Must be taken every semester that a student participates in supervised audiology practicum. May be repeated for credit. This course does not earn graduate degree credit. Prerequisites: CDIS 4420 and CDIS 4370 or equivalents; instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required
Grade Mode: Leveling/Assistantships

CDIS 5325. Anatomy and Physiology of the Speech Production System.
Description of structure and function of the speech production system with emphasis on physical problems in speech, language, and hearing. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5330. Speech and Language Development.
Course to acquaint students with acquisition of speech and language in children. Basic information from linguistics, psycholinguistics, psychology, and communication are examined for children in various stages of development. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5331. Stuttering Therapy.
Description of therapeutic intervention with children and adults who stutter. Techniques of assessment, management, and counseling are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5333. Language Disorders in School-Age and Adolescence.
This introductory-level course will review assessment and intervention for language disorders in the school-age and adolescent population. The relationship between language and literacy will be discussed. Students will engage in detailed narrative analyses. Evidence-based practice and collaborative models of intervention will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5334. Articulation and Phonological Disorders: Assessment and Intervention.
Study of normal, delayed, and disordered child phonology in English and select dialects/languages. Course covers etiologies, characteristics, and anatomic/physiologic bases of delays/disorders, as well as their potential impact on phonological awareness and subsequent development in reading/writing. Prevention, assessment, and treatment of disorders will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5335. Bilingual Phonology and Phonological Disorders.
Typical development of Spanish-English bilingual/bidialectal children's articulation and phonology will be discussed. Assessment and intervention of articulation and phonology with bilingual/bidialectal children will also be addressed. The information and theoretical foundations serve as a guide for students to critically evaluate and clinically apply research in bilingual populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5336. Neuromotor Disorders of Speech: Description and Rehabilitation.
The course reviews the neuroanatomic mechanisms underlying speech production and surveys the etiology, symptomatology, epidemiology, course, and prognosis of speech disorders resulting from impairment of the central and/or peripheral nervous system. Emphasis is placed on apraxia and the dysarthrias. Clinical application in assessment and rehabilitation of patients with neurogenically-based motor speech deficits is stressed. Prerequisite: CDIS 3312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5337. Vocal Rehabilitation.
Assessment of vocal function and disorders; rehabilitation of the patient with vocal abnormalities due to vocal abuse, psychological, and/or organic etiologies, including laryngectomy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5339. Dysphagia.
A review of anatomic and physiologic disturbances of swallowing in neurologically impaired and post-surgical head and neck cancer patients will be presented. Instrumentation, techniques of evaluation, and radiograph examination of deglutition will be reviewed. Rehabilitation procedures will be described in detail.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5340. Cognitive Rehabilitation in Traumatic Brain Injury.
This introductory-level course will review neuropathology and neurophysiology of traumatic brain injury and dementia, introduce relevant terms and models in cognitive rehabilitation, provide a framework for assessment and treatment, and discuss the functional impact of cognitive-communicative disorders on the patient and others. Prerequisites: CDIS 5336 and CDIS 5342 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5342. Aphasia and Related Disorders.
The course develops an understanding of the etiology, symptomatology, assessment, remediation, and recovery patterns of acquired communication disorders that result from impairment of the central nervous system, with a focus on the aphasias and traumatic brain injuries. Coexisting problems caused by damage to cortical/sub-cortical structures will also be addressed. Recent advances in relevant clinical research and technology will be surveyed. Prerequisite: CDIS 3312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5344. Advanced Clinical Practicum.
Clinical practicum for graduate students focusing on assessment and remediation of communication disorders in children and adults. Required each semester enrolled. Repeatable. This course does not earn graduate degree credit.
3 Credit Hours. 1 Lecture Contact Hour. 8 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required
Grade Mode: Leveling/Assistantships

CDIS 5350. Multicultural Issues in Communication Disorders.
Addresses the social, cultural, and linguistic factors that impact the clinical service delivery provided to culturally and linguistically diverse populations. A primary focus of the course will be to address general principles of assessment and intervention as they relate to the clinical management of individuals with communication disorders from diverse cultural and language backgrounds. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

CDIS 5362. Introduction to Research in Communicative Disorders.
Designed to acquaint the student with research protocol in behavior science, with an emphasis in speech-language pathology. Topics include research design, data analysis, manuscript preparation, and obtaining external funding. Emphasis on critical analysis of professional literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5363. Language Disorders in the Birth-to-5 Population.
This introductory-level course will review assessment and intervention for language disorders in the birth-to-5 population. Use of assessment information to determine language disorders versus language difference will be addressed. Students will engage in detailed language sample analyses. Creating effective intervention plans using assessment data will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5370. Aural Rehabilitation.
Principles and procedures in the habilitation and rehabilitation of hearing-impaired children and adults. This course does not earn graduate degree credit. Prerequisite: CDIS 5420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5380. Communication and Aging.
The influx of senior citizens in our population will require preparation for the increased incidence of communication problems due to normal and pathological aging processes. This course will address how aging affects communication, how communication disorders manifest in the aging population, and implications for professionals working with older adults.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5390. Seminar in Communication Disorders.
Examination of current theoretical and clinical issues in Communication Disorders. Issues may include family management in communication disorders, language and literacy, issues in health care rehabilitation, instrumentation and entrepreneurship. May be repeated for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CDIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Communication Disorders 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5420. Introduction to Audiology.
Relates anatomy and physiology of the auditory system and the science of acoustics to the study of normal, pathological auditory function. Laboratory experience in administration and interpretation of audiological tests. Discussion of professional opportunities in the field of Audiology and provision of audiological service to special populations. This course does not earn graduate degree credit. Prerequisite: CDIS 5469 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5459. Phonemics and Phonetics.
Analysis of normal and abnormal phonological processes in children and adults. Proficiency in transcription using the alphabet of the International Phonetic Association emphasized. This course does not earn graduate degree credit.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5462. Remediation of Articulatory and Phonological Disorders.
This course prepares students to manage articulation and phonological disorders. Current therapeutic models are reviewed. Observation of therapy and instruction in preparation of written clinical reports are required. This course does not earn graduate degree credit. Prerequisites: CDIS 5325 and CDIS 5459 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5466. Clinical Management of Language Disorders.
Study of principles and procedures for the identification, description, assessment, and remediation of language disorders in infants, children, and adolescents. Students will observe demonstrations of assessment procedures and types of language disorders within the context of clinical procedures. Describing observed behaviors and analyzing language samples are emphasized. This course does not earn graduate degree credit. Prerequisite: CDIS 5330 with a grade of "C" or better.
4 Credit Hours. 4 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5469. Introduction to Hearing Science.
Study of acoustics, auditory physiology, and perception of sound. Includes discussion of auditory sensitivity, signal detection, psychoacoustic methods, perception of pitch and loudness, binaural hearing, and speech perception. Associated laboratory promotes reinforcement of concepts addressed in lecture through review, problem-solving, and weekly assignments. This course does not earn graduate degree credit.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5475. Speech Science.
Normal processes of speech production will be addressed from anatomic, physiologic, kinematic, aerodynamic, acoustic, and perceptual perspectives. Measurement and analysis techniques, instrumentation, and experimental paradigms used to study speech production and perception will be emphasized. This course does not earn graduate degree credit. Prerequisites: CDIS 5325 and CDIS 5459 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5680. International Multicultural Experience in Communication Disorders.
This is a Study Abroad opportunity allowing students to compare speech-language-hearing clinical and educational models in the United States with those from other countries. Emphasis is on social, linguistic, economic and cultural factors that impact assessment and treatment. This course combines time on-campus with a multi-week, international learning experience.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CDIS 5689. Internship in Communication Disorders.
Laboratory and clinical practicum at selected therapeutic sites used to provide additional breadth to therapeutic experiences. Repeated for credit. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
6 Credit Hours. 1 Lecture Contact Hour. 30 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CDIS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Health Professions (HP)

HP 5300. Teaching in the Health Professions.
This course is an introduction to curriculum, instruction, and assessment methods in teaching and covers topics related to instruction in lecture, laboratories, and clinical settings. This course is required for first year teaching assistants and graduate instructional assistants. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

School of Health Administration

Encino Hall Room 250
T: 512.245.3494 F: 512.245.8712
http://www.health.txstate.edu/HA

Welcome to the School of Health Administration, which has steadily over the last 20 years assembled one of the best Health Administration (HA) faculties in the nation. The HA faculty have both educational preparation and the real-world experience necessary to maintain credibility with both students and employers of our students. The school boasts five faculty with the rank of professor teaching in HA, and nine faculty certified by the American College of Healthcare Executives at the highest level of Fellow. In addition, we have two faculty members certified at the highest level of Fellow in the Healthcare Financial Management Association.

Immunization Requirements

It is the policy of the College of Health Professions that each student must provide a health report completed by a health care provider and must take specific immunizations before the student can be placed in field placement. Information on these requirements and the required forms may be obtained through the program/department/school office.

Background Check and Drug Screening

As a condition for placement in all professional practice sites, students are required to have a background check and/or drug screening to meet requirements set by individual sites. Information on the drug screening process will be provided by program/department/school. Previous misdemeanor or felony convictions under various titles of the Texas Penal Code will affect eligibility for placement in field experience.

Master of Healthcare Administration (M.H.A.)

- Major in Healthcare Administration (Non-thesis Option) (p. 1915)
- Major in Healthcare Administration (Thesis Option) (p. 1918)

Minors

- Healthcare Administration (p. 1922)

Certificates

- Long Term Care Administration (p. 1922)

Master of Healthcare Administration (M.H.A.) Major in Healthcare Administration (Non-thesis Option)

Major Program

The Master of Healthcare Administration (M.H.A.) degree with a major in Healthcare Administration offers courses designed to enhance the career mobility of persons currently employed in health professions as well as to provide a solid base of academic and directed experiences for persons who may desire entry into the field of health administration. The primary focus of the curriculum is middle-to senior-level management.

Principal areas of study include health and disease; sociological, economic, legal, and political forces which affect health care; and management organizational behaviors including such specializations as financial management, human resource management, planning, marketing, and data generation and analysis.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application and additional HAMPCAS application
- separate HAMPCAS application fee

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 575 on the admissions index*
- background course work in statistics, economics, and financial accounting (to be completed before the start of the program)
- official GRE (general test only) with competitive scores*
  - The GRE may be waived if you hold a master's or doctoral degree from a regionally accredited U,S. institution. If you hold a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- interview with the graduate advisor assessing the student's commitment to completing the program
- resume/CV
- statement of purpose indicating the student's ability and interest in completing the degree program in healthcare administration
- three letters of recommendation from professionals or academics competent to assess the student's interest in pursuing a career in healthcare administration

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

The student's admissions index is calculated using the following formula:

(last-60-hours GPA x 100) + GRE verbal section scores + GRE quantitative section scores

A minimum of 575 on the admissions index is required.

Degree Requirements

The Master of Healthcare Administration (M.H.A.) degree with a major in Healthcare Administration requires 49 semester credit hours.

Prerequisites

Course prerequisites for healthcare administration majors include the following: statistics, economics, and financial accounting. These prerequisites may be accepted from other universities and should be taken prior to entering the graduate program.

Course Requirements

Code	Title	Hours
Required Courses		
HA 5300	Healthcare Organization and Delivery	3
HA 5301	Healthcare Administration Research Methods	3
HA 5303	Information Systems Management in Healthcare	3
HA 5304	Healthcare Economics and Financial Theory	3
HA 5316	Healthcare Financial Management	3
HA 5321	Healthcare Law	3
HA 5325	Health Care Quality Improvement Concepts and Tools	3
HA 5334	Operational Decision Making for Healthcare Managers	3
HA 5335	Public Health for Healthcare Administrators	3
HA 5346	Healthcare Strategic Management	3
HA 5355	Human Resource Management in Healthcare Facilities	3
HA 5356	Policy Development in Healthcare Arena	3
HA 5362	Healthcare Organizational Behavior/Theory	3
HA 5371	Marketing of Health Services	3
HA 5191	Field Experience Orientation	1
Internship or Practicum		
Choose a minimum of 6 hours from the following:		6
HA 5450	Administrative Field Placement	
HA 5640	Administrative Practicum	

HA 5840	Administrative Field Placement	
HA 5841	Administrative Residency	
Total Hours		49

Comprehensive Examination Requirements

All degree-seeking graduate students must pass a comprehensive exam at the end of the didactic portion of their programs. The School of Health Administration administers comprehensive exams at the end of the fall and spring terms. Students with field placements on their degree audits must pass the comprehensive exam before they begin their field placement. Students who fail the comprehensive exam may take the exam again the next term it is offered. Two failures will result in dismissal from the program.

Master's level courses in Health Administration: HA

Courses Offered

Health Administration (HA)

HA 5111. Topics in Health Administration.
An in-depth study of a singular topic or a related problem being faced by practicing managers in the rapidly changing healthcare industry. Special emphasis will be placed on the topic's current relevance and its utilitarian value to the participant. May be repeated if topic differs.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5191. Field Experience Orientation.
This course will assist the student to prepare for the field experience and to prepare for the comprehensive exam. An extensive orientation to the field experience will be provided to better enable students to move from the classroom setting to a workplace scenario.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5211. Topics in Health Administration.
An in-depth study of a narrow range of topics or related problems being faced by practicing managers in the rapidly changing healthcare industry. Special emphasis will be placed on the topic's relevance and its utilitarian value to the participant. Maybe repeated if topic differs.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5300. Healthcare Organization and Delivery.
A survey of the organization and delivery of health services focusing on the history and development of health systems as they relate to the overall health and medical care systems. Major attention is given to governing bodies, patient care organizations, and executive management structures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5301. Healthcare Administration Research Methods.
A study of research methodology as it pertains to healthcare administration. Included are hypothesis forming, designing research, and the collection, manipulation and analysis of data. Knowledge of numeracy and statistics is essential.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5303. Information Systems Management in Healthcare.
This course provides a comprehensive introduction to information systems management for healthcare organizations. It covers the determination of information required by whom, design of information flows, procurement of information systems technology resources, assurance of information security, and management of systems integration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5304. Healthcare Economics and Financial Theory.
A study of economic theories that have an impact on the healthcare industry. Special emphasis will be placed on emerging economic research and its impact on potential policy ramifications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5311. Trends in Health Administration.
An in-depth study of singular trend or a related problem being faced by practicing managers in the rapidly changing healthcare industry. Special emphasis will be placed on the topic's current relevance and its utilitarian value to the participant. Examples of trends, which are typically offered, include trends in rural health, managed care ethical issues, and in total quality management. This course may be repeated for credit with a different subject area.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5316. Healthcare Financial Management.
An introduction to healthcare financial management including the financial management in healthcare organizations, healthcare payment systems, financing and investment decisions, and financial planning, analysis, and control. Prerequisites: accounting, economics, and statistics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5321. Healthcare Law.
An in-depth analysis of healthcare law and its effect on the relationships between the patient, the patient's family, the provider, and other interested third parties. Analysis of cases is the primary method of study.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5325. Health Care Quality Improvement Concepts and Tools.
This course teaches the concepts of quality in health care and the use of quality improvement tools. Quality management will be explored using Lean Six Sigma continuous process improvement methodologies. This course is intended to help students learn and translate health care quality management theory, concepts, and knowledge into practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5334. Operational Decision Making for Healthcare Managers.
An introduction to the fundamentals of selected operations research techniques essential to the analysis of healthcare managerial problem situations, the design of new and improved systems, and the implementation of systems to achieve desired systems performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5335. Public Health for Healthcare Administrators.
This course introduces the healthcare manager to public health and its role in preventing illnesses and improving the health of the community. Students will learn of the role of the manager in disease prevention and how to participate and lead community efforts for the wellness of the community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5346. Healthcare Strategic Management.
This capstone course examines mission, vision, strategy, and operations from both the formulation and implementation perspectives. Emphasis will be on the role of the manager/leader in strategic management analysis, creativity, and action. This course is available to HA majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5355. Human Resource Management in Healthcare Facilities.
A study of personnel administration in the healthcare facility and the environment in which it functions. Emphasis will be on the role of the Personnel Office in forecasting, developing, and managing human resources, in addition to a review of current legislation affecting the personnel function.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5356. Policy Development in Healthcare Arena.
Prospective healthcare administrators analyze changing healthcare paradigm to determine decision-points where policies can be affected. Course allows students to apply existing skills to real world policy issues at state and national levels and to analyze policy development from numerous stakeholders' viewpoints.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5362. Healthcare Organizational Behavior/Theory.
This course is a study of theory and concepts drawn from the behavioral and social sciences. These concepts are applied as a foundation and conceptual framework for the analysis, diagnosis, prediction and guidance of human behavior in healthcare organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5371. Marketing of Health Services.
A study of marketing functions and principles as they relate to the healthcare delivery system. Analysis of marketing concepts such as market segmentation, marketing planning, marketing audit, marketing positioning, and marketing mix will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5375. Healthcare Accounting.
An introduction to financial accounting in healthcare with an emphasis on the preparation of non-profit financial statements for healthcare service organizations, control procedures for healthcare entities, and accounting issues unique to the healthcare industry. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

HA 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis, HA 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5450. Administrative Field Placement.
A one-semester, full-time field experience which allows students to apply their foundational didactic education by means of rotations, experiences, and projects in a healthcare organization. This course is graded on a credit (CR), no-credit (F) basis. Prerequisite: Instructor approval.
4 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

HA 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5640. Administrative Practicum.
A one-semester, part-time field experience designed for the student already working full-time in healthcare. The practicum provides a broader orientation to the student's organization and exposure to special projects.
6 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5840. Administrative Field Placement.
A one-semester, full-time field experience designed for the student with no prior healthcare work experience. The field placement provides a full orientation to the organization and exposure to special projects.
8 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5841. Administrative Residency.
A full-time field experience, which provides an extensive rotation and special projects. Designed for the student with no prior work experience in healthcare. Student must be enrolled in the course for the duration of the field experience. Repeatable for credit.
8 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Healthcare Administration (M.H.A) Major in Healthcare Administration (Thesis Option)

Major Program

The Master of Healthcare Administration (M.H.A.) degree with a major in Healthcare Administration offers courses designed to enhance the career mobility of persons currently employed in health professions as well as to provide a solid base of academic and directed experiences for persons who may desire entry into the field of health administration. The primary focus of the curriculum is middle-to senior-level management.

Principal areas of study include health and disease; sociological, economic, legal, and political forces which affect health care; and management organizational behaviors including such specializations as financial management, human resource management, planning, marketing, and data generation and analysis.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application and additional HAMPCAS application
- separate HAMPCAS application fee

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 575 on the admissions index*
- background course work in statistics, economics, and financial accounting (to be completed before the start of the program)
- official GRE (general test only) with competitive scores*
  - The GRE may be waived if you hold a master's or doctoral degree from a regionally accredited U.S. institution. If you hold a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- interview with the graduate advisor assessing the student's commitment to completing the program
- resume/CV
- statement of purpose indicating the student's ability and interest in completing the degree program in healthcare administration
- three letters of recommendation from professionals or academics competent to assess the student's interest in pursuing a career in healthcare administration

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

The student's admissions index is calculated using the following formula:

(last-60-hours GPA x 100) + GRE verbal section scores + GRE quantitative section scores

A minimum of 575 on the admissions index is required.

Degree Requirements

The Master of Healthcare Administration (M.H.A.) degree with a major in Healthcare Administration requires 49 semester credit hours, including a thesis.

Prerequisites

Course prerequisites for healthcare administration majors include the following: statistics, economics, and financial accounting. These prerequisites may be accepted from other universities and should be taken prior to entering the graduate program.

Course Requirements

Code	Title	Hours
Required Courses		
HA 5300	Healthcare Organization and Delivery	3
HA 5301	Healthcare Administration Research Methods	3
HA 5303	Information Systems Management in Healthcare	3
HA 5304	Healthcare Economics and Financial Theory	3
HA 5316	Healthcare Financial Management	3
HA 5321	Healthcare Law	3
HA 5325	Health Care Quality Improvement Concepts and Tools	3

HA 5334	Operational Decision Making for Healthcare Managers	3
HA 5335	Public Health for Healthcare Administrators	3
HA 5346	Healthcare Strategic Management	3
HA 5355	Human Resource Management in Healthcare Facilities	3
HA 5356	Policy Development in Healthcare Arena	3
HA 5362	Healthcare Organizational Behavior/Theory	3
HA 5371	Marketing of Health Services	3
HA 5191	Field Experience Orientation	1
Thesis		
HA 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
HA 5199B	Thesis	
HA 5299B	Thesis	
HA 5399B	Thesis	
HA 5599B	Thesis	
HA 5999B	Thesis	
Total Hours		49

Comprehensive Examination Requirements

All degree-seeking graduate students must pass a comprehensive exam at the end of the didactic portion of their programs. The School of Health Administration administers comprehensive exams at the end of the fall and spring terms. Students with field placements on their degree audits must pass the comprehensive exam before they begin their field placement. Students who fail the comprehensive exam may take the exam again the next term it is offered. Two failures will result in dismissal from the program.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.

2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Health Administration: HA

Courses Offered

Health Administration (HA)

HA 5111. Topics in Health Administration.
An in-depth study of a singular topic or a related problem being faced by practicing managers in the rapidly changing healthcare industry. Special emphasis will be placed on the topic's current relevance and its utilitarian value to the participant. May be repeated if topic differs.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5191. Field Experience Orientation.
This course will assist the student to prepare for the field experience and to prepare for the comprehensive exam. An extensive orientation to the field experience will be provided to better enable students to move from the classroom setting to a workplace scenario.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5211. Topics in Health Administration.
An in-depth study of a narrow range of topics or related problems being faced by practicing managers in the rapidly changing healthcare industry. Special emphasis will be placed on the topic's relevance and its utilitarian value to the participant. Maybe repeated if topic differs.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5300. Healthcare Organization and Delivery.
A survey of the organization and delivery of health services focusing on the history and development of health systems as they relate to the overall health and medical care systems. Major attention is given to governing bodies, patient care organizations, and executive management structures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5301. Healthcare Administration Research Methods.
A study of research methodology as it pertains to healthcare administration. Included are hypothesis forming, designing research, and the collection, manipulation and analysis of data. Knowledge of numeracy and statistics is essential.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5303. Information Systems Management in Healthcare.
This course provides a comprehensive introduction to information systems management for healthcare organizations. It covers the determination of information required by whom, design of information flows, procurement of information systems technology resources, assurance of information security, and management of systems integration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5304. Healthcare Economics and Financial Theory.
A study of economic theories that have an impact on the healthcare industry. Special emphasis will be placed on emerging economic research and its impact on potential policy ramifications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5311. Trends in Health Administration.
An in-depth study of singular trend or a related problem being faced by practicing managers in the rapidly changing healthcare industry. Special emphasis will be placed on the topic's current relevance and its utilitarian value to the participant. Examples of trends, which are typically offered, include trends in rural health, managed care ethical issues, and in total quality management. This course may be repeated for credit with a different subject area.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5316. Healthcare Financial Management.
An introduction to healthcare financial management including the financial management in healthcare organizations, healthcare payment systems, financing and investment decisions, and financial planning, analysis, and control. Prerequisites: accounting, economics, and statistics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5321. Healthcare Law.
An in-depth analysis of healthcare law and its effect on the relationships between the patient, the patient's family, the provider, and other interested third parties. Analysis of cases is the primary method of study.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5325. Health Care Quality Improvement Concepts and Tools.
This course teaches the concepts of quality in health care and the use of quality improvement tools. Quality management will be explored using Lean Six Sigma continuous process improvement methodologies. This course is intended to help students learn and translate health care quality management theory, concepts, and knowledge into practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5334. Operational Decision Making for Healthcare Managers.
An introduction to the fundamentals of selected operations research techniques essential to the analysis of healthcare managerial problem situations, the design of new and improved systems, and the implementation of systems to achieve desired systems performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5335. Public Health for Healthcare Administrators.
This course introduces the healthcare manager to public health and its role in preventing illnesses and improving the health of the community. Students will learn of the role of the manager in disease prevention and how to participate and lead community efforts for the wellness of the community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5346. Healthcare Strategic Management.
This capstone course examines mission, vision, strategy, and operations from both the formulation and implementation perspectives. Emphasis will be on the role of the manager/leader in strategic management analysis, creativity, and action. This course is available to HA majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5355. Human Resource Management in Healthcare Facilities.
A study of personnel administration in the healthcare facility and the environment in which it functions. Emphasis will be on the role of the Personnel Office in forecasting, developing, and managing human resources, in addition to a review of current legislation affecting the personnel function.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5356. Policy Development in Healthcare Arena.
Prospective healthcare administrators analyze changing healthcare paradigm to determine decision-points where policies can be affected. Course allows students to apply existing skills to real world policy issues at state and national levels and to analyze policy development from numerous stakeholders' viewpoints.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5362. Healthcare Organizational Behavior/Theory.
This course is a study of theory and concepts drawn from the behavioral and social sciences. These concepts are applied as a foundation and conceptual framework for the analysis, diagnosis, prediction and guidance of human behavior in healthcare organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5371. Marketing of Health Services.
A study of marketing functions and principles as they relate to the healthcare delivery system. Analysis of marketing concepts such as market segmentation, marketing planning, marketing audit, marketing positioning, and marketing mix will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5375. Healthcare Accounting.
An introduction to financial accounting in healthcare with an emphasis on the preparation of non-profit financial statements for healthcare service organizations, control procedures for healthcare entities, and accounting issues unique to the healthcare industry. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

HA 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis, HA 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5450. Administrative Field Placement.
A one-semester, full-time field experience which allows students to apply their foundational didactic education by means of rotations, experiences, and projects in a healthcare organization. This course is graded on a credit (CR), no-credit (F) basis. Prerequisite: Instructor approval.
4 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

HA 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5640. Administrative Practicum.
A one-semester, part-time field experience designed for the student already working full-time in healthcare. The practicum provides a broader orientation to the student's organization and exposure to special projects.
6 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5840. Administrative Field Placement.
A one-semester, full-time field experience designed for the student with no prior healthcare work experience. The field placement provides a full orientation to the organization and exposure to special projects.
8 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5841. Administrative Residency.
A full-time field experience, which provides an extensive rotation and special projects. Designed for the student with no prior work experience in healthcare. Student must be enrolled in the course for the duration of the field experience. Repeatable for credit.
8 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Minor in Healthcare Administration

The graduate minor in Healthcare Administration requires 9-15 semester credit hours.

Code	Title	Hours
Required Courses		
HA 5300	Healthcare Organization and Delivery	3
HA 5321	Healthcare Law	3
HA 5362	Healthcare Organizational Behavior/Theory	3
Electives		
Choose 6 hours of advisor-approved courses		6
Total Hours		15

For those majors not requiring a 15-hour minor, a 9-hour cognate is available.

Code	Title	Hours
Required Courses		
HA 5300	Healthcare Organization and Delivery	3
HA 5321	Healthcare Law	3
HA 5362	Healthcare Organizational Behavior/Theory	3
Total Hours		9

Certificate in Long Term Care Administration

Program Overview

The graduate certificate in Long Term Care Administration is designed to offer the course work necessary to sit for the Texas licensing exam for nursing facility administrators. The School of Health Administrators also offers an optional field placement. Note: all questions regarding licensure and state exam requirements should be directed to the Texas Department of Aging and Disability Services (DADS) at 512.438.2015.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $20 nonrefundable application fee

  or

- $60 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.5 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in all completed graduate course work (if applicable)
- GRE not required

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

The graduate certificate in Long Term Care Administration requires 15 semester credit hours.

Course Requirements

Code	Title	Hours
LTCA 5322	Environmental Management in Long Term Care	3
LTCA 5323	Governance Management in Long Term Care	3
LTCA 5324	Personnel Management in Long Term Care	3

LTCA 5325	Resident Care Management in Long Term Care	3
LTCA 5335	Financial Management in Long Term Care	3
Total Hours		15

In addition to the completion of certificate course work, a minimum of 1,000 internship hours are required to become a Texas licensed nursing facility administrator. Enrollment in LTCA 5681 may be required.

Department of Health Information Management

Encino Hall Room 310B
T: 512-245-8242 F: 512-245-8258
http://www.health.txstate.edu/HIM

The mission of the Department of Health Information Management (HIM) at Texas State is to educate and prepare professionals with knowledge needed to ensure accessibility, accuracy, availability, integrity, and security of patient health information.

The vision of the Department of Health Information Management is to be recognized internationally as a quality producer of health information management professionals equipped with the attitudes and principles that encourage lifelong learning and ethical behavior in a rapidly evolving profession.

Health information management improves the quality of health care by ensuring that the best information is available to make any healthcare decision. HIM professionals manage healthcare data and information resources. The profession encompasses services in planning, collecting, aggregating, analyzing, and disseminating individual patient and aggregate clinical data. It serves the healthcare industry including: patient care organizations, payers, research and policy agencies, and other healthcare related industries.

Projected by the Bureau of Labor Statistics to be one of the 15 fastest growing occupations in the United States, HIM is an excellent career choice for the person who is seeking a healthcare profession that combines interest in computer sciences, business, management, legal procedures, and healthcare research. HIM professionals play a key role in making the healthcare system work. They perform the data collection and analysis that doctors, nurses, and other healthcare professionals need to provide quality patient care.

HIM graduates work in a broad range of settings that span the continuum of healthcare, including office-based physician practices, nursing homes, home health agencies, mental health facilities, and public health agencies. The growth of managed care has created additional job opportunities in HMOs, PPOs, and insurance companies.

The program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education. Upon completion of the degree, graduates of the program are eligible to sit for the RHIA (Registered Health Information Administrator) examination offered by the American Health Information Management Association.

Immunization Requirements

It is the policy of the College of Health Professions that each student must provide a health report completed by a physician or licensed healthcare provider and must take specific immunizations before the student can be placed in a clinical or internship assignment. Information on these requirements and the required forms may be obtained through the department office.

Background Check and Drug Screening

As a condition for placement in professional practice sites, students may be required to have a background check and/or drug screening and/or meet other specific requirements as set by individual sites. Information on these requirements may be obtained from the department.

Master of Health Information Management (M.H.I.M.)

- Major in Health Information Management (Non-thesis Option) (p. 1923)
- Major in Health Information Management (Thesis Option) (p. 1926)

Master of Health Information Management (M.H.I.M.) Major in Health Information Management (Non-thesis Option)

Major Program

The Major in Health Information Management (M.H.I.M.) offers current and emerging content about the evolving health information management field with the expanding reliance on patient data. The educational objectives of the program are:

- to prepare students for the emerging roles and functions withing the health information management domain,
- to provide graduate level education that will prepare students to develop problem solving skills with the ability to analyze and evaluate systems, technology, regulations, data needs to assist in creating new methods, and in policy development,
- to provide a broad-based program of coursework that supports the varied aspects of HIM practice focusing on health data management, data analytics, health information technology project management, and compliance with regulations including privacy of patient information,
- to establish a framework for professional behavior and ethical principles to be used to guide decision-making and actions in the expanding role of health information management professionals, and
- to conduct research that will illustrate and define the health information body of knowledge.

The curriculum will help prepare leaders in the areas of information technology, data stewardship, Health Information Exchange information governance, clinical documentation integrity, project management, and quality data analytics.

Online Information

This program is taught exclusively online. For students residing outside of Texas and not planning on relocating to the state, please visit http://www.distancelearning.txstate.edu/ before applying.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic

year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in pathophysiology and pharmacology; medical terminology; anatomy and physiology; statistics; and introduction to micro computer applications (to be completed before starting the program)
- GRE not required
- interview with the graduate advisor assessing the student's commitment to completing the program
- resume/CV
- statement of purpose indicating the student's ability and interest in completing the degree program
- three letters of recommendation from professionals or academics competent to assess the student's interest in pursuing a career or advancing in the field of study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Health Information Management (M.H.I.M.) degree with a major in Health Information Management requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
HIM 5311	Informatics, Analytics and Data Use	3
HIM 5320	Research Methods for HIM	3
HIM 5342	Information Systems and Technology	3
HIM 5351	Data Security, Privacy, and Confidentiality	3
HIM 5363	Health Data Content Structure and Standards	3
HIM 5370	Healthcare Finance and Revenue Cycle Management	3
HIM 5380	Quality Improvement in Health Care	3
HIM 5382	Compliance for HIM Topics	3
HIM 5390	Contemporary Leadership Principles for HIM.	3
HIM 5397	HIM Directed Practicum	3
Electives		
Choose 6 hours from the following:		6
HIM 5340	Healthcare Informatics	
HIM 5341	Healthcare Terminologies and Vocabularies	
HIM 5301	The Enterprise Electronic Health Record	
HA 5300	Healthcare Organization and Delivery	
HA 5334	Operational Decision Making for Healthcare Managers	
HA 5335	Public Health for Healthcare Administrators	
HA 5355	Human Resource Management in Healthcare Facilities	
HA 5356	Policy Development in Healthcare Arena	
CIS 5355	Database Management Systems	
CIS 5358	Agile Project Management For Business Professionals	
CIS 5364	Data Warehousing	
CIS 5368	Information Security	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Health Information Management: HIM

Courses Offered

Health Information Management (HIM)

HIM 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

HIM 5300. Advanced Independent Study in Health Information Management.
This course provides an in-depth independent study of a singular problem or related problem in the rapidly changing field of health information management. Special emphasis will be placed on the problem's current relevance and the value to the participant. May be repeated for credit with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5301. The Enterprise Electronic Health Record.
This course provides an in-depth analysis of the concept of an organization-wide electronic health record system. A major focus will be on the analysis of how this technology impacts overall hospital operations from both a clinical and administrative perspective. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5311. Informatics, Analytics and Data Use.
This course provides an introduction to the fundamental concepts of data analytics and decision support. A major focus will be quality-driven data-based decision making systems for business intelligence, consumer informatics and health information exchanges. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5320. Research Methods for HIM.
This course provides an introduction to research study design, methods, descriptive and inferential statisitcs need to conduct research studies in the Health Information Management domains. The foundation for compiling, analyzing, and displaying healthcare statistics needed to report and monitor healthcare statistics in the workplace will also be covered. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5340. Healthcare Informatics.
This course provides an overview and introduction to healthcare informatics. Topics in the course will include the information infrastructure, data needs, implementing healthcare information systems, decision making, privacy and security, consumer informatics and emerging technologies. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5341. Healthcare Terminologies and Vocabularies.
This course will provide an overview of healthcare terminologies, code sets and classification schemes, and associated standards. Mapping and the relationship of SNOMED to an administrative classification system such as ICD-9-CM will be explored. The purpose and differences encountered in mapping a terminology to a classification will be examined. Department approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5342. Information Systems and Technology.
This course provides an introduction to the fundamental concepts of health information technologies and information management strategic planning. A major focus will be design and selection of data-driven systems that offer strategic advantages, facilitate compliance and provide a return on investment. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5351. Data Security, Privacy, and Confidentiality.
This course provides a detailed assessment of how state laws and federal regulations influence the development and management of policies and technology to protect date security, privacy, and confidentiality of protected health information. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5363. Health Data Content Structure and Standards.
This course provides an in-depth study of the components and use of health records. Interoperability and healthcare informatics standards for collecting, maintaining and transferring healthcare data will be examined. The role of the HIM professional in developing an effective information governance program will be analyzed. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5370. Healthcare Finance and Revenue Cycle Management.
This course will focus on healthcare financial and revenue cycle/reimbursement management issues that impact the practice of Health Information Management. Specific topics covered include financial management, coding compliance, case mix index, revenue cycle, and reimbursement methods. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5380. Quality Improvement in Health Care.
This course provides an in-depth study on quality improvement methodology to include data retrieval, display, outcomes analysis and the aspect of risk management for various sectors of healthcare. Mechanisms for promoting facility-wide participation in achieving optimum patient care as delineated in accreditation and government standards will be analyzed. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5382. Compliance for HIM Topics.
Compliance activities and methods will be covered for HIM topics to include HIPAA, fraud and abuse, coding auditing, severity of illness, data analytics, fraud surveillance, and clinical documentation improvement. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5390. Contemporary Leadership Principles for HIM..
This course explores the expanded role of the Health Information Management professional in the healthcare environment. Topics include public policy development, executive decision making, strategic business alliances, change management, enterprise wide strategic planning, stakeholder engagement, training and development, information governance, cultural diversity and ethics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5397. HIM Directed Practicum.
This course provides a one semester, part-time practicum experience in a healthcare or related organization. Included is an orientation to the organization and completion of a project suitable for implementation at the site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIM 5399A. Thesis.
This course represents a student's initial thesis enrollment to initiate the thesis project. No thesis credit is awarded until completion of HIM 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIM 5399B. Thesis.
This course is a student's continued enrollment in the thesis. The student continues to enroll in this course until the thesis is submitted for binding. This course is repeatable for credit until the thesis is completed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Health Information Management (M.H.I.M) Major in Health Information Management (Thesis Option)

Major Program

The Major in Health Information Management (M.H.I.M.) offers current and emerging content about the evolving health information management field with the expanding reliance on patient data. The educational objectives of the program are:

- to prepare students for the emerging roles and functions withing the health information management domain,
- to provide graduate level education that will prepare students to develop problem solving skills with the ability to analyze and evaluate systems, technology, regulations, data needs to assist in creating new methods, and in policy development,
- to provide a broad-based program of coursework that supports the varied aspects of HIM practice focusing on health data management, data analytics, health information technology project management, and compliance with regulations including privacy of patient information,
- to establish a framework for professional behavior and ethical principles to be used to guide decision-making and actions in the expanding role of health information management professionals, and
- to conduct research that will illustrate and define the health information body of knowledge.

The curriculum will help prepare leaders in the areas of information technology, data stewardship, Health Information Exchange information governance, clinical documentation integrity, project management, and quality data analytics.

Online Information

This program is taught exclusively online. For students residing outside of Texas and not planning on relocating to the state, please visit http://www.distancelearning.txstate.edu/ before applying.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in pathophysiology and phamacology; medical terminology; anatomy and physiology, statistics; and introduction to micro computer applications (to be completed before starting the program)
- GRE not required
- interview with the graduate advisor assessing the student's commitment to completing the program
- resume/CV
- statement of purpose indicating the student's ability and interest in completing the degree program
- three letters of recommendation from professionals or academics competent to assess the student's interest in pursuing a career or advancing in the field of study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Health Information Management (M.H.I.M.) degree with a major in Health Information Management requires 36 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
HIM 5311	Informatics, Analytics and Data Use	3
HIM 5320	Research Methods for HIM	3
HIM 5342	Information Systems and Technology	3
HIM 5351	Data Security, Privacy, and Confidentiality	3
HIM 5363	Health Data Content Structure and Standards	3
HIM 5370	Healthcare Finance and Revenue Cycle Management	3
HIM 5380	Quality Improvement in Health Care	3
HIM 5382	Compliance for HIM Topics	3
HIM 5390	Contemporary Leadership Principles for HIM.	3
HIM 5397	HIM Directed Practicum	3
Thesis		
HIM 5399A	Thesis	3
Choose a minimum 3 hours from the following:		3
HIM 5199B	Thesis	
HIM 5399B	Thesis	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Health Information Management: HIM

Courses Offered

Health Information Management (HIM)

HIM 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

HIM 5300. Advanced Independent Study in Health Information Management.
This course provides an in-depth independent study of a singular problem or related problem in the rapidly changing field of health information management. Special emphasis will be placed on the problem's current relevance and the value to the participant. May be repeated for credit with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5301. The Enterprise Electronic Health Record.
This course provides an in-depth analysis of the concept of an organization-wide electronic health record system. A major focus will be on the analysis of how this technology impacts overall hospital operations from both a clinical and administrative perspective. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5311. Informatics, Analytics and Data Use.
This course provides an introduction to the fundamental concepts of data analytics and decision support. A major focus will be quality-driven data-based decision making systems for business intelligence, consumer informatics and health information exchanges. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5320. Research Methods for HIM.
This course provides an introduction to research study design, methods, descriptive and inferential statisitcs need to conduct research studies in the Health Information Management domains. The foundation for compiling, analyzing, and displaying healthcare statistics needed to report and monitor healthcare statistics in the workplace will also be covered. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5340. Healthcare Informatics.
This course provides an overview and introduction to healthcare informatics. Topics in the course will include the information infrastructure, data needs, implementing healthcare information systems, decision making, privacy and security, consumer informatics and emerging technologies. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5341. Healthcare Terminologies and Vocabularies.
This course will provide an overview of healthcare terminologies, code sets and classification schemes, and associated standards. Mapping and the relationship of SNOMED to an administrative classification system such as ICD-9-CM will be explored. The purpose and differences encountered in mapping a terminology to a classification will be examined. Department approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5342. Information Systems and Technology.
This course provides an introduction to the fundamental concepts of health information technologies and information management strategic planning. A major focus will be design and selection of data-driven systems that offer strategic advantages, facilitate compliance and provide a return on investment. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5351. Data Security, Privacy, and Confidentiality.
This course provides a detailed assessment of how state laws and federal regulations influence the development and management of policies and technology to protect date security, privacy, and confidentiality of protected health information. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5363. Health Data Content Structure and Standards.
This course provides an in-depth study of the components and use of health records. Interoperability and healthcare informatics standards for collecting, maintaining and transferring healthcare data will be examined. The role of the HIM professional in developing an effective information governance program will be analyzed. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5370. Healthcare Finance and Revenue Cycle Management.
This course will focus on healthcare financial and revenue cycle/ reimbursement management issues that impact the practice of Health Information Management. Specific topics covered include financial management, coding compliance, case mix index, revenue cycle, and reimbursement methods. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5380. Quality Improvement in Health Care.
This course provides an in-depth study on quality improvement methodology to include data retrieval, display, outcomes analysis and the aspect of risk management for various sectors of healthcare. Mechanisms for promoting facility-wide participation in achieving optimum patient care as delineated in accreditation and government standards will be analyzed. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5382. Compliance for HIM Topics.
Compliance activities and methods will be covered for HIM topics to include HIPAA, fraud and abuse, coding auditing, severity of illness, data analytics, fraud surveillance, and clinical documentation improvement. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5390. Contemporary Leadership Principles for HIM..
This course explores the expanded role of the Health Information Management professional in the healthcare environment. Topics include public policy development, executive decision making, strategic business alliances, change management, enterprise wide strategic planning, stakeholder engagement, training and development, information governance, cultural diversity and ethics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5397. HIM Directed Practicum.
This course provides a one semester, part-time practicum experience in a healthcare or related organization. Included is an orientation to the organization and completion of a project suitable for implementation at the site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIM 5399A. Thesis.
This course represents a student's initial thesis enrollment to initiate the thesis project. No thesis credit is awarded until completion of HIM 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIM 5399B. Thesis.
This course is a student's continued enrollment in the thesis. The student continues to enroll in this course until the thesis is submitted for binding. This course is repeatable for credit until the thesis is completed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

St. David's School of Nursing

Nursing Building
Round Rock Campus

100 Bobcat Way
Round Rock, TX
T: 512.716.2900 F: 512.716.2911
http://www.nursing.txstate.edu/

Vision

The St. David's School of Nursing at Texas State University will provide supportive and creative educational programs, which inspire those who teach and those who learn, based on mutual respect and a commitment to contribute to the health of individuals, families, populations, communities, and the environment worldwide.

Mission

St. David's School of Nursing educates and prepares graduates, using innovative teaching strategies and state-of-the-art technology. Graduates provide ethical, safe, and effective patient-centered care and contribute to present and emerging research and health management practices. Graduates demonstrate competence in clinical judgment, collaborate as members of the interprofessional healthcare team, and utilize scientifically-based interventions. As caring professional nurses, graduates manage illness; promote, maintain, and restore health; and provide end-of-life care for diverse individuals, families, populations, and communities across the lifespan.

The Graduate College offer's three master's level nursing programs: Master of Science in Nursing Family Nurse Practitioner (MSN-FNP),Master of Science in Psychiatric Mental Health Nurse Practitioner (MSN-PMHNP), and Master of Science in Nursing Leadership and Administration (MSN-LAN). Courses at the MSN level are delivered in a hybrid format, with didactic hours taught online and oversight of clinical hours by preceptors/mentors at the clinical site. Face-to-face time is required for the purposes of assessment and reinforcement of concepts over the course of program. Graduates of the programs are prepared to pursue clinical excellence and certifications by the specialty certifying bodies. The MSN-FNP and MSN-PMHNP graduates are eligible for licensure as an Advance Practice Registered Nurse upon completion of the program and passing of a national certification exam. The FNP graduates can sit for one of the two credentialing exams (i.e., the American Nurse Credentialing Center (ANCC) or the American Association of Nurse Practitioners (AANP)). There is only one national certification exam available for the PMHNP graduates through the ANCC. The MSN-LAN graduates may apply for certification as Nurse Executive through ANCC or the American Organization of Nurse Executives (AONE). The graduate program is accredited by the Commission on Collegiate Nursing Education.

Academic Progression

Students enrolled in the MSN program are required to maintain a grade of at least a "B" [3.0 grade point average GPA] in all courses in the nursing curriculum. MSN courses are offered only once each academic year; therefore, progress in the program may be delayed if the student fails a course. A student may repeat a nursing course only once. Following a second failure or withdrawal from a nursing course, the student is dismissed from the graduate nursing program.

Graduation

To graduate with a Master of Science in Nursing, a student must successfully complete all nursing courses with a "B" or better. Graduating students must have attained a 3.0 or higher Texas State University GPA.

Immunization and Basic Life Support

It is a policy of the College of Health Professions that each student must complete a Health Certificate and Immunization Test Form. These forms must be signed by a physician or licensed healthcare provider. Students must stay current on immunizations and Basic Life Support for Healthcare Professionals.

Criminal Background Check and Drug Screen

MSN students will undergo a criminal background check as well as a drug screen prior to admission. A valid social security number is required by the St. David's School of Nursing's clinical partners for the background check administered through a third-party vendor. All graduate nursing students are subject to random or for cause drug screens.

Master of Science in Nursing (M.S.N.)

- Major in Family Nurse Practitioner (p. 1930)
- Major in Leadership and Administration in Nursing (p. 1935)
- Major in Psychiatric Mental Health Nurse Practitioner (p. 1940)

Master of Science in Nursing (M.S.N.) Major in Family Nurse Practitioner

Major Program

The Master of Science in Nursing (M.S.N.) degree with a major in Family Nurse Practitioner is a 21-month (5-term) program in which registered nurses (RNs) with a bachelor of science in nursing (B.S.N.) degree will advance their skills to the entry level for certification as a Nurse Practitioner (NP), one of the four advanced practice nursing roles. Instruction will be in a hybrid format with twice per term meetings at the School of Nursing in Round Rock, to assure that advanced level competencies have been met. The program will teach the NP to treat the whole family; however, that family chooses to identify itself. As a result, graduates will be prepared to treat diverse populations, with knowledge to promote health and to assess patients of all ages. Beyond focusing on the family as a population, the program will emphasize the primary care environment and recruit nurses interested in practicing in rural areas, to mitigate the burgeoning shortage of primary care providers both rurally and overall. In addition to achieving certification as a Family Nurse Practitioner (FNP), graduates of the program will have developed competence in the theory and techniques of integrative health.

In addition to meeting all relevant professional competencies, M.S.N. graduates will be qualified to sit for one or more of the following certification exams:

- American Nurses Credentialing Center (ANCC) Certification Exam (FNP)
- American Academy of Nurse Practitioners (AANP) Certification Exam (FNP)

Nursing Program Student Educational Outcomes

At the completion of the M.S.N. Family Nurse Practitioner program, a graduate of the St. David's School of Nursing will be able to:

- integrate nursing and related sciences into the delivery of advanced nursing care to diverse populations,
- incorporate current and emerging genetic/genomic evidence as well as biopsycho-ecological paradigms in providing advanced nursing care to individuals, families, and communities while accounting for patient values and clinical judgment,
- design nursing care for a clinical or community-focused population based on biopsychosocial, public health, nursing, and organizational sciences,
- evaluate the nutritional, vitamin, supplemental, herbal interventions in individuals, groups, and communities,
- apply ethical analysis and clinical reasoning to assess, intervene, and evaluate advanced nursing care delivery,
- synthesize evidence for practice to determine appropriate application of interventions across diverse populations,
- use quality processes and improvement science to evaluate care and ensure patient safety for individuals and communities,
- integrate organizational science and informatics to make changes in the care environment to improve health outcomes,
- analyze nursing history to expand thinking and provide a sense of professional heritage and identity, and
- synthesize integrative practices based on biopsychoneurological scientific underpinnings, cognitive neuroscience, and psychoneuroimmunology.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- effective spring 2020, completed online NursingCAS application
- effective spring 2020, separate NursingCAS application fee

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials

- bachelor of science in nursing (B.S.N.) degree from a regionally accredited institution and from a nursing program accredited by the National League for Nursing Accrediting Commission (NLNAC), Commission on Collegiate Nursing Education (CCNE) or other nationally-recognized nursing education accrediting body. The student's B.S.N. degree must be reflected on the transcript at the time of application.
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA on a 4.0 scale in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA on a 4.0 scale in nursing course work
- grade of C or better in a statistics course
- GRE not required
- current, valid unencumbered R.N. license or multi-state privilege to practice as a registered nurse in the state(s) in which the student will complete clinical courses
- responses to specific essay questions
- resume/CV reflecting a minimum of one year of experience as an R.N. Students must have the equivalent of one year's experience as a R.N. prior to the application deadline for this program.
- three letters of recommendation from professionals competent to assess the student's academic capability and interest in pursuing a career as an F.N.P.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science in Nursing major in Family Nurse Practitioner requires 48 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
Advanced Practice Core		
NURS 5102	Advanced Health Assessment Practicum	1
NURS 5202	Advanced Health Assessment	2
NURS 5301	Advanced Pathophysiology	3
NURS 5303	Advanced Pharmacotherapeutics	3
Theoretical Foundation		
NURS 5106	Fundamentals of Appraisal and Translational Research II	1
NURS 5107	Fundamentals of Appraisal and Translational Research III	1
NURS 5204	Fundamentals of Appraisal and Translational Research I	2
NURS 5205	Health Care Leadership for a Changing World	2
Family Population Skills		
NURS 5141	Reproductive, Sexual and Obstetrical Health Practicum	1
NURS 5310	Adult/Gerontology Primary Care Practicum	3
NURS 5311	Behavioral Health Primary Care	3
NURS 5410	Adult/Gerontology Primary Care	4
NURS 5430	Pediatric & Adolescent Primary Care	4
NURS 5330	Pediatric & Adolescent Primary Care Practicum	3
NURS 5341	Reproductive, Sexual and Obstetrical Health	3
Integrative Nursing Specialty		
NURS 5208	Current Issues in Advanced Practice Nursing	2
NURS 5350	Integrative Family Primary Care Practicum	3
NURS 5351	Theoretical Foundations of Advanced Integrative Nursing	3
NURS 5450	Integrative Family Primary Care	4
Total Hours		48

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Nursing: NURS

Courses Offered

Nursing (NURS)

NURS 5102. Advanced Health Assessment Practicum.
This course emphasizes advanced health assessment techniques and skills common to patient evaluation and development of differential diagnoses. Advanced physical assessment skills and identifying common signs and symptoms related to physical examination will be developed. Restricted to MSN degree students only.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 5106. Fundamentals of Appraisal and Translational Research II.
This course builds upon work begun in the first research course. Emphasis will be placed on writing an evidence-based scholarly paper or project in collaboration with a faculty member. Presentation of the findings and submission of a paper for publication will be required in the final semester. Restricted to MSN degree students only.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5107. Fundamentals of Appraisal and Translational Research III.
This course is a continuation of work begun in previous courses and will result in an evidence-based scholarly paper or project. Presentation of the findings and submission of a paper for publication will be required. This is a culminating project for the entire course of study. Restricted to MSN degree students only.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5141. Reproductive, Sexual and Obstetrical Health Practicum.
Students will integrate research evidence into practice with adolescent and adult patients while working in clinical settings in collaboration with other health care professionals. Students will utilize a systematic approach of assessment to develop advanced practice treatment plans for patients seeking care related to reproduction, sexual and obstetrical health. Restricted to MSN degree students only.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5170. Advanced Health Assessment Mental Health Focused Practicum.
This course emphasizes advanced health assessment techniques and skills common to patient evaluation and the development of differential diagnoses. Advanced physical and mental health assessment skills and the ability to identify common signs and symptoms related to physical and mental health disease processes will be developed.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5176. Models of Psychotherapy.
The course will examine the variety of therapeutic modalities available for the treatment of mental health disorders across the lifespan. Attention will be given to the nurse as psychotherapist and the development of a framework for practice. Integrating psychopharmacology with psychotherapy, and therapy with special populations will be presented.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5177. Models of Psychotherapy Practicum.
This course emphasizes advanced health assessment techniques and skills common to patient evaluation and the development of differential diagnoses. Advanced physical and mental health assessment skills and the ability to identify common signs and symptoms of disease will be developed.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5180. Advanced Health Assessment Applications for PMHNP.
This course emphasizes advanced mental health assessment techniques and skills unique to patient mental health evaluation and the development of differential diagnoses. Advanced physical and mental health assessment skills using standardized instruments and DSM5 guidelines will be developed.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5182. Psychoeducation Theory.
The course will explore approaches to patient education including legal and ethical issues specific to mental health. Educational activities, including teaching, counseling, and behavior modification will be discussed. Examination of techniques specific to mental and behavioral health and the use and impact of technology will be included.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5183. Psychoeducation Practicum.
The course will apply approaches to patient education including legal and ethical issues specific to mental health. Educational activities, including teaching, counseling, and behavior modification, will be implemented. Examination of techniques specific to mental and behavioral health and the use and impact of technology will be included.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5202. Advanced Health Assessment.
This course emphasizes advanced health assessment techniques and skills common to family practice. Advanced skills in laboratory evaluation, taking and assessing patient history, and diagnostic capabilities, which are sensitive to cultural and developmental needs of a variety of patients in diverse settings, will be developed. Restricted to MSN degree students only.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5204. Fundamentals of Appraisal and Translational Research I.
This course focuses on a variety of interest areas, related research and the evaluation of current research trends. There will be critique of research methodologies and outcomes into application within the clinical setting, as well as exploration of technological applications and student data compilations.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5205. Health Care Leadership for a Changing World.
This course explores leadership concepts and complexity of changing healthcare systems for the advanced nursing role. Healthcare economics, innovation, and resource stewardship are examined. Change management and leadership theories guide students to create a leadership philosophy. Rich leadership perspectives and diversity from various professional fields are examined through reflective practice.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5208. Current Issues in Advanced Practice Nursing.
The current professional and legal issues that influence advanced practice nursing, nursing education and the health care delivery system are discussed. Health care policy, changes in the economics of health care, and their impact on nursing are considered.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5273. Neuroscience for Mental Health Practitioners.
This course explores the connection of mind and body and the current neuroscience that supports the linkage between them. The physiology of the brain and nervous system, genetics and epigenetics, and the immune system will be examined. Diagnostic tools and evidence-based treatment modalities will be explored.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5274. Developmental Models of Care Across the Lifespan.
The course will explore the contribution of growth and development on mental illness. Specific attention will be paid to disorders of childhood, adolescence, and aging. Developmental factors associated with mental illness will be examined. Specific attention will be given to anxiety, autism spectrum, bipolar, depression, dementia, and impulse control disorders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5275. Developmental Models of Care Across the Lifespan Practicum.
The course will explore therapeutic mental illness interventions that occur during lifespan growth and development. Specific attention will be given to anxiety, autism spectrum, bipolar, depression, dementia, and impulse control disorders of patients across the lifespan.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5278. Acute and Crisis Models of Care Across the Lifespan.
This course will explore acute and crisis conditions needing immediate intervention and care. The examination of substance abuse, violence, trauma, suicide, and forensics will be undertaken. Special emphasis will be placed on suicide prevention, substance abuse intervention, and domestic violence. Disorders leading to forensic intervention will be discussed.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5279. Acute and Crisis Models of Care Across the Lifespan Practicum.
This course emphasizes mental health assessment techniques and skills for patients experiencing a variety of acute or crisis health issues and the development of differential diagnoses. Advanced physical and mental health assessment skills, identifying symptomology and treatment strategies for suicide prevention, substance abuse, and domestic violence, will be developed.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5281. Psychopharmacology.
This course focuses on the principles of clinical psychopharmacology for diverse populations across the lifespan. Knowledge of pharmacologic categories, indications and contraindications, dosing with special needs groups, adverse effects, and collaborative monitoring of pharmacotherapy and alternative therapies will be developed.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5287. Chronic Mental Health Self-Management Across the Lifespan Practicum.
The course will apply self-management strategies for psychiatric disorders that manifest throughout the lifespan. Chronic disease self-management principles will be applied to a variety of long-term mental illnesses in a clinical setting. A self-management intervention will be developed, implemented and evaluated.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5301. Advanced Pathophysiology.
In preparation for advanced practice, this course will expand understanding of the pathophysiology underlying dysfunctions and interrelatedness of the processes of normal physiology and pathophysiology across the continuum of disease and return to wellness. Applications will be made utilizing lifespan perspectives of the process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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This course provides advanced knowledge in selecting pharmacologic agents and specific drugs, based on acute and chronic health problems in diverse populations. Knowledge of pharmacologic groups, indications and contraindications, dosing with special needs groups, adverse effects, and collaborative monitoring of pharmacotherapy and alternative therapies will be developed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5310. Adult/Gerontology Primary Care Practicum.
This clinical experience encompasses adult through geriatric health care in a variety of clinical settings. Application of the principles for developing a differential diagnosis, clinical decision making, designing interventions for patient care, and treatment in a variety of clinical settings will be performed. Restricted to MSN degree students only.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 5311. Behavioral Health Primary Care.
This course includes family system theories and their application to families. Common behavioral health diagnoses, such as anxiety, depression, and co-existing mental and physical illness, are investigated in relation to the human lifespan. The prevalence and incidence of behavioral health issues are considered in terms of diagnosis and theory. Restricted to MSN degree students only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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NURS 5330. Pediatric & Adolescent Primary Care Practicum.
Students will integrate translational research evidence into practice with adolescent and pediatric patients while working in clinical settings in collaboration with other health care professionals. Students will utilize a developmental approach of assessing the pediatric and adolescent patient to create advanced practice treatment plans. Restricted to MSN degree students only.
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NURS 5341. Reproductive, Sexual and Obstetrical Health.
This course examines issues of fertility and infertility in males and females as well as the diseases related to sexual health. Selected topics in obstetrics, genetics, adolescent sexuality, family planning, cancers, HIV/AIDS, and STI's will be explored. Restricted to MSN degree students only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5350. Integrative Family Primary Care Practicum.
This course develops skills in utilization of holistic assessment, as well as application of the principles for developing a differential diagnosis, clinical decision making, and designing interventions and treatment in a variety of clinical settings. Evaluation of traditional and complementary/alternative methods for supporting health promotion will also be explored. Restricted to MSN degree students only.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 5351. Theoretical Foundations of Advanced Integrative Nursing.
This course includes nursing theories and the interrelatedness to the advanced practice role. Mind and body interconnectedness, allopathic and alternative care models are discussed. The developmental processes between wellness and illness are considered. Restricted to MSN degree students only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5360. Leadership Science: Foundational Thinking Skills, Governance, & Community & Provider Relationships.
This course will emphasize leadership skills in communication, leadership styles and organizational theory. Communication will focus on conflict resolution, presentation skills, and relationship building. Delivery systems, leadership styles, and demand for nursing will be examined. Complexity science, systems theory, and diversity required for organizing health care will be explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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NURS 5361. Leadership Science: Performance and Quality Improvement.
This course will articulate performance improvement activities using evidence-based metrics to align patient outcomes with organizational goals. Methods for using quality metrics and action plans will be emphasized.
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NURS 5362. Leadership Science: Patient Safety, Risk Management, Legal and Regulatory Requirements.
This course will examine areas of risk and liability. Students will develop systems that identify early warning indicators of problems and will explore "just in time" reporting. The concept of sentinel events and root cause analysis will be explored. Accreditation standards, legal regulations, and compliance requirements will be integrated.
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NURS 5363. Leadership Science: Evidence-Based Practice for Nurse Leaders.
The students will explore evidence-based practice (EBP) for nurse leaders. This EBP course will equip nurses with the skills needed to effectively engage in EBP, to serve as EBP champions and mentors, and to lead projects within healthcare facilities.
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NURS 5364. Leadership Science: Health Care Finance and Workforce Planning.
This course will emphasize workforce planning for nursing and the application of general principles of accounting. Twenty hours will be allocated to the development of a department operational and capital budget in collaboration with a nurse director or executive. Negotiation and monitoring of contracts and contract compliance will be explored.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
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NURS 5365. Leadership Art: Ethics, Diversity, and Relationship Building.
This course will explore theories of culture and will include legal regulations that govern diversity. The relationship between medical ethics and corporate compliance will be explored. Methods for creating a trusting environment will be evaluated and the need for relationships with providers and academia will be illustrated.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5366. Leadership Art: Health Policy and Advocacy.
This course will focus on the need for leaders to belong to professional organizations to affect policy and advocacy. Participation in legislative activities will be promoted at the state and national levels. The impact of nurse leaders serving on boards that govern health care activities and organizations will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5367. Leader Within: Professional Accountability, Succession Planning and Reflective Practice I.
This course provides a mentored experience for the synthesis of critical thinking and reflections from didactic work with the practice of nursing leadership. Observational and independent learning activities will result in a Part I of the final capstone project reflecting culmination of program objectives.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

NURS 5368. Leader Within: Professional Accountability, Succession Planning and Reflective Practice II.
This course is designed to be the culminating mentored experience for the synthesis of critical thinking and reflections from didactic work with the practice of nursing leadership. Students will evaluate and present their final capstone project, reflecting summation of program objectives.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

NURS 5372. Psychological Theory for Mental Health Practitioners.
The course provides the foundation for assessing the most commonly used theories in psychiatric- mental health practice and integrating the nursing theories specific to psychiatric nursing. Theories used to guide practice will be stressed. Emphasis will be placed on the interrelationship between theory and research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5384. Role, Leadership, Policy, and Ethics Within the US Healthcare Delivery System.
The course will emphasize the role of the Psychiatric Mental Health Advanced Practice Nurse. Leadership styles, the process of policy, ethical standards, barriers, and role will be addressed. Characteristics of leaders in the nurse practitioner role, policy and policy making, and ethical dilemmas facing patients and providers will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5385. Translational Research and Capstone.
The students will explore evidence-based practice (EBP) for Psychiatric Mental Health Nurse Practitioners. This course will equip nurses with the skills needed to effectively engage in EBP, to serve as EBP champions and mentors, and to lead projects that translate evidence into clinical practice within healthcare facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5386. Chronic Mental Health Self-Management Across the Lifespan.
The course will explore psychiatric disorders that manifest throughout the lifespan. Chronic disease self-management principles will be applied to a variety of long-term mental illnesses. Emphasis will be placed on the chronicity of certain illnesses and the need to manage them from onset to end-of-life.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5410. Adult/Gerontology Primary Care.
This course focuses on the collection of data, pertinent laboratory findings, diagnostic tests, differential diagnoses and plans for therapeutic intervention. Integration of theory, health promotion, disease prevention, and clinical decision making in a variety of clinical care settings as applied to adults and older adults will be emphasized. Restricted to MSN degree students only.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5430. Pediatric & Adolescent Primary Care.
This course investigates the primary care management process to diagnose, treat, and follow up common illnesses of increasing complexity in pediatric and adolescents using family-centered and developmental perspectives. Perspectives of underserved popluations in a variety of clinical settings will be explored. Restricted to MSN degree students only.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5450. Integrative Family Primary Care.
This course emphasizes the evaluation of clinical indications and contraindications, potential risks, and methods of accessing evidence-based information about complementary and alternative care, nutrition, herbs and dietary supplements. Skills in educating patients, communicating and collaborating with other health professionals, and documenting and reporting adverse events will be mastered. Restricted to MSN degree students only.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Science in Nursing (M.S.N.) Major in Leadership and Administration in Nursing

Program Overview

The 36-hour Master of Science in Nursing major in Leadership and Administration in Nursing (MSN-LAN) hybrid post-professional master's degree program will prepare post-baccalaureate nurses and post-master's nurses to practice in leadership and administrative roles in a variety of health care institutions. Participants seeking career advancement opportunities through graduate education for top nurse executive positions, care/service line nurse executive roles, and primary care/population-based manager positions will be prepared to effectively translate innovative practice models and expertly direct the delivery of health care across organizational models. The graduate of the MSN-LAN will skillfully translate research and become an expert in using evidenced-based practice knowledge to direct individual and population health care. The acquisition of advanced knowledge and clinical judgment will afford society a fully educated nurse leader who champions accountable care for improvement in health outcomes. Overall, the MSN-LAN program will position the post-professional Registered Nurse (RN) graduate to exhibit transformational leadership to effect and generate health policy development, organizational and systems development, evidence-based care, and evaluation of health care delivery in collaboration with inter-professional teams and partners.

The 16-month, 4-semester curriculum includes courses emphasizing the core management and executive competencies established by the American Organization of Nurse Executives (AONE) and the Essentials of Master's Education in Nursing as established by the American Association of Colleges of Nursing (AACN), the respective professional and accrediting bodies for leadership and graduate nursing education. Building on the SON's successful accreditation status of the Master of Science in Nursing with a major in Family Nurse Practitioner, the MSN-LAN will seek additional accreditation from the Commission on Collegiate Nursing Education (CCNE). The curriculum of the MSN-LAN program will prepare experienced RNs and RN managers to lead interdisciplinary teams with advanced competencies in communication, business skills, leadership, professionalism, and knowledge of the health care environment. Evidence-based practice, ethics, quality and performance improvement, risk management, organizational development, economics and finance, and relationship building will form the core of the curriculum. Community partner mentored practicums will provide 120 hours of experiential learning that supports 'real-time' solutions to current health care issues affecting Texans. Student-mentor partners will work together to address change projects, quality improvement, and patient safety issues of the mentor's facility/agency. Texas State faculty working with the student-mentor teams will strengthen the relationships between nursing education and nursing practice. The outlined curriculum and specific courses will afford RNs advanced knowledge, skills, and competencies needed to develop and improve health care systems. The program's hybrid format, the central Texas location, and use of video-conferencing will offer students flexibility, which aids recruitment, matriculation, and retention of practicing registered nurses.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes

to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- effective spring 2020, completed online NursingCAS application
- effective spring 2020, separate NursingCAS application fee

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- bachelor of science in nursing (B.S.N.) degree from a regionally accredited institution and from a nursing program accredited by the National League for Nursing Accrediting Commission (NLNAC), Commission on Collegiate Nursing Education (CCNE) or other nationally-recognized nursing education accrediting body. The B.S.N. degree must be reflected on the student's transcript at the time of application.
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA on a 4.0 scale in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA on a 4.0 scale in nursing course work
- grade of C or better in an upper division statistics course
- GRE not required
- current, valid unencumbered R.N. license or multi-state privilege to practice as a registered nurse in the state(s) in which the student will complete practicum courses. The license must be printed from the Texas Board of Nursing (BON) website.
- responses to specific essay questions
- three letters of recommendation from professionals competent to assess the student's academic capability and interest in pursuing the higher levels of nursing practice

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science in Nursing major in Leadership and Administration in Nursing requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
HA 5355	Human Resource Management in Healthcare Facilities	3
HIM 5342	Information Systems and Technology	3
HS 5315	Principles of Healthcare Finance for Clinical Leaders	3
NURS 5360	Leadership Science: Foundational Thinking Skills, Governance, & Community & Provider Relationships	3
NURS 5361	Leadership Science: Performance and Quality Improvement	3
NURS 5362	Leadership Science: Patient Safety, Risk Management, Legal and Regulatory Requirements	3
NURS 5363	Leadership Science: Evidence-Based Practice for Nurse Leaders	3
NURS 5364	Leadership Science: Health Care Finance and Workforce Planning	3
NURS 5365	Leadership Art: Ethics, Diversity, and Relationship Building	3
NURS 5366	Leadership Art: Health Policy and Advocacy	3
NURS 5367	Leader Within: Professional Accountability, Succession Planning and Reflective Practice I	3
NURS 5368	Leader Within: Professional Accountability, Succession Planning and Reflective Practice II	3
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Nursing: NURS

Courses Offered

NURS 5102. Advanced Health Assessment Practicum.
This course emphasizes advanced health assessment techniques and skills common to patient evaluation and development of differential diagnoses. Advanced physical assessment skills and identifying common signs and symptoms related to physical examination will be developed. Restricted to MSN degree students only.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 5106. Fundamentals of Appraisal and Translational Research II.
This course builds upon work begun in the first research course. Emphasis will be placed on writing an evidence-based scholarly paper or project in collaboration with a faculty member. Presentation of the findings and submission of a paper for publication will be required in the final semester. Restricted to MSN degree students only.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5107. Fundamentals of Appraisal and Translational Research III.
This course is a continuation of work begun in previous courses and will result in an evidence-based scholarly paper or project. Presentation of the findings and submission of a paper for publication will be required. This is a culminating project for the entire course of study. Restricted to MSN degree students only.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5141. Reproductive, Sexual and Obstetrical Health Practicum.
Students will integrate research evidence into practice with adolescent and adult patients while working in clinical settings in collaboration with other health care professionals. Students will utilize a systematic approach of assessment to develop advanced practice treatment plans for patients seeking care related to reproduction, sexual and obstetrical health. Restricted to MSN degree students only.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5170. Advanced Health Assessment Mental Health Focused Practicum.
This course emphasizes advanced health assessment techniques and skills common to patient evaluation and the development of differential diagnoses. Advanced physical and mental health assessment skills and the ability to identify common signs and symptoms related to physical and mental health disease processes will be developed.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5176. Models of Psychotherapy.
The course will examine the variety of therapeutic modalities available for the treatment of mental health disorders across the lifespan. Attention will be given to the nurse as psychotherapist and the development of a framework for practice. Integrating psychopharmacology with psychotherapy, and therapy with special populations will be presented.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5177. Models of Psychotherapy Practicum.
This course emphasizes advanced health assessment techniques and skills common to patient evaluation and the development of differential diagnoses. Advanced physical and mental health assessment skills and the ability to identify common signs and symptoms of disease will be developed.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5180. Advanced Health Assessment Applications for PMHNP.
This course emphasizes advanced mental health assessment techniques and skills unique to patient mental health evaluation and the development of differential diagnoses. Advanced physical and mental health assessment skills using standardized instruments and DSM5 guidelines will be developed.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5182. Psychoeducation Theory.
The course will explore approaches to patient education including legal and ethical issues specific to mental health. Educational activities, including teaching, counseling, and behavior modification will be discussed. Examination of techniques specific to mental and behavioral health and the use and impact of technology will be included.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5183. Psychoeducation Practicum.
The course will apply approaches to patient education including legal and ethical issues specific to mental health. Educational activities, including teaching, counseling, and behavior modification, will be implemented. Examination of techniques specific to mental and behavioral health and the use and impact of technology will be included.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
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NURS 5202. Advanced Health Assessment.
This course emphasizes advanced health assessment techniques and skills common to family practice. Advanced skills in laboratory evaluation, taking and assessing patient history, and diagnostic capabilities, which are sensitive to cultural and developmental needs of a variety of patients in diverse settings, will be developed. Restricted to MSN degree students only.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5204. Fundamentals of Appraisal and Translational Research I.
This course focuses on a variety of interest areas, related research and the evaluation of current research trends. There will be critique of research methodologies and outcomes into application within the clinical setting, as well as exploration of technological applications and student data compilations.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
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NURS 5205. Health Care Leadership for a Changing World.
This course explores leadership concepts and complexity of changing healthcare systems for the advanced nursing role. Healthcare economics, innovation, and resource stewardship are examined. Change management and leadership theories guide students to create a leadership philosophy. Rich leadership perspectives and diversity from various professional fields are examined through reflective practice.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5208. Current Issues in Advanced Practice Nursing.
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Grade Mode: Standard Letter

NURS 5367. Leader Within: Professional Accountability, Succession Planning and Reflective Practice I.
This course provides a mentored experience for the synthesis of critical thinking and reflections from didactic work with the practice of nursing leadership. Observational and independent learning activities will result in a Part I of the final capstone project reflecting culmination of program objectives.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

NURS 5368. Leader Within: Professional Accountability, Succession Planning and Reflective Practice II.
This course is designed to be the culminating mentored experience for the synthesis of critical thinking and reflections from didactic work with the practice of nursing leadership. Students will evaluate and present their final capstone project, reflecting summation of program objectives.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

NURS 5372. Psychological Theory for Mental Health Practitioners.
The course provides the foundation for assessing the most commonly used theories in psychiatric- mental health practice and integrating the nursing theories specific to psychiatric nursing. Theories used to guide practice will be stressed. Emphasis will be placed on the interrelationship between theory and research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5384. Role, Leadership, Policy, and Ethics Within the US Healthcare Delivery System.
The course will emphasize the role of the Psychiatric Mental Health Advanced Practice Nurse. Leadership styles, the process of policy, ethical standards, barriers, and role will be addressed. Characteristics of leaders in the nurse practitioner role, policy and policy making, and ethical dilemmas facing patients and providers will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5385. Translational Research and Capstone.
The students will explore evidence-based practice (EBP) for Psychiatric Mental Health Nurse Practitioners. This course will equip nurses with the skills needed to effectively engage in EBP, to serve as EBP champions and mentors, and to lead projects that translate evidence into clinical practice within healthcare facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5386. Chronic Mental Health Self-Management Across the Lifespan.
The course will explore psychiatric disorders that manifest throughout the lifespan. Chronic disease self-management principles will be applied to a variety of long-term mental illnesses. Emphasis will be placed on the chronicity of certain illnesses and the need to manage them from onset to end-of-life.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5410. Adult/Gerontology Primary Care.
This course focuses on the collection of data, pertinent laboratory findings, diagnostic tests, differential diagnoses and plans for therapeutic intervention. Integration of theory, health promotion, disease prevention, and clinical decision making in a variety of clinical care settings as applied to adults and older adults will be emphasized. Restricted to MSN degree students only.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5430. Pediatric & Adolescent Primary Care.
This course investigates the primary care management process to diagnose, treat, and follow up common illnesses of increasing complexity in pediatric and adolescents using family-centered and developmental perspectives. Perspectives of underserved popluations in a variety of clinical settings will be explored. Restricted to MSN degree students only.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5450. Integrative Family Primary Care.
This course emphasizes the evaluation of clinical indications and contraindications, potential risks, and methods of accessing evidence-based information about complementary and alternative care, nutrition, herbs and dietary supplements. Skills in educating patients, communicating and collaborating with other health professionals, and documenting and reporting adverse events will be mastered. Restricted to MSN degree students only.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Science in Nursing (M.S.N.) Major in Psychiatric Mental Health Nurse Practitioner

Major Program

The Master of Science in Nursing (MSN) degree with a major in psychiatric mental health nurse practitioner can be completed in as few as 15 months. Registered nurses (RNs) with a minimum of a bachelor of science in nursing (BSN) degree will advance their skills to the entry level for certification as a Psychiatric Mental Health Nurse Practitioner (MSN-PMHNP). This degree will position the advanced practice registered nurse to deliver specialized assessment and treatment, evidence-based care, and evaluation of mental health care in collaboration with inter-professional teams and partners. The 40-credit hour curriculum includes courses emphasizing the competencies for PMHNPs developed by the National Organization of Nurse Practitioner Faculties (NONPF), in addition to the Essentials of Master's Education in Nursing as established by the AACN. Graduates will be eligible to sit for the American Nurses Credentialing Center (ANCC) Psychiatric-Mental Health Nurse Practitioner (Across the Lifespan) Certification Exam.

The St. David's School of Nursing is accredited by the Commission on Collegiate Nursing Education (CCNE).

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- effective spring 2020, completed online NursingCAS application
- effective spring 2020, separate NursingCAS application fee

  and either

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- bachelor of science in nursing (B.S.N.) degree from a regionally accredited institution and from a nationally accredited nursing

program accredited by the Accreditation Commission for Education in Nursing (ACEN), Commission on Collegiate Nursing Education (CCNE) or other nationally-recognized nursing education accrediting body. The B.S.N. degree must be reflected on the transcript at the time of application.
- official transcript from **each institution** where course credit was granted
- minimum 3.0 GPA on a 4.0 scale in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA on a 4.0 scale in undergraduate nursing courses from an accredited college or university, plus any graduate coursework taken at an accredited college or university
- completed undergraduate upper division course in statistics with a grade of C or higher. The course must be completed prior to the beginning of the first semester of the program with transcripts submitted.
- GRE not required
- current, valid unencumbered registered nurse (R.N.) license or multi-state privilege to practice as a registered nurse in the state(s) in which the student will complete clinical courses. The license must be printed from the Texas Board of Nursing (BON) website.
- responses to specific essay questions
- resume/CV reflecting a minimum of one year of experience as an R.N. Students must have the equivalent of one year's experience as a R.N. prior to the application deadline for this program.
- three professional letters of recommendation from persons competent to assess the applicant's academic capability and interest in pursuing the higher levels of nursing practice.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science in Nursing (M.S.N.) major in Psychiatric Mental Health Nurse Practitioner requires 40 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
NURS 5202	Advanced Health Assessment	2
NURS 5170	Advanced Health Assessment Mental Health Focused Practicum	1
NURS 5303	Advanced Pharmacotherapeutics	3
NURS 5301	Advanced Pathophysiology	3
NURS 5372	Psychological Theory for Mental Health Practitioners	3
NURS 5273	Neuroscience for Mental Health Practitioners	2
NURS 5274	Developmental Models of Care Across the Lifespan	2
NURS 5275	Developmental Models of Care Across the Lifespan Practicum	2
NURS 5176	Models of Psychotherapy	1
NURS 5177	Models of Psychotherapy Practicum	1
NURS 5278	Acute and Crisis Models of Care Across the Lifespan	2
NURS 5279	Acute and Crisis Models of Care Across the Lifespan Practicum	2
NURS 5180	Advanced Health Assessment Applications for PMHNP	1
NURS 5281	Psychopharmacology	2
NURS 5182	Psychoeducation Theory	1
NURS 5183	Psychoeducation Practicum	1
NURS 5384	Role, Leadership, Policy, and Ethics Within the US Healthcare Delivery System	3
NURS 5385	Translational Research and Capstone	3
NURS 5386	Chronic Mental Health Self-Management Across the Lifespan	3
NURS 5287	Chronic Mental Health Self-Management Across the Lifespan Practicum	2
Total Hours		40

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations. The comprehensive exam for MSN-PMHNP program is a capstone project, submitted in the final semester.

Courses

Nursing (NURS)

NURS 5102. Advanced Health Assessment Practicum.
This course emphasizes advanced health assessment techniques and skills common to patient evaluation and development of differential diagnoses. Advanced physical assessment skills and identifying common signs and symptoms related to physical examination will be developed. Restricted to MSN degree students only.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 5106. Fundamentals of Appraisal and Translational Research II.
This course builds upon work begun in the first research course. Emphasis will be placed on writing an evidence-based scholarly paper or project in collaboration with a faculty member. Presentation of the findings and submission of a paper for publication will be required in the final semester. Restricted to MSN degree students only.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5107. Fundamentals of Appraisal and Translational Research III.
This course is a continuation of work begun in previous courses and will result in an evidence-based scholarly paper or project. Presentation of the findings and submission of a paper for publication will be required. This is a culminating project for the entire course of study. Restricted to MSN degree students only.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5141. Reproductive, Sexual and Obstetrical Health Practicum.
Students will integrate research evidence into practice with adolescent and adult patients while working in clinical settings in collaboration with other health care professionals. Students will utilize a systematic approach of assessment to develop advanced practice treatment plans for patients seeking care related to reproduction, sexual and obstetrical health. Restricted to MSN degree students only.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5170. Advanced Health Assessment Mental Health Focused Practicum.
This course emphasizes advanced health assessment techniques and skills common to patient evaluation and the development of differential diagnoses. Advanced physical and mental health assessment skills and the ability to identify common signs and symptoms related to physical and mental health disease processes will be developed.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5176. Models of Psychotherapy.
The course will examine the variety of therapeutic modalities available for the treatment of mental health disorders across the lifespan. Attention will be given to the nurse as psychotherapist and the development of a framework for practice. Integrating psychopharmacology with psychotherapy, and therapy with special populations will be presented.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5177. Models of Psychotherapy Practicum.
This course emphasizes advanced health assessment techniques and skills common to patient evaluation and the development of differential diagnoses. Advanced physical and mental health assessment skills and the ability to identify common signs and symptoms of disease will be developed.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5180. Advanced Health Assessment Applications for PMHNP.
This course emphasizes advanced mental health assessment techniques and skills unique to patient mental health evaluation and the development of differential diagnoses. Advanced physical and mental health assessment skills using standardized instruments and DSM5 guidelines will be developed.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5182. Psychoeducation Theory.
The course will explore approaches to patient education including legal and ethical issues specific to mental health. Educational activities, including teaching, counseling, and behavior modification will be discussed. Examination of techniques specific to mental and behavioral health and the use and impact of technology will be included.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5183. Psychoeducation Practicum.
The course will apply approaches to patient education including legal and ethical issues specific to mental health. Educational activities, including teaching, counseling, and behavior modification, will be implemented. Examination of techniques specific to mental and behavioral health and the use and impact of technology will be included.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5202. Advanced Health Assessment.
This course emphasizes advanced health assessment techniques and skills common to family practice. Advanced skills in laboratory evaluation, taking and assessing patient history, and diagnostic capabilities, which are sensitive to cultural and developmental needs of a variety of patients in diverse settings, will be developed. Restricted to MSN degree students only.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5204. Fundamentals of Appraisal and Translational Research I.
This course focuses on a variety of interest areas, related research and the evaluation of current research trends. There will be critique of research methodologies and outcomes into application within the clinical setting, as well as exploration of technological applications and student data compilations.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5205. Health Care Leadership for a Changing World.
This course explores leadership concepts and complexity of changing healthcare systems for the advanced nursing role. Healthcare economics, innovation, and resource stewardship are examined. Change management and leadership theories guide students to create a leadership philosophy. Rich leadership perspectives and diversity from various professional fields are examined through reflective practice.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5208. Current Issues in Advanced Practice Nursing.
The current professional and legal issues that influence advanced practice nursing, nursing education and the health care delivery system are discussed. Health care policy, changes in the economics of health care, and their impact on nursing are considered.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5273. Neuroscience for Mental Health Practitioners.
This course explores the connection of mind and body and the current neuroscience that supports the linkage between them. The physiology of the brain and nervous system, genetics and epigenetics, and the immune system will be examined. Diagnostic tools and evidence-based treatment modalities will be explored.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5274. Developmental Models of Care Across the Lifespan.
The course will explore the contribution of growth and development on mental illness. Specific attention will be paid to disorders of childhood, adolescence, and aging. Developmental factors associated with mental illness will be examined. Specific attention will be given to anxiety, autism spectrum, bipolar, depression, dementia, and impulse control disorders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5275. Developmental Models of Care Across the Lifespan Practicum.
The course will explore therapeutic mental illness interventions that occur during lifespan growth and development. Specific attention will be given to anxiety, autism spectrum, bipolar, depression, dementia, and impulse control disorders of patients across the lifespan.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5278. Acute and Crisis Models of Care Across the Lifespan.
This course will explore acute and crisis conditions needing immediate intervention and care. The examination of substance abuse, violence, trauma, suicide, and forensics will be undertaken. Special emphasis will be placed on suicide prevention, substance abuse intervention, and domestic violence. Disorders leading to forensic intervention will be discussed.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5279. Acute and Crisis Models of Care Across the Lifespan Practicum.
This course emphasizes mental health assessment techniques and skills for patients experiencing a variety of acute or crisis health issues and the development of differential diagnoses. Advanced physical and mental health assessment skills, identifying symptomology and treatment strategies for suicide prevention, substance abuse, and domestic violence, will be developed.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5281. Psychopharmacology.
This course focuses on the principles of clinical psychopharmacology for diverse populations across the lifespan. Knowledge of pharmacologic categories, indications and contraindications, dosing with special needs groups, adverse effects, and collaborative monitoring of pharmacotherapy and alternative therapies will be developed.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5287. Chronic Mental Health Self-Management Across the Lifespan Practicum.
The course will apply self-management strategies for psychiatric disorders that manifest throughout the lifespan. Chronic disease self-management principles will be applied to a variety of long-term mental illnesses in a clinical setting. A self-management intervention will be developed, implemented and evaluated.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5301. Advanced Pathophysiology.
In preparation for advanced practice, this course will expand understanding of the pathophysiology underlying dysfunctions and interrelatedness of the processes of normal physiology and pathophysiology across the continuum of disease and return to wellness. Applications will be made utilizing lifespan perspectives of the process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5303. Advanced Pharmacotherapeutics.
This course provides advanced knowledge in selecting pharmacologic agents and specific drugs, based on acute and chronic health problems in diverse populations. Knowledge of pharmacologic groups, indications and contraindications, dosing with special needs groups, adverse effects, and collaborative monitoring of pharmacotherapy and alternative therapies will be developed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5310. Adult/Gerontology Primary Care Practicum.
This clinical experience encompasses adult through geriatric health care in a variety of clinical settings. Application of the principles for developing a differential diagnosis, clinical decision making, designing interventions for patient care, and treatment in a variety of clinical settings will be performed. Restricted to MSN degree students only.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 5311. Behavioral Health Primary Care.
This course includes family system theories and their application to families. Common behavioral health diagnoses, such as anxiety, depression, and co-existing mental and physical illness, are investigated in relation to the human lifespan. The prevalence and incidence of behavioral health issues are considered in terms of diagnosis and theory. Restricted to MSN degree students only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5330. Pediatric & Adolescent Primary Care Practicum.
Students will integrate translational research evidence into practice with adolescent and pediatric patients while working in clinical settings in collaboration with other health care professionals. Students will utilize a developmental approach of assessing the pediatric and adolescent patient to create advanced practice treatment plans. Restricted to MSN degree students only.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 5341. Reproductive, Sexual and Obstetrical Health.
This course examines issues of fertility and infertility in males and females as well as the diseases related to sexual health. Selected topics in obstetrics, genetics, adolescent sexuality, family planning, cancers, HIV/AIDS, and STI's will be explored. Restricted to MSN degree students only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5350. Integrative Family Primary Care Practicum.
This course develops skills in utilization of holistic assessment, as well as application of the principles for developing a differential diagnosis, clinical decision making, and designing interventions and treatment in a variety of clinical settings. Evaluation of traditional and complementary/alternative methods for supporting health promotion will also be explored. Restricted to MSN degree students only.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 5351. Theoretical Foundations of Advanced Integrative Nursing.
This course includes nursing theories and the interrelatedness to the advanced practice role. Mind and body interconnectedness, allopathic and alternative care models are discussed. The developmental processes between wellness and illness are considered. Restricted to MSN degree students only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5360. Leadership Science: Foundational Thinking Skills, Governance, & Community & Provider Relationships.
This course will emphasize leadership skills in communication, leadership styles and organizational theory. Communication will focus on conflict resolution, presentation skills, and relationship building. Delivery systems, leadership styles, and demand for nursing will be examined. Complexity science, systems theory, and diversity required for organizing health care will be explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5361. Leadership Science: Performance and Quality Improvement.
This course will articulate performance improvement activities using evidence-based metrics to align patient outcomes with organizational goals. Methods for using quality metrics and action plans will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

NURS 5362. Leadership Science: Patient Safety, Risk Management, Legal and Regulatory Requirements.
This course will examine areas of risk and liability. Students will develop systems that identify early warning indicators of problems and will explore "just in time" reporting. The concept of sentinel events and root cause analysis will be explored. Accreditation standards, legal regulations, and compliance requirements will be integrated.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5363. Leadership Science: Evidence-Based Practice for Nurse Leaders.
The students will explore evidence-based practice (EBP) for nurse leaders. This EBP course will equip nurses with the skills needed to effectively engage in EBP, to serve as EBP champions and mentors, and to lead projects within healthcare facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5364. Leadership Science: Health Care Finance and Workforce Planning.
This course will emphasize workforce planning for nursing and the application of general principles of accounting. Twenty hours will be allocated to the development of a department operational and capital budget in collaboration with a nurse director or executive. Negotiation and monitoring of contracts and contract compliance will be explored.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

NURS 5365. Leadership Art: Ethics, Diversity, and Relationship Building.
This course will explore theories of culture and will include legal regulations that govern diversity. The relationship between medical ethics and corporate compliance will be explored. Methods for creating a trusting environment will be evaluated and the need for relationships with providers and academia will be illustrated.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5366. Leadership Art: Health Policy and Advocacy.
This course will focus on the need for leaders to belong to professional organizations to affect policy and advocacy. Participation in legislative activities will be promoted at the state and national levels. The impact of nurse leaders serving on boards that govern health care activities and organizations will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5367. Leader Within: Professional Accountability, Succession Planning and Reflective Practice I.
This course provides a mentored experience for the synthesis of critical thinking and reflections from didactic work with the practice of nursing leadership. Observational and independent learning activities will result in a Part I of the final capstone project reflecting culmination of program objectives.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
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NURS 5368. Leader Within: Professional Accountability, Succession Planning and Reflective Practice II.
This course is designed to be the culminating mentored experience for the synthesis of critical thinking and reflections from didactic work with the practice of nursing leadership. Students will evaluate and present their final capstone project, reflecting summation of program objectives.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
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Grade Mode: Standard Letter

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3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

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This course focuses on the collection of data, pertinent laboratory findings, diagnostic tests, differential diagnoses and plans for therapeutic intervention. Integration of theory, health promotion, disease prevention, and clinical decision making in a variety of clinical care settings as applied to adults and older adults will be emphasized. Restricted to MSN degree students only.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

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This course investigates the primary care management process to diagnose, treat, and follow up common illnesses of increasing complexity in pediatric and adolescents using family-centered and developmental perspectives. Perspectives of underserved popluations in a variety of clinical settings will be explored. Restricted to MSN degree students only.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

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This course emphasizes the evaluation of clinical indications and contraindications, potential risks, and methods of accessing evidence-based information about complementary and alternative care, nutrition, herbs and dietary supplements. Skills in educating patients, communicating and collaborating with other health professionals, and documenting and reporting adverse events will be mastered. Restricted to MSN degree students only.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Department of Physical Therapy

Willow Hall Room 336
Round Rock Campus

100 Bobcat Way
Round Rock, TX
T: 512-716-2652
http://www.health.txstate.edu/PT

Physical therapy is a dynamic profession with an established theoretical and scientific base and widespread clinical applications in the restoration, maintenance, and promotion of optimal physical function. Physical therapists are health professionals who help individuals maintain, restore, and improve movement, activity, and functioning, thereby enabling optimal performance and enhancing health well being and quality of life. Physical therapists' services prevent, minimize, or eliminate impairments of body functions and structures, activity limitations, and participation restrictions. Physical therapists diagnose and treat people of all ages, including newborns, children, and elderly individuals to improve mobility. Physical therapists provide care for people in a variety of settings, including hospitals, private practices, outpatient clinics, home health agencies, schools, sports and fitness facilities, work settings, and nursing homes.

Physical therapists play a vital role in today's health care environment and are recognized as essential providers of rehabilitation and habilitation, performance enhancements, and prevention and risk-reduction services. Physical therapists also play important roles both in developing standards for physical therapist practice and in developing health care policy to ensure availability, accessibility, and optimal provision of physical therapist services.

Immunization Requirements

It is the policy of the College of Health Professions that each student must provide a health report completed by a physician or licensed healthcare provider and must take specific immunizations before the student can be placed in a clinical or internship assignment. Information on these will be provided once students are enrolled in the program.

Background Check and Drug Screening

As a condition for placement in most professional practice sites, students are required to have a background check and/or drug screening to meet requirements set by individual sites. Information on the drug screening process will be provided by program/department/school. Previous misdemeanor or felony convictions under various titles of the Texas Penal Code may affect eligibility for practitioner license status following graduation.

Financial Assistance

Assistantships may be available for qualified applicants in the second and third year of the program. The office of The Graduate College can provide further information regarding scholarships.

Doctor of Physical Therapy (D.P.T.)

- Major in Physical Therapy (p. 1946)

Doctor of Physical Therapy (D.P.T.) Major in Physical Therapy

The Department of Physical Therapy offers a graduate degree in physical therapy: doctor of physical therapy (D.P.T.). The program admits 40 students per year into a cohort based program. The D.P.T. is a 9-semester, 3-year, full-time graduate program. The program is accredited by the Commission on Accreditation of Physical Therapy Education. Graduates are eligible to take the licensure examination upon completion of the degree.

Physical therapy is defined as the care and services provided by or under the direction and supervision of a physical therapist. Physical therapists provide services to patients/clients who have impairments, functional limitations, disabilities, or changes in physical function and health status resulting from injury, disease, or other causes. They interact and practice in collaboration with a variety of professionals – physicians, dentists, nurses, educators, social workers, occupational therapists, speech-language pathologists, audiologists, and other personnel involved with the patient/client. Physical therapists provide prevention and promote health, wellness, and fitness. In addition they provide consultative services to health facilities, colleagues, business and community organizations, and agencies. Physical therapists provide health care to their patients/clients in a wide variety of settings, including but not limited to, physical therapy office practices, hospitals, rehabilitation facilities, homes, long term care settings, schools, industrial settings, and athletic/fitness centers.

Physical therapist education is built on the knowledge and skills characteristically attributed to completion of a baccalaureate degree – general education that provides students with broad exposure to the humanities, arts, basic science, and social science; requirements that provide students with the opportunity to delve into a discipline at some depth; and electives that provide students with the opportunity to explore other interests. Additionally, admission to physical therapist education programs typically requires students to have completed a set of prerequisite courses in biology, chemistry, physics, statistics, psychology, and human anatomy and physiology.

Program Standards

Students enrolled in the physical therapy curriculum must maintain high scholastic standards and develop skills necessary to work effectively as a physical therapist with people with diverse needs. Students are expected to demonstrate emotional, mental, and physical fitness in their interactions with others, use skills and techniques that are generally accepted by the professional community and conform to the Code of Ethics of the American Physical Therapy Association and the laws of the State of Texas. A student's acceptance into the program does not guarantee that student's fitness to remain in the program. The faculty is responsible for assuring that only those students who continue to meet academic and professional behavior standards are allowed to continue in the program.

Evaluating Student's Professional Behavior

Members of the faculty, using their professional judgment, evaluate student's professional behavior continuously. Students receive information and counseling related to their professional behavior performance from faculty members, their advisors, and their clinical education supervisors. The criteria used by the faculty to make such judgments include instructors' observations of course performance, evaluation of student's performance in simulated practice situations, supervisors' evaluations of student's performance in clinical situations, generic abilities/professional behavior assessment, assessment of clinical skills, and adherence to the Code of Ethics. Relevant expectations are explicit in each course syllabus. Students who are not making satisfactory progress or who are not meeting program standards will be encouraged to withdraw from the program.

In this context, the term "unsatisfactory progress in the program" refers to an academic judgment made regarding the student's professional behavior. It is a judgment that the student has failed to meet academic standards rather than a judgment made on the basis of the student's violation of valid rules of conduct. Disciplinary matters are referred to the assistant dean of students.

Required Withdrawal from the Program

If a faculty member believes that a student is not making satisfactory progress or meeting program or university standards, they should discuss the situation with the student and the student's advisor.

The department chair, after considering the advisor's recommendations and after meeting with the student will determine whether the student will be allowed to remain in the program. The department chair need not meet with the student before making a decision if the department chair has given the student reasonable opportunity to meet and the student has either failed or refused to meet. The student will be notified of the department chair's decision in writing within ten working days of the department chair's meeting with the student.

If the student is dissatisfied with the department chair's decision, they may appeal to the dean of the College of Health Professions. However, in order for an appeal to be considered, the student must submit a written notice for an appeal to the department chair within 10 working days of receiving the department chair's decision. The dean will consider the matter based on results complied by the department chair and notify the student of this or her decision within 10 working days of receipt of the appeal from the department chair.

Clinical Education

All students are required to complete part-time clinical education experiences in physical therapy facilities within the Central Texas area and in the Texas State Physical Therapy Clinic. The full-time clinical experiences may be completed in facilities within or outside of the Central Texas area. The additional costs of travel during the part-time experiences, as well as the cost associated with temporary relocation during the full-time experiences, are the responsibility of the student.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application and additional PTCAS application
- separate PTCAS application fee

  and either

- $80 nonrefundable application fee

or

- $115 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in all science courses (biology,chemistry, and physics)
- minimum 3.0 GPA in all prerequisite course requirements
- official GRE (general test only) scores with competitive scores in the verbal reasoning and quantitative reasoning section
- three forms of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Physical Therapy (D.P.T.) degree with a major in Physical Therapy requires 99 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
PT 7114	Professional Issues	1
PT 7116	Health Promotion and Wellness in Physical Therapy I	1
PT 7125	Clinical Decision Making I	1
PT 7135	Clinical Decision Making II	1
PT 7155	Clinical Decision Making III	1
PT 7157	Reseach III in Physical Therapy	1
PT 7165	Clinical Decision Making IV	1
PT 7176	Health Promotion and Wellness in Physical Therapy II	1
PT 7190	Independent Study in Physical Therapy (Taken twice.)	2
PT 7211	Anatomy I: Structural Anatomy	2
PT 7231	Anatomy II – Spine	2
PT 7241	Anatomy III - Lower Extremity	2
PT 7251	Anatomy IV - Upper Extremity	2
PT 7263	Body Systems III – Diagnostics	2
PT 7268	Advanced Therapeutic Interventions	2
PT 7274	Current Issues in Physical Therapy	2
PT 7312	Patient Care Skills I	3
PT 7313	Body Systems I – Pathology	3
PT 7326	Neuroscience I:Functional Neuroanatomy	3
PT 7327	Research in Physical Therapy I	3
PT 7328	Examination Techniques	3
PT 7333	Body Systems II – Cardiovascular/pulmonary System	3
PT 7336	Neuroscience II-Pediatrics	3
PT 7346	Neuroscience III	3
PT 7347	Research in Physical Therapy II	3
PT 7356	Neuroscience IV	3
PT 7364	Management Issues	3
PT 7428	Therapeutic Interventions	4
PT 7462	Patient Care Skills II	4
PT 7539	Musculoskeletal I – Spine	5
PT 7549	Musculoskeletal II - Lower Extremity	5
PT 7559	Musculoskeletal III - Upper Extremity	5
Clinical Education Courses		
PT 7130	Clinical Education Orientation	1
PT 7150	Directed Clinical Experience	1
PT 7370	Clinical Education I	3
PT 7480	Clinical Education II	4
PT 7481	Clinical Education III	4
PT 7690	Clinical Education IV	6
Total Hours		99

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Doctoral level courses in Physical Therapy:

Courses Offered

Physical Therapy (PT)

PT 7114. Professional Issues.
This course serves as an introduction to the historical, current, and future issues faced by the physical therapy profession and to the need for lifelong professional development.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7115. Evidence-Based Practice.
This course introduces the concept of evidence-based practice in physical therapy including the formulation of answerable clinical questions, methods of obtaining peer-reviewed evidence to those clinical questions, and how to critically appraise evidence once located.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7116. Health Promotion and Wellness in Physical Therapy I.
This course will include an in-depth investigation of the concepts of health promotion and wellness and, based on evidence, their relationship to each other and to health and wellness outcomes. The role of, theories of, and interventions for behavior change will be explored as tools to promote health and well-being.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7125. Clinical Decision Making I.
This course provides a venue in which students can explore multiple aspects of patient evaluation, intervention, and outcomes in a problem-based learning environment. Students will identify complicating issues in patient care including physical, psychosocial, financial, and environmental factors as well as develop possible solutions to identified problems.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7130. Clinical Education Orientation.
This course provides an orientation to the requirements of the clinical education course sequence including patient education as well as the legal, ethical and professional requirements of physical therapy practice.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7135. Clinical Decision Making II.
This course provides a venue in which students can explore multiple aspects of patient evaluation, intervention, and outcomes in a problem-based learning environment. Students will identify complicating issues through case scenarios incorporating factors from all courses taken through the first year spring semester.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7150. Directed Clinical Experience.
A structured clinical experience in which the student will have the opportunity to demonstrate the ability to apply the theory and clinical skills acquired during didactic course work into the clinical environment. This course will be completed in the Texas State Physical Therapy Clinic. This course is repeatable for credit.
1 Credit Hour. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7155. Clinical Decision Making III.
This course provides a venue in which students can explore multiple aspects of patient evaluation, intervention, and outcomes in a problem based learning environment. Students will identify complicating issues through case scenarios incorporating factors from all courses taken through the second year fall semester.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7157. Reseach III in Physical Therapy.
This course is a continuation of the DPT research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. Prerequisite: PT 7327 and PT 7347 and instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

PT 7165. Clinical Decision Making IV.
This course provides a venue in which students can explore multiple aspects of patient evaluation, intervention, and outcomes in a problem based learning environment. Students will identify complicating issues through case scenarios incorporating factors from all courses taken thus far in the program.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7167. Research III in Physical Therapy.
This course is a continuation of the DPT research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. This course involves a literature review and identification of a practice-based research question. Completion of the full research sequence is required for graduation.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7176. Health Promotion and Wellness in Physical Therapy II.
The role of the physical therapist in health promotion, wellness, and prevention at the community and population levels will be explored. Using the framework of a social ecological model, strategies for community assessment and prevention of disease and disability related to movement will be performed through service learning activities.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7177. Research IV in Physical Therapy.
This course is a continuation of the DPT research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. The course involves development of data collection tools and strategies in a practice-based research environment. Completion of the full research sequence is required for graduation.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7187. Research V in Physical Therapy.
This course is a continuation of the DPT research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. The course includes patient outcomes data collection in a practice-based research environment. Completion of the full research sequence is required for graduation.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7190. Independent Study in Physical Therapy.
An in-depth independent study of a singular problem or related problem in the dynamic field of physical therapy and health care. Emphasis will be on the relevance of the problem and the value to the participant. May be repeated twice for credit.
1 Credit Hour. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

PT 7197. Research VI in Physical Therapy.
This course is a continuation of the DPT research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. The course includes completion of data collection and analysis for an oral presentation and final paper. Completion of this last course is required for graduation.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7211. Anatomy I: Structural Anatomy.
This course is an introduction to the structure and function of the human body with emphasis on the skeletal, muscular, nervous, and integumentary systems. Content includes basic neurological screening and an introduction to palpation of the human body, embryology, and vasculature.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7231. Anatomy II – Spine.
Study of static and dynamic aspects of the vertebral column and skull including bony landmarks, muscular, ligamentous attachments, and blood and nerve supply will be studied through lecture, lab, dissection of human cadavers, and independent study.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7241. Anatomy III - Lower Extremity.
Study of static and dynamic aspects of the lower extremity including bony landmarks, muscular, ligamentous attachments, and blood and nerve supply will be studied through lecture, lab, dissection of human cadavers, and independent study.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7251. Anatomy IV - Upper Extremity.
Study of static and dynamic aspects of the upper extremity including bony landmarks, muscular, ligamentous attachments and blood and nerve supply studied through lecture, lab, dissection of human cadavers, and independent study.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7263. Body Systems III – Diagnostics.
Pharmacology, medical imaging, electroneuromyography, and other selected diagnostic tests as related to physical therapist practice. Content emphasizes expected and adverse effects of selected medications, documentation of results of medical imaging procedures, and the use of muscle and nerve integrity testing via nerve conduction velocity techniques.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7268. Advanced Therapeutic Interventions.
This course provides expansion of clinical reasoning and intervention skills for neuromusculoskeletal impairments. Advanced clinical cases, including pediatric, adult neurological and orthopaedic impairments, afford students the opportunity to hone manual and handling skills, utilize advanced forms of exercise and incorporate pain science in comprehensive patient treatment. Prerequisite: PT 7428 with a grade of "C" or better.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7274. Current Issues in Physical Therapy.
Current issues that are not required by accreditation and/or that are not included in other courses are presented in this course to ensure students are prepared for success in full-time clinical education experiences. Topics included are residency and fellowship education, current professional issues, and advanced examination and intervention techniques.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7294. Special Issues in Physical Therapy.
Provides opportunities for learning through lecture covering multiple physical therapy practice settings and areas of specialization. Also designed to provide information relevant to the licensure process, preparation for the licensure exam, and test-taking strategies to enhance performance. This course is repeatable for credit. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PT 7311. Anatomy I: Structural Anatomy.
Introduction to the structure and function of the human body with emphasis on the skeletal, muscular, and nervous system. Content includes laboratory study of the human cadaver.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7312. Patient Care Skills I.
This course introduces students to basic patient care skills and documentation. Topics emphasized include body mechanics, patient positioning, mobility, transfers, patient communication/instruction skills, and documentation format. Students will also receive an introduction to therapeutic exercise, health promotion and wellness, and infection control as well as patient rights and reimbursement issues.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7313. Body Systems I – Pathology.
Normal and abnormal organ system function as related to physical therapist practice with emphasis on the musculoskeletal, neuromuscular, cardiovascular/pulmonary, and integumentary systems. Content includes tissue inflammation and repair, infection, degenerative processes, and changes related to processes of aging.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7326. Neuroscience I:Functional Neuroanatomy.
Structure and function of the central, peripheral, and autonomic nervous systems in the context of lifespan human development.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7327. Research in Physical Therapy I.
Three-course sequence introducing the physical therapy student to research and statistical methodologies. This initial course emphasizes the application of basic principles of the scientific method for: 1) critically reviewing physical therapy literature; 2) developing research proposals; and 3) identifying the tools necessary for analysis and assessment of clinical practice patterns.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7328. Examination Techniques.
This course introduces foundational physical therapist examination techniques. Students will perform basic orthopedic, neurologic, cardiopulmonary, and integumentary exam techniques, identify and correct substitutions, and interpret results. An emphasis will be placed on anatomical structures, body mechanics, handling skills, communication, positioning, and screening.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7333. Body Systems II – Cardiovascular/pulmonary System.
Fitness, health, wellness, and normal and abnormal function of the cardiovascular/pulmonary and metabolic systems as related to physical therapist practice. Content emphasizes basic principles of care in respiratory therapy, chest physical therapy, electrocardiography, exercise testing, exercise prescription, and cardiac rehabilitation.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7336. Neuroscience II-Pediatrics.
Study of typical growth and motor development and diseases, disorders, and dysfunction affecting postural control from birth to young adulthood. Content emphasizes motor control, motor learning, and recovery of function in the context of relevant models of practice, models of disablement, hypothesis-oriented clinical practice, and theories of motor control.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7346. Neuroscience III.
This course studies the neurologic diseases, disorders, and dysfunction affecting postural control in the adult. Content emphasizes motor control, motor learning, and recovery of function in the context of relevant models of practice, models of disablement, hypothesis-oriented clinical practice, and theories of motor control.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7347. Research in Physical Therapy II.
Three-course sequence introducing the physical therapy student to research and statistical methodologies. This second course emphasizes the proposal writing aspect of research, building on knowledge of research methods and statistics gained in PT 7327. Includes introduction to statistical software packages used for data-analysis and generating bibliographic material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7356. Neuroscience IV.
This course studies the neurologic diseases, disorders, and dysfunction affecting postural control in the adult. Content emphasizes motor control, motor learning, and recovery of function in the context of relevant models of practice, models of disablement, hypothesis-oriented clinical practice, and theories of motor control.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7363. Body Systems III – Cardiovascular/Pulmonary System.
Fitness, health, wellness, and normal and abnormal function of the cardiovascular/pulmonary and metabolic systems as related to physical therapist practice. Content emphasizes basic principles of care in respiratory therapy, chest physical therapy, electrocardiography, exercise testing, exercise prescription and cardiac rehabilitation. This course is repeatable for credit.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7364. Management Issues.
This course is the study of basic management theories, principles, and practices as they relate to the delivery of physical therapist practice, reimbursement resources and issues, and internal and external forces that impact physical therapist practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7370. Clinical Education I.
A full-time clinical education experience in which the student will apply the theory and clinical skills acquired during previous didactic course work in the clinical setting.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

PT 7428. Therapeutic Interventions.
This course provides an introduction to therapeutic interventions and their role in preventing loss of, restoring, and improving movement. Students will learn how to identify the diseased/injured tissue and/or body system, and how to use targeted movement-related interventions (physical agents, soft tissue mobilization, therapeutic exercise) to enhance movement.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7462. Patient Care Skills II.
This course covers physical therapist care of medically complex patients with multi-system involvement. Content focuses on integumentary care/wound management, acute care/ICU, orthotics, and prosthetics. Complicating factors such as age, malnutrition, pain, obesity, diabetes, and other comorbidities are included.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7474. Management Issues.
Study of basic management theories, principles, and practices as they relate to the health care delivery system, reimbursement resources and issues, and internal and external forces that impact health care delivery.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7480. Clinical Education II.
A full-time clinical education experience in which the student will apply the theory and clinical skills acquired during previous didactic course work in the clinical setting.
4 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

PT 7481. Clinical Education III.
A full-time clinical education experience in which the student will apply the theory and clinical skills acquired during previous didactic course work in the clinical setting.
4 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

PT 7539. Musculoskeletal I – Spine.
Study of static and dynamic aspects of the vertebral column and skull studied through lecture, lab, literature review, and independent study. Knowledge and skill will be integrated to identify problems, prognosis, functional goals, and to develop comprehensive intervention programs related to the spine, including preventative health planning.
5 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7549. Musculoskeletal II - Lower Extremity.
Study of static structural and dynamic aspects of the lower extremity. Emphasizes the effects and affects of forces on function. Clinical decision-making involving the integration of knowledge and skill to identify problems, establish goals, and develop comprehensive physical therapy programs related to the region of study.
5 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7559. Musculoskeletal III - Upper Extremity.
Study of static structural and dynamic aspects of the upper extremity. Emphasizes the effects and affects of forces on function. Clinical decision-making involving the integration of knowledge and skill to identify problems, establish goals, and develop comprehensive physical therapy programs related to the region of study.
5 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7690. Clinical Education IV.
A full-time clinical education experience in which the student will apply the theory and clinical skills acquired during previous didactic course work in the clinical setting.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Department of Respiratory Care

Willow Hall Room 214
Round Rock Campus
Round Rock, TX
T: 512-716-2806 F: 512-716-2805
http://www.health.txstate.edu/rc

Vision Statement

The vision of the Department of Respiratory Care is to produce quality graduates who meet the expectations of the communities of interest served by the program, to establish and maintain an excellent national reputation, and to be a leader in innovative educational endeavors in the profession. As a means to accomplish the vision, the respiratory care departmental goals include:

- advancing the curriculum as national higher education and professional standards evolve,
- maintaining accreditation standards as set forth by the Commission on Accreditation for Respiratory Care in respiratory care and polysomnography theory and clinical practice,
- recruiting and maintaining racial, gender, and ethnic diversity in both the faculty and students,
- encouraging faculty to pursue professional development through participation in advanced specialty credentialing and professional continuing education,
- encouraging faculty & students to participate in professional organizations and community service projects,
- increasing external funding for the university, college, and department through grant activity and entrepreneurship,
- utilizing the Texas State Sleep Center to meet the educational and research needs of the students and faculty while meeting the diagnostic and treatment needs of the Texas State faculty, staff and student body,
- utilizing the Texas State Sleep Center to meet the sleep diagnostic and treatment needs of the surrounding region as it pertains to education and research, and
- encourage students to purse graduate education to advance competency in areas of education, research, management, and professional specialties.

Immunization Requirements

It is the policy of the College of Health Professions that each student must provide a health report completed by a physician and must take specific immunizations before the student can be placed in a clinical assignment. Information on these requirements and the required forms may be obtained through the program/department/school office.

Background Check and Drug Screening

As a condition for placement in some professional practice sites, some students are required to have a background check and/or drug screening to meet requirements set by individual sites. Information on the drug screening process will be provided by program/department/school. Previous misdemeanor or felony convictions under various titles of the Texas Penal Code may affect eligibility for practitioner license status following graduation.

Clinical Education

Polysomnography students are required to complete clinical education experiences in an accredited sleep lab/center. The costs of travel during clinical experiences are the responsibility of the student. The Texas State Sleep Center is available for polysomnography student clinical experiences.

Master of Science in Respiratory Care (M.S.R.C.)

- Major in Respiratory Care (Leadership Concentration) (p. 1952)
- Major in Respiratory Care (Leadership Concentration and Minor in Polysomnography) (p. 1954)
- Major in Respiratory Care (Polysomnography Concentration) (p. 1956)

Master of Science in Respiratory Care (M.S.R.C.) Major in Respiratory Care (Leadership Concentration)

Major Program

This advanced online post-professional master's degree program offers practicing registered respiratory therapists (RRT) the opportunity to pursue current and emerging knowledge in the evolving respiratory care discipline within specific concentration areas. The program will prepare respiratory therapists seeking career advancement opportunities through graduate education for advanced respiratory care leadership roles, for healthcare-based clinical educators' positions, and for academic educators' positions in the discipline of respiratory care.

The educational objectives of the program are:

1. To provide a degree program that will prepare students for the emerging roles and functions within the respiratory care domains of leadership and clinical specializations.
2. To provide graduate level education that will prepare students to advance problem-solving skills with the ability to analyze and evaluate systems, technology, regulations, data needs to assist in creating new programs and systems, and policy development.
3. To provide a broad-based program of coursework that supports the varied aspects of RC practice focusing on management, supervision, education, evidence-based medicine, and healthcare research.
4. To provide coursework to prepare graduates to better serve as leaders and physician-extenders in clinical, managerial, and extended care settings.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university (U.S. Citizens)
- International applicants not eligible for the NBRC RRT credential must have a baccalaureate degree in Respiratory Care/Therapy
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- proof of the RRT national credential administered through the NBRC (U.S. Citizens)
  - International students not eligible for the NBRC credential must complete their country's credentialing exam, if one exists
- resume/CV
- statement of purpose indicating ability and interest in completing the degree program
- three letters of recommendation from professionals or academics competent to assess the student's interest in pursuing a career or advancing in the field of study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall with minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science in Respiratory Care (M.S.R.C.) degree with a major in Respiratory Care concentration in Leadership requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
RC 5301	Advanced Cardiopulmonary Physiology	3
RC 5302	Clinical Practice Guidelines and Respiratory Care Protocols	3
RC 5303	Respiratory Care Research Methods and Design	3
RC 5304	Cardiopulmonary Disease Patient Education	3
RC 5305	Respiratory Care Applied Research	3
RC 5306	Academic Leadership in Respiratory Care	3
RC 5307	Advanced Respiratory Care Seminar	3
RC 5308	Advanced Cardiopulmonary Diagnostics and Therapeutics	3
Concentration		
HA 5304	Healthcare Economics and Financial Theory	3

HA 5321	Healthcare Law	3
HA 5362	Healthcare Organizational Behavior/Theory	3
HS 5315	Principles of Healthcare Finance for Clinical Leaders	3
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Respiratory Care: RC

Courses Offered

Respiratory Care (RC)

RC 5211. Polysomnography Instrumentation.
Designed to teach the function, operation, and design of electroneurodiagnostic equipment. Monitoring devices, electrode application, and patient connection will be covered in detail. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5214. Sleep Staging and Diagnostics.
Advanced study of waveform characteristics and montage development, filters, and PSG electronics. Signal pathways, reference electrodes, impedance checking and filter settings in calibration waves will be covered. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5215. Clinical Polysomnography-Sleep Staging.
Advanced clinical education in sleep staging rules, light, delta and REM sleep scoring and analysis. EEG, EMG, ECG and respiratory events will be discussed in depth and are components of the polysomnogram report. A research project and presentation will be assigned by the faculty. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5301. Advanced Cardiopulmonary Physiology.
An in-depth study of cardiovascular and respiratory physiology. This course investigates pathologic physiological changes, adaptive mechanisms, and interrelationships of the cardiopulmonary systems. Students will apply advanced cardiopulmonary physiology to the management of patients requiring respiratory care services.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5302. Clinical Practice Guidelines and Respiratory Care Protocols.
An examination of the roles of clinical practice guidelines and protocols in the continuum of patient care. Analysis of the development, modification, initiation, and evaluation of patient outcomes will be covered. Barriers to protocol practice and strategies for implementation will be explored. Evidence-based outcomes will be summarized through literature reviews.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5303. Respiratory Care Research Methods and Design.
Provides an in-depth study of medical research including evaluation of published, peer-reviewed research designs. Students examine research articles and evaluate evidence-based research findings. Topics include: research ethics, sampling and research design, test statistics, conclusions, and practical verses statistical significance. Students will explore research protocol development, research proposals, and project management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5304. Cardiopulmonary Disease Patient Education.
A comprehensive study of patient education and self-management of cardiopulmonary disease exacerbations including disease information, prevention and treatment. Programs for patient self-assessment , treatment efficiency, adjustment of drug regimen, behavior modification, and nicotine addiction will be examined. Methods for documenting outcomes and patient behavior modification will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5305. Respiratory Care Applied Research.
This course offers an opportunity to apply research methods and design concepts. Students will design and submit a research proposal to the Texas State University's Institutional Review Board (IRB) for approval. Prerequisite: RC 5303 with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5306. Academic Leadership in Respiratory Care.
Introduction to the foundations necessary to build a strong understanding of academic administration, fiscal planning, curriculum development, and outcomes assessment for respiratory therapist programs. Topics include preparation of annual accreditation reports, organization of clinical practice rotations, the role of advisory committees, and integration of didactic, laboratory, and clinical experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5307. Advanced Respiratory Care Seminar.
In-depth discussion of topics related to current issues and trends in the profession and the impact on patient care services. Includes journal review, group discussion, project development, and online presentation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5308. Advanced Cardiopulmonary Diagnostics and Therapeutics.
An overview of advanced cardiopulmonary diagnostic and therapeutic procedures addressing selected disorders including asthma, chronic obstructive lung diseases, restrictive lung diseases, pulmonary edema, congestive heart failure, and cardiac disorders. International disease standards and classifications established by the World Health Organization with appropriate treatment protocols will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5310. Fundamentals of Polysomnography.
Introduction to the physiology of sleep, including sleep neurology, sleep architecture, and classification of sleep disorders. Review of basic cardiac physiology and ECG arrhythmia recognition. Sleep pathologies will be discussed according to etiology, pathophysiology, symptoms, diagnosis, treatment, and prognosis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

RC 5313. Polysomnographic Therapeutic Intervention.
In-depth study of the treatments available for sleep apnea including, CPAP, BiPAP, oxygen therapy, patient adjunctive fitting, surgical intervention, and the role of the sleep tech in titration. Special attention will be given to titration algorithms, nocturnal seizure disorder studies, REM behavior disorder studies, MSLT's, and MTW's. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Science in Respiratory Care (M.S.R.C.) Major in Respiratory Care (Leadership Concentration and Minor in Polysomnography)

Major Program

This advanced online post-professional master's degree program offers practicing registered respiratory therapists (RRT) the opportunity to pursue current and emerging knowledge in the evolving respiratory care discipline within specific concentration areas. The program will prepare respiratory therapists seeking career advancement opportunities through graduate education for advanced respiratory care leadership roles, for healthcare-based clinical educators' positions, and for academic educators' positions in the discipline of respiratory care.

The educational objectives of the program are:

1. To provide a degree program that will prepare students for the emerging roles and functions within the respiratory care domains of leadership and clinical specializations.
2. To provide graduate level education that will prepare students to advance problem-solving skills with the ability to analyze and evaluate systems, technology, regulations, data needs to assist in creating new programs and systems, and policy development.
3. To provide a broad-based program of coursework that supports the varied aspects of RC practice focusing on management, supervision, education, evidence-based medicine, and healthcare research.
4. To provide coursework to prepare graduates to better serve as leaders and physician-extenders in clinical, managerial, and extended care settings.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university (U.S. Citizens)
- International applicants not eligible for the NBRC RRT credential must have a baccalaureate degree in Respiratory Care/Therapy
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- proof of the RRT national credential administered through the NBRC (U.S. Citizens)
  - International students not eligible for the NBRC credential must complete their country's credentialing exam, if one exists
- resume/CV
- statement of purpose indicating ability and interest in completing the degree program
- three letters of recommendation from professionals or academics competent to assess the student's interest in pursuing a career or advancing in the field of study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall with minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science in Respiratory Care (M.S.R.C.) degree with a major in Respiratory Care concentration in Leadership and a minor in Polysomnography requires 48 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
RC 5301	Advanced Cardiopulmonary Physiology	3
RC 5302	Clinical Practice Guidelines and Respiratory Care Protocols	3
RC 5303	Respiratory Care Research Methods and Design	3
RC 5304	Cardiopulmonary Disease Patient Education	3
RC 5305	Respiratory Care Applied Research	3
RC 5306	Academic Leadership in Respiratory Care	3
RC 5307	Advanced Respiratory Care Seminar	3

RC 5308	Advanced Cardiopulmonary Diagnostics and Therapeutics	3
Concentration		
HA 5304	Healthcare Economics and Financial Theory	3
HA 5321	Healthcare Law	3
HA 5362	Healthcare Organizational Behavior/Theory	3
HS 5315	Principles of Healthcare Finance for Clinical Leaders	3
Minor		
RC 5211	Polysomnography Instrumentation	2
RC 5214	Sleep Staging and Diagnostics	2
RC 5215	Clinical Polysomnography-Sleep Staging	2
RC 5310	Fundamentals of Polysomnography	3
RC 5313	Polysomnographic Therapeutic Intervention	3
Total Hours		48

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Respiratory Care: RC

Courses Offered

Respiratory Care (RC)

RC 5211. Polysomnography Instrumentation.
Designed to teach the function, operation, and design of electroneurodiagnostic equipment. Monitoring devices, electrode application, and patient connection will be covered in detail. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5214. Sleep Staging and Diagnostics.
Advanced study of waveform characteristics and montage development, filters, and PSG electronics. Signal pathways, reference electrodes, impedance checking and filter settings in calibration waves will be covered. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5215. Clinical Polysomnography-Sleep Staging.
Advanced clinical education in sleep staging rules, light, delta and REM sleep scoring and analysis. EEG, EMG, ECG and respiratory events will be discussed in depth and are components of the polysomnogram report. A research project and presentation will be assigned by the faculty. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5301. Advanced Cardiopulmonary Physiology.
An in-depth study of cardiovascular and respiratory physiology. This course investigates pathologic physiological changes, adaptive mechanisms, and interrelationships of the cardiopulmonary systems. Students will apply advanced cardiopulmonary physiology to the management of patients requiring respiratory care services.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5302. Clinical Practice Guidelines and Respiratory Care Protocols.
An examination of the roles of clinical practice guidelines and protocols in the continuum of patient care. Analysis of the development, modification, initiation, and evaluation of patient outcomes will be covered. Barriers to protocol practice and strategies for implementation will be explored. Evidence-based outcomes will be summarized through literature reviews.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5303. Respiratory Care Research Methods and Design.
Provides an in-depth study of medical research including evaluation of published, peer-reviewed research designs. Students examine research articles and evaluate evidence-based research findings. Topics include: research ethics, sampling and research design, test statistics, conclusions, and practical verses statistical significance. Students will explore research protocol development, research proposals, and project management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5304. Cardiopulmonary Disease Patient Education.
A comprehensive study of patient education and self-management of cardiopulmonary disease exacerbations including disease information, prevention and treatment. Programs for patient self-assessment , treatment efficiency, adjustment of drug regimen, behavior modification, and nicotine addiction will be examined. Methods for documenting outcomes and patient behavior modification will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5305. Respiratory Care Applied Research.
This course offers an opportunity to apply research methods and design concepts. Students will design and submit a research proposal to the Texas State University's Institutional Review Board (IRB) for approval. Prerequisite: RC 5303 with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5306. Academic Leadership in Respiratory Care.
Introduction to the foundations necessary to build a strong understanding of academic administration, fiscal planning, curriculum development, and outcomes assessment for respiratory therapist programs. Topics include preparation of annual accreditation reports, organization of clinical practice rotations, the role of advisory committees, and integration of didactic, laboratory, and clinical experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5307. Advanced Respiratory Care Seminar.
In-depth discussion of topics related to current issues and trends in the profession and the impact on patient care services. Includes journal review, group discussion, project development, and online presentation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5308. Advanced Cardiopulmonary Diagnostics and Therapeutics.
An overview of advanced cardiopulmonary diagnostic and therapeutic procedures addressing selected disorders including asthma, chronic obstructive lung diseases, restrictive lung diseases, pulmonary edema, congestive heart failure, and cardiac disorders. International disease standards and classifications established by the World Health Organization with appropriate treatment protocols will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5310. Fundamentals of Polysomnography.
Introduction to the physiology of sleep, including sleep neurology, sleep architecture, and classification of sleep disorders. Review of basic cardiac physiology and ECG arrhythmia recognition. Sleep pathologies will be discussed according to etiology, pathophysiology, symptoms, diagnosis, treatment, and prognosis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

RC 5313. Polysomnographic Therapeutic Intervention.
In-depth study of the treatments available for sleep apnea including, CPAP, BiPAP, oxygen therapy, patient adjunctive fitting, surgical intervention, and the role of the sleep tech in titration. Special attention will be given to titration algorithms, nocturnal seizure disorder studies, REM behavior disorder studies, MSLT's, and MTW's. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Master of Science in Respiratory Care (M.S.R.C.) Major in Respiratory Care (Polysomnography Concentration)

Major Program

This advanced online post-professional master's degree program offers practicing registered respiratory therapists (RRT) the opportunity to pursue current and emerging knowledge in the evolving respiratory care discipline within specific concentration areas. The program will prepare respiratory therapists seeking career advancement opportunities through graduate education for advanced respiratory care leadership roles, for healthcare-based clinical educators' positions, and for academic educators' positions in the discipline of respiratory care.

The educational objectives of the program are:

1. To provide a degree program that will prepare students for the emerging roles and functions within the respiratory care domains of leadership and clinical specializations.
2. To provide graduate level education that will prepare students to advance problem-solving skills with the ability to analyze and evaluate systems, technology, regulations, data needs to assist in creating new programs and systems, and policy development.
3. To provide a broad-based program of coursework that supports the varied aspects of RC practice focusing on management, supervision, education, evidence-based medicine, and healthcare research.
4. To provide coursework to prepare graduates to better serve as leaders and physician-extenders in clinical, managerial, and extended care settings.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university (U.S. Citizens)
- International applicants not eligible for the NBRC RRT credential must have a baccalaureate degree in Respiratory Care/Therapy
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- proof of the RRT national credential administered through the NBRC (U.S. Citizens)
  - International students not eligible for the NBRC credential must complete their country's credentialing exam, if one exists
- resume/CV
- statement of purpose indicating ability and interest in completing the degree program
- three letters of recommendation from professionals or academics competent to assess the student's interest in pursuing a career or advancing in the field of study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall with minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science in Respiratory Care (M.S.R.C.) degree with a major in Respiratory Care concentration in polysomnography requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
RC 5301	Advanced Cardiopulmonary Physiology	3
RC 5302	Clinical Practice Guidelines and Respiratory Care Protocols	3
RC 5303	Respiratory Care Research Methods and Design	3
RC 5304	Cardiopulmonary Disease Patient Education	3
RC 5305	Respiratory Care Applied Research	3
RC 5306	Academic Leadership in Respiratory Care	3
RC 5307	Advanced Respiratory Care Seminar	3
RC 5308	Advanced Cardiopulmonary Diagnostics and Therapeutics	3
Concentration		
RC 5211	Polysomnography Instrumentation	2
RC 5214	Sleep Staging and Diagnostics	2
RC 5215	Clinical Polysomnography-Sleep Staging	2
RC 5310	Fundamentals of Polysomnography	3
RC 5313	Polysomnographic Therapeutic Intervention	3
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Respiratory Care: RC

Courses Offered

Respiratory Care (RC)

RC 5211. Polysomnography Instrumentation.
Designed to teach the function, operation, and design of electroneurodiagnostic equipment. Monitoring devices, electrode application, and patient connection will be covered in detail. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5214. Sleep Staging and Diagnostics.
Advanced study of waveform characteristics and montage development, filters, and PSG electronics. Signal pathways, reference electrodes, impedance checking and filter settings in calibration waves will be covered. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
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RC 5215. Clinical Polysomnography-Sleep Staging.
Advanced clinical education in sleep staging rules, light, delta and REM sleep scoring and analysis. EEG, EMG, ECG and respiratory events will be discussed in depth and are components of the polysomnogram report. A research project and presentation will be assigned by the faculty. Prerequisite: Instructor approval.
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A comprehensive study of patient education and self-management of cardiopulmonary disease exacerbations including disease information, prevention and treatment. Programs for patient self-assessment , treatment efficiency, adjustment of drug regimen, behavior modification, and nicotine addiction will be examined. Methods for documenting outcomes and patient behavior modification will be covered.
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3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5306. Academic Leadership in Respiratory Care.
Introduction to the foundations necessary to build a strong understanding of academic administration, fiscal planning, curriculum development, and outcomes assessment for respiratory therapist programs. Topics include preparation of annual accreditation reports, organization of clinical practice rotations, the role of advisory committees, and integration of didactic, laboratory, and clinical experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

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3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

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Grade Mode: Standard Letter

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3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

RC 5313. Polysomnographic Therapeutic Intervention.
In-depth study of the treatments available for sleep apnea including, CPAP, BiPAP, oxygen therapy, patient adjunctive fitting, surgical intervention, and the role of the sleep tech in titration. Special attention will be given to titration algorithms, nocturnal seizure disorder studies, REM behavior disorder studies, MSLT's, and MTW's. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

College of Liberal Arts

Dean
Mary C. Brennan, Ph.D.
Flowers Hall Room 313
Telephone: 512-245-2317 Fax: 512-245-8291
http://www.txstate.edu/liberalarts

Associate Dean
Susan B. Day, Ph.D.
Associate Dean
Lucy D. Harney, Ph.D.
Associate Dean
Aimee K. Roundtree, Ph.D.

Center Directors/Department Chairs/Program Directors
International Studies–Paul Hart, Ph.D.
Diversity and Gender Studies–Audwin Anderson, Ph.D.
Study of the Southwest–John Mckiernan-Gonzalez, Ph.D.
Anthropology–Elizabeth Erhart, Ph.D.
English–Victoria L. Smith, Ph.D.
Geography–Yongmei Lu, Ph.D.
History–Angela F. Murphy, Ph.D.
Philosophy–Craig Hanks, Ph.D.
Political Science–Kenneth L. Grasso, Ph.D.
Psychology–William L. Kelemen, Ph.D.
Sociology–Chad L. Smith, Ph.D.
World Languages and Literatures–Lucy Ditto Harney, Ph.D.

Department of Anthropology

Evans Liberal Arts Building Room 266
Telephone: 512-245-8272 Fax: 512-245-8076
http://www.txstate.edu/anthropology

Mission

The mission of the Department of Anthropology is to provide its graduate students with the methodological and theoretical foundations to conduct basic and applied research. We aim to produce professional, ethical, and productive graduates for employment in the academic and non-academic job markets. The graduate curriculum, fieldwork and internship opportunities, laboratories, and research centers provide an excellent foundation for student research, proposal writing experience, and numerous training and educational activities. We are committed to multiculturalism, the diversity of people and ideas, a spirit of inclusiveness, and a global perspective.

Faculty Interests

Faculty in the Department of Anthropology have active research programs in the United States and around the world. Research interests in cultural anthropology include anthropological theory, political economy, globalization, race and gender, Latino culture, linguistics, phonetics, sociolinguistics, and medical anthropology. Research interests in archaeology include hunter-gatherers, complex societies, iconography, ceramic and lithic analysis, Native American ethnohistory, paleoenvironment, geoarchaeology, experimental archaeology, and cultural resource management. Research interests in biological anthropology include modern human skeletal variation, bioarchaeology, paleopathology, primate behavioral ecology and conservation, and forensic anthropology.

Laboratories and Centers

The Department of Anthropology houses fully equipped laboratories and centers for training and research in cultural anthropology, archaeology, and biological anthropology. The Center for Archaeological Studies (CAS) provides student training in archaeological research in cultural resource management in Texas. The Archaeological Curation Facility (ACF) offers students curatorial training. The Center for the Arts and Symbolism in Ancient America (CASAA) is an academic center for students to study prehistoric works of ancient art in the Americas. The Forensic Anthropology Center at Texas State (FACTS) gives students hands-on experience with forensic casework, excavation and recovery methods,

taphonomy and human decomposition, and laboratory analysis of human remains.

Financial Assistance

Scholarships and fellowships are available to qualified students on a competitive basis through The Graduate College https://www.gradcollege.txstate.edu/funding/scholarships.html. The Department of Anthropology also has graduate instructional and teaching assistantships for qualified candidates. Please contact the master's or doctoral program coordinators, Department of Anthropology, for more information about financial assistance and the degree programs.

Doctor of Philosophy (Ph.D.)

- Major in Applied Anthropology (p. 1959)

Master of Arts (M.A.)

- Major in Anthropology (Archaeology Concentration) (http://mycatalog.txstate.edu/graduate/liberal-arts/anthropology/archaeology-ma)
- Major in Anthropology (Biological Anthropology Concentration) (http://mycatalog.txstate.edu/graduate/liberal-arts/anthropology/biological-ma)
- Major in Anthropology (Cultural Anthropology Concentration) (http://mycatalog.txstate.edu/graduate/liberal-arts/anthropology/culturalandlinguistic-ma)

Minor

- Anthropology (p. 1986)

Doctor of Philosophy (Ph.D.) Major in Applied Anthropology

Program Overview

The Department of Anthropology's doctoral program in Applied Anthropology incorporates intercultural communication, interdisciplinary understanding, research design, grant writing, project management, ethics and professional conduct, methods of data collection, and the use of theory in the interpretation of data. The curriculum emphasizes skills that will make Texas State trained applied anthropologists qualified for a broad range of non-academic and academic jobs.

Educational Goal

Our educational goal is to produce the next generation of applied Ph.D. anthropologists—leaders in inter- and intra-disciplinary research who will help solve critical societal problems in the global 21st century. The following educational objectives are reflected in the doctoral coursework and program requirements.

• Research Techniques: With thorough experience using research technology, methods, and data analyses, graduates will have flexible tools for researching complex issues in applied anthropology. Graduates will master these skills through intra- and interdisciplinary course work, research, and their dissertation project.

• Theory: By mastering historical and contemporary theory in anthropology, graduates will have a set of analytical concepts to be effective professionals in practice. Graduates will obtain these skills through intra- and interdisciplinary course work, research, and their dissertation project.

• Professionalism: Graduates will be able to apply ethical decision making, implement best practices, demonstrate effective leadership, become proficient in current topics in applied anthropology, have necessary skills to write competitive grants and contracts, and produce professional reports and manuscripts. Graduates will achieve these skills through intra- and interdisciplinary course work, research, and their dissertation project.

Advising

At the time of acceptance into the program, the student will be assigned a dissertation advisor, who is a member of the doctoral faculty. Beginning in the first semester, the dissertation advisor and the doctoral program coordinator will work with the student to develop a program of study, and provide general academic and career-related advisement to the student. It is expected that students will pursue their course work and research activities in an efficient and timely manner.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree in anthropology or a closely related field from a regionally accredited university (Leveling courses with grades of B or better may be required if background course work is not sufficient.)
- official transcripts from **each institution** where course credit was granted
- minimum 3.3 GPA in all completed graduate course work
- GRE not required
- resume/CV, complete and current
- statement of purpose (3–5-page maximum, double-spaced) that includes
  - the anthropological subdiscipline for which the student is applying
  - background, experience, and skills
  - identification of the professor(s) with whom the student would like to work
  - specific dissertation research interests
  - reasons for interest in the Texas State program
  - readiness to complete the program in the specified time frame
  - professional plans and goals
  - if applicable, any crossover areas of research from other anthropological sub-disciplines

- three letters of recommendation addressing and evaluating the student's skills, academic potential, and ability to successfully complete the program in the specified time frame. Letters should be written by professors, academic instructors, and/or applied anthropology professionals.
- writing sample, such as the student's master's thesis or other sample of professional or academic writing

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Applied Anthropology requires 54 semester credit hours. Leveling courses with grades of B or better may be required if background course work is not sufficient.

Course Requirements

Code	Title	Hours
Required Courses		
ANTH 7341	Professional Ethics In Anthropology	3
ANTH 7344	Proposal Writing	3
ANTH 7397	Directed Research	3
ANTH 7310	Advanced Theory in Anthropology	3
Theory		
Choose 3 hours from the following:		3
BIO 7406	Statistics and Experimental Design II	
CJ 7350E	Discrete Multivariate Models	
ED 7353	Intermediate Quantitative Research Design and Analysis	
ED 7359	Seminar in Quantitative Research	
GEO 7301	Advanced Quantitative Methods in Geography	
SOCI 7307	Advanced Social Statistics	
SOCI 7318	Seminar in Advanced Statistical Applications	
Research Techniques		
Choose 6 hours from the following:		6
ANTH 7308	Cultural Resource Management	
ANTH 7315	Advanced Archaeological Techniques	
ANTH 7326	Technical Methods in Anthropology	
ANTH 7351	GIS in Anthropology	
ANTH 7352	Applied Qualitative Methods	
ANTH 7353	Applied Anthropology Methods	
ANTH 7374	Advanced Human Osteology	
ANTH 7376	Forensic Analysis of Human Skeletal Remains	
Prescribed Electives		
Choose 15 hours from the following:		15
ANTH 7300	Special Topics in Anthropological Methods	
ANTH 7301	Special Topics in Anthropological Studies	
ANTH 7395	Professional Externship	
ANTH 7398	Collaborative Research	
ANTH 7695	Professional Externship	
ANTH 7995	Professional Externship	
BIO 7433	Population Genetics	
CIS 7355	Database Management Systems	
ENG 7314	Specializations in Professional and Technical Communication Topics	
GEO 7361	Advanced Geographic Information Systems	
HIST 7372	Practice of Museum Studies and Public History	
HIST 7373	The Practice of Historic Preservation	
HS 7356	Policy Development in the Healthcare Arena	
MGT 7314	Organizational Behavior and Theory	
MKT 7321	Marketing Management	
PHIL 7355	Philosophy of Science	
Dissertation		
Choose a minimum of 18 hours from the following:		18
ANTH 7199	Dissertation	
ANTH 7299	Dissertation	
ANTH 7399	Dissertation	
ANTH 7599	Dissertation	
ANTH 7699	Dissertation	
ANTH 7999	Dissertation	

Application for Advancement to Candidacy

When all requirements for admission to candidacy have been met (completion of the 36 semester credit hours of required course work, a minimum GPA of 3.3 with no grades less than a "B" in all course work, passing of the comprehensive or qualifying exam, and successful defense of an approved dissertation proposal) the Ph.D. program director forwards the Application for Advancement to Candidacy to the dean of The Graduate College for review and approval. This application form is available on The Graduate College website. Incomplete grades must have been resolved before approval for advancement to candidacy will be granted.

Grade-Point Requirements for Advancement to Candidacy

A minimum GPA of 3.3 on all course work undertaken in the doctoral program is required for admission to candidacy. Grades below a "B" on any graduate course work cannot be applied toward the Ph.D. degree.

Dissertation Proposal

The proposal must explain the anthropological significance of the research, outline the substance and scope of the dissertation research, detail the methodology to be used and survey the relevant literature.

Comprehensive Examination

The comprehensive exam demonstrates that the student has gained mastery over substantive bodies of literature appropriate to the general topic to be addressed in the dissertation. The comprehensive exam will be based on a reading list generated by the student and agreed upon by their committee. The reading list will typically include examples of appropriate methodology, a review of literature in relevant theory, and a critical discussion of the major research question/topic. (However, other themes may also be appropriate.) A reading list will contain between 80 to 100 journal articles and chapters from edited books. An authored book

will be considered the equivalent of 10 articles or book chapters. At least 60% of the reading list will come from journal articles or book chapters from edited books.

The comprehensive exam will be given in the department during two 4-hour time blocks over two consecutive weekdays. The questions for the exam will be created by the student's dissertation committee and based on the student's reading list. The number of questions may vary between 2 to 4 questions per day, but the total number of pages written by the students should not to exceed 20 double-spaced pages per day. The exam will be graded by the dissertation committee and returned within two weeks of the exam date.

Dissertation Enrollment Requirements

After being admitted to candidacy, students must be continuously enrolled for dissertation hours each fall and spring semester until the defense of their dissertation. At least 18 semester credit hours of dissertation research must be taken after having advanced to candidacy. If a student is receiving supervision on the dissertation during the summer or if the student is graduating in the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours (e.g., ANTH 7199) during the semester in which the degree is to be conferred, even if they have already satisfied the minimum dissertation hours.

Dissertation Time Limit

Each Ph.D. student must prepare a written dissertation proposal and defend it orally. This should be done by the time the student has completed 36 semester credit hours of required course work with a 3.3 GPA requirement, identified the dissertation committee, passed the comprehensive or qualifying exam, and successfully defended an approved dissertation proposal. After advancing to candidacy a student should complete their dissertation within five years, keeping in mind the ten-year total time limit. If the proposal defense is not passed, the student will have the option of taking a second and final defense in the following long semester. Students will be dismissed from the program if they do not pass the proposal defense the second time.

Dissertation Committee

The student, in consultation with his/her dissertation advisor, must establish a dissertation committee that will consist of four members, including the student's dissertation committee chair, two other doctoral faculty members from the anthropology department, and one doctoral graduate faculty from another department at Texas State University or from another university. The student's dissertation committee chair will chair the committee. The student, the dissertation committee chair, and the Dean of The Graduate College will approve the composition of the dissertation committee.

Committee Changes

Any change to the dissertation committee must be submitted using the Dissertation Advisor/Committee Member Change Request Form for approval by the dean of The Graduate College. Committee changes must be submitted no later than 60 days before the dissertation defense. The "Dissertation Advisor/Committee Member Change Request form" may be downloaded from The Graduate College's website. The initial dissertation committee chair assignment, and its continuation, is subject to the approval of both parties. A dissertation committee chair can be changed with the approval of a student's assigned dissertation committee chair, a student's new dissertation committee chair, and the Ph.D. program director. If a dissertation committee chair withdraws mentorship, the student must secure a new dissertation committee chair within one long semester to stay on track in the program. Failure to do so will result in dismissal from the program.

Dissertation Proposal

The proposal must explain the anthropological significance of the research, outline the substance and scope of the dissertation research, detail the methodology to be used, and survey the relevant literature.

Dissertation Research and Writing

All doctoral students must complete a dissertation that must represent an original contribution to scholarship based on independent investigation. The style, organization, and mechanics of the dissertation should follow the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*. Referencing guidelines should either follow the American Anthropological Association or the guidelines from an appropriate professional journal, as deemed acceptable by the dissertation committee.

Dissertation Defense

In the semester in which the student intends to graduate, a complete draft of the dissertation must be submitted to the dissertation committee chair 75 days prior, and to the dissertation committee members 45 days prior, to the final date for dissertation defenses (as set by The Graduate College). After the dissertation committee chair and the committee members have reviewed the draft with the student and provided comments, the student will incorporate the recommended changes into a new draft of the dissertation. When the dissertation committee chair and committee members are satisfied that the draft dissertation is defendable, the dissertation defense may be scheduled. A notice of the dissertation defense should be posted in the department 10 days prior to the defense.

The dissertation defense consists of two parts. The first part is a public presentation of the dissertation research. Notice of the defense presentation will be posted at least two weeks in advance. The second part of the defense will immediately follow the public presentation but will be restricted to the student's dissertation committee and entails an oral examination over the dissertation research. Approval of the dissertation requires positive votes from the student's dissertation committee chair and a majority of the members of the dissertation committee. The results are stated on the Dissertation Defense Report form, and it and the Thesis/Dissertation Committee Approval form must be filed in The Graduate College before the Dean of The Graduate College gives final approval to the dissertation.

The student must submit the dissertation to The Graduate College for final approval. Specific guidelines for approval and submission of the dissertation are found in *The Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Approval and Submission of the Dissertation

Following approval and signing of the Thesis/Dissertation Committee Approval form by the members of the dissertation committee, the student must submit one copy of the dissertation to the office of The Graduate College for final approval. Specific guidelines for approval and submission of the dissertation can be obtained from the office of The Graduate College. Dissertations must be submitted in electronic format.

Doctoral level courses in Anthropology: ANTH (p. 1962)

Courses Offered

Anthropology (ANTH)

ANTH 7199. Dissertation.
Original research and writing in Applied Anthropology to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 7299. Dissertation.
Original research and writing in Applied Anthropology to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ANTH 7300A. Methods in Historical Archaeology.
This course is an advanced survey of historical archaeology methods and theories that will intensively examine current trends in historical archaeology. Students will also be exposed to the material culture from historic period archaeological sites in Texas and North America.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 7300B. Histological Analysis of Bone.
Biomechanical adaptations and important metabolic processes, such as growth and development, are recorded in bone microstructure, and can be observable long after death and the decomposition of other tissues. Histological analysis provides a way to access this record, and is therefore integral to research in forensic anthropology, bioarchaeology, and paleopathology.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 7301A. Seminar in Forensic Anthropology.
This seminar course is a critical survey of past and current research by forensic anthropologists. Through intensive review of the literature, students will understand the development of the discipline, current best practices, and new research directions within the field, and master the methods and theory used in forensic skeletal analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 7301B. Primate Conservation.
This course introduces students to the diversity, distribution, and abundance of nonhuman primates. We will use principles from the field of conservation biology to examine the biological, abiotic, and anthropogenic factors related to primate extinction risk. Specifically, we will examine the various threats facing primate populations today, the ways that scientists define and monitor threatened/endangered populations, and the steps that are being taken to increase the likelihood of their survival.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 7302. Teaching Anthropology.
This course is an introduction to key concepts and practices in the teaching of college-level Anthropology. It provides training in the practical aspects of classroom instruction, and is required for first-year teaching assistants. The course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Credit/No Credit

ANTH 7305. Anthropological Statistics.
In this leveling course, students learn basic quantitative statistics, how to evaluate quantitative methods presented in anthropological research papers, and be prepared for more advanced statistical methods classes. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 7308. Cultural Resource Management.
Students will examine topics relevant to cultural resource management (CRM), especially archaeology, but also history, architecture, and cultural anthropology, done in compliance with historic preservation and environmental laws. Topics include the history of CRM, legal and regulatory framework, organization, methods, funding, and ethical and practical dilemmas.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7310. Advanced Theory in Anthropology.
In this course students examine advanced theory in anthropology, drawing from one or more of the sub-disciplines. It includes both historical perspectives and contemporary usages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7311. Seminar in Cultural Anthropology.
In this leveling course, students learn the historical foundations of cultural anthropology, key theories and methods, and examples of contemporary practice. Topics include evolutionism, functionalism, structuralism, ethnoscience, neo-Marxism, postmodernism, modernity, and ethno-racial formation. The course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ANTH 7312. Seminar in Biological Anthropology.
In this leveling course, students learn the historical foundations of biological anthropology, its key theories and methods, and examples of its contemporary practice in evolutionary theory, human variation, paleoanthropology, primatology, and skeletal biology. The course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ANTH 7313. Seminar in Archaeology.
In this leveling course, students learn the historical foundations of archaeology, its key theories and methods, and examples of its contemporary practice in New World and Old World archaeology. The course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ANTH 7315. Advanced Archaeological Techniques.
The focus of this methods course is the analyses of archaeological materials, such as ceramics, lithics, or the images and symbols of pre-historic cultures. This course may be repeated once for credit, but no more than 6 hours will apply towards the doctoral degree.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ANTH 7326. Technical Methods in Anthropology.
Technical field and laboratory methods provide a suite of tools for anthropologists and related disciplines to collect and analyze data from archaeological, bioarchaeological, forensic, and other contexts. This class focuses on practical aspects of data acquisition, analysis, and management for the various instruments (geophysical, geospatial, and imaging).
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7341. Professional Ethics In Anthropology.
Anthropologists face a variety of ethical issues as they engage in research with human and animal subjects. In this course, students will focus on many topics including review boards (IRB, IACUC), collaboration with human groups, bioethics, advocacy and activism, repatriation, intellectual property and publication, cultural heritage preservation, and workplace ethics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7344. Proposal Writing.
In this course, students will develop the expert skills necessary to write competitive research grants and contracts for applied anthropology projects. The goal of this course is for students to write a submission-ready grant to fund their PhD dissertation research. Prerequisite: ANTH 7341 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7351. GIS in Anthropology.
Geographic Information Systems (GIS) provide a suite of tools for anthropologists. This class focuses on practical aspects of GIS for the acquisition, analysis and interpretation of anthropological data. Students will engage in a hands-on approach to learning GIS applications through data acquisition, thematic mapping, data analysis, and spatial analysis.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7352. Applied Qualitative Methods.
Instruction in this course includes methods necessary to conduct applied cultural anthropology research in interdisciplinary settings. Topics include contextual interviewing, diary studies, free listing, pile sorting, panel studies and surveys. Students will also learn how to design methodologies for different types of projects, including rapid qualitative inquiries.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7353. Applied Anthropology Methods.
This class focuses on how anthropology can solve practical problems in various disciplines, including behavioral health, education, human rights, community development, and business. Students will learn about client development, contract negotiations, project design, proposal writing, preparing deliverables, communicating results to a variety of stakeholders, teamwork, networking, and navigating ethical issues.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7374. Advanced Human Osteology.
This course is a detailed study of the human skeleton, with focus on individuals at all life stages. Topics include biomechanics, embryology, and histology. Students will learn to identify hard tissue features and landmarks on whole and fragmentary bones and relate these to the associated soft tissue anatomy.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7376. Forensic Analysis of Human Skeletal Remains.
This course focuses on technical case report writing and evidentiary best practices in forensic anthropological analysis of human skeletal remains. In addition to biological profile estimation techniques, research methods and theoretical foundations used for trauma analysis and taphonomic interpretation will be reviewed. Prerequisite: ANTH 5375 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7395. Professional Externship.
Under the direction of the dissertation advisor, students will conduct supervised work or research, related to their professional development, at a public or private organization. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7397. Directed Research.
Under the direction of the dissertation committee chair, students will prepare for their candidacy exams by developing a reading list of the theory and methods used in their anthropological sub-discipline. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 7398. Collaborative Research.
In this course doctoral students initiate, conduct, and participate in collaborative research with graduate faculty. This course may be repeated once for credit, but not more than 6 hours will apply towards the doctoral degree. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ANTH 7399. Dissertation.
Original research and writing in Applied Anthropology to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ANTH 7599. Dissertation.
Original research and writing in Applied Anthropology to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ANTH 7695. Professional Externship.
Under the direction of the dissertation advisor, students will conduct supervised work or research, related to their professional development, at a public or private organization. Prerequisite: Instructor approval.
6 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7699. Dissertation.
Original research and writing in Applied Anthropology to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ANTH 7995. Professional Externship.
Under the direction of the dissertation advisor, students will conduct supervised work or research, related to their professional development, at a public or private organization. Prerequisite: Instructor approval.
9 Credit Hours. 1 Lecture Contact Hour. 40 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7999. Dissertation.
Original research and writing in Applied Anthropology to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Anthropology (Archaeology Concentration)

Major Program

The purpose of the Master of Arts (M.A.) degree with a major in Anthropology at Texas State is to

1. give students the highest quality graduate-level education possible,
2. provide students interested in continuing their graduate education in Anthropology at the Ph.D. level the appropriate basis to successfully compete for entrance into top-tier programs,
3. provide students interested in non-academic careers that require, or are facilitated by, an advanced degree in Anthropology the education, tools and training necessary to secure employment, and
4. produce professional, ethical, and productive graduates.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose detailing the student's academic interests in one of the concentrations and identifying possible areas of anthropological research. If applicable, include any crossover areas of research from the other anthropological concentrations.
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Anthropology requires 36 semester credit hours, including a thesis. Students are required to maintain a 3.3 cumulative grade-point average (GPA) for all courses listed as Course Requirements.

Course Requirements

Code	Title	Hours
Required Courses		
ANTH 5311	Seminar in Cultural Anthropology	3
ANTH 5312	Seminar in Biological Anthropology	3
ANTH 5313	Seminar in Archaeology	3
Concentration		
ANTH 5305	Anthropological Statistics	3
ANTH 5306	Anthropology and Art	3
ANTH 5315	Archaeological Artifact Identification and Analysis	3
Electives		
Choose 12 hours from the following:		12
ANTH 5301	Advanced Principles of Cultural Anthropology	
ANTH 5303	Speech Analysis	
ANTH 5304	Sociolinguistics	
ANTH 5305	Anthropological Statistics	
ANTH 5306	Anthropology and Art	
ANTH 5307	History of Evolutionary Thought	
ANTH 5308	Cultural Resource Management and Archaeology	
ANTH 5309	Culture, Medicine and the Body	
ANTH 5310	Theories and Issues in Anthropology	
ANTH 5314	Latin American Cultures	
ANTH 5315	Archaeological Artifact Identification and Analysis	
ANTH 5316	The Origin and Evolution of Human Behavior	
ANTH 5317	Rock Art Field Methods	
ANTH 5318	Texas Archaeology	
ANTH 5320	Rise of Civilization	
ANTH 5321	Seminar in Forensic Anthropology	
ANTH 5322	Peoples and Cultures of Africa	
ANTH 5324	Mexican American Culture	
ANTH 5325	Medical Anthropology	
ANTH 5326	Field Methods in Forensic Anthropology	
ANTH 5327	Anthropology of Religion and Fundamentalism	
ANTH 5328	Primate Cognition	
ANTH 5329	Comparative Juvenile Behavior	
ANTH 5330	Curation of Archaeological Materials	
ANTH 5332	Myths and Mound Builders	
ANTH 5333	Research Design in Biological Anthropology	
ANTH 5335	The Anthropology of Native American Belief Systems	
ANTH 5336	Community Research Project	
ANTH 5337	Theory in Linguistics Anthropology	
ANTH 5338	Geoarchaeology	
ANTH 5339	Theoretical Concepts in Archaeology	
ANTH 5340	Paleoanthropology	
ANTH 5341	Gross Anatomy	
ANTH 5342	Primate Behavior	
ANTH 5343	Human Variation & Adaptation	
ANTH 5345	Archaeology of Mexico	
ANTH 5347	Archaeology of North America	
ANTH 5349	The Incas	
ANTH 5350	Gender and Sexuality in Cross Cultural Perspective	
ANTH 5351	Anthropology of Peace and Violence	
ANTH 5355	Seminar in Culture Theory	
ANTH 5356	Andean Civilizations	
ANTH 5360	Economic Anthropology	
ANTH 5361	Qualitative Methods	
ANTH 5363	The Art and Archaeology of the Olmec	
ANTH 5373G	Research Design and Proposal Writing in Cultural Anthropology	
ANTH 5374Y	Human Evolutionary Anatomy	
ANTH 5374Z	Curation of Archaeological Materials	
ANTH 5375	Advanced Methods in Skeletal Biology, Part I	
ANTH 5376	Advanced Methods in Skeletal Biology, Part II	
ANTH 5380	Seminar in Anthropological Research	
ANTH 5381	Paleopathology	
ANTH 5390	Directed Study	
ANTH 5395	Internship	
May choose 6 hours of advisor-approved electives outside the department		
Thesis		
ANTH 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
ANTH 5199B	Thesis	
ANTH 5299B	Thesis	
ANTH 5399B	Thesis	
ANTH 5599B	Thesis	
ANTH 5999B	Thesis	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Anthropology: ANTH

Courses Offered

Anthropology (ANTH)

ANTH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5301. Advanced Principles of Cultural Anthropology.
This course is an ethnographically-based analysis of major theoretical positions and debates in contemporary anthropology. (Stacked course with ANTH 3301.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5302. Practicum in Teaching Anthropology.
An introduction to key concepts and practices in the teaching of college-level Anthropology. The course provides training in the practical aspects of classroom instruction. Required for first-year teaching and instructional assistants in the Anthropology Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ANTH 5303. Speech Analysis.
The focus of this course is the analysis of human speech sounds. It includes description of the acoustic properties of speech sounds, transcription of sounds using the International Phonetic Alphabet system, an understanding of the acoustic theories of speech, and practical experience in forensic speakers' identification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5304. Sociolinguistics.
The focus of this course is on the complex interrelationships between language and other aspects of culture. Methods of sociolinguistics, theories of sociolinguistics, and current issues regarding the nature of language variation and change will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5305. Anthropological Statistics.
In this course students will learn how to statistically analyze anthropological data. Students will gain a firm understanding of basic quantitative statistics, will be able to evaluate quantitative methods presented in anthropological research papers, and will be prepared for classes in more advanced statistical methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5306. Anthropology and Art.
In this course students will investigate the function of art and symbolism in pre-literate archaeological cultures that existed at the tribal and chiefdom levels of political and social development. A multidisciplinary focus will use anthropology and art historical approaches as research tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5307. History of Evolutionary Thought.
This course discusses the impact of evolutionary discourse within the context of its history. Students will develop a thorough understanding of evolution and its importance to anthropology, as well as to other scientific disciplines.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5308. Cultural Resource Management and Archaeology.
In this course students will examine various topics relevant to cultural resource management including state and federal laws, survey, testing, mitigation, and developing final reports.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5309. Culture, Medicine and the Body.
This course explores how the human body, functions of the body, and the practices of medicine and healing are situated and contextualized within cultural frameworks. Case studies cover body and health-related topics over the life course, from birth to death.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5310. Theories and Issues in Anthropology.
This course explores major theoretical and historical developments in anthropology, highlighting the discipline's unique four-field perspective that includes archaeology, biological and cultural anthropology, and anthropological linguistics. Topics stress the importance of anthropological thought in key scientific discoveries and cultural debates.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5311. Seminar in Cultural Anthropology.
In this course, students will learn the historical foundations of cultural anthropology, its key theories and methods, and examples of its contemporary practice. Topics will include evolutionism, functionalism, structuralism, ethnoscience, neo-Marxism, postmodernism, and modernity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5312. Seminar in Biological Anthropology.
In this course, students will learn the historical foundations of biological anthropology, its key theories and methods, and examples of its contemporary practice in evolutionary theory, human variation, paleoanthropology, primatology, and skeletal biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5313. Seminar in Archaeology.
In this course, students will learn the historical foundations of archaeology, its key theories and methods, and examples of its contemporary practice in New World and Old World archaeology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5314. Latin American Cultures.
Comprehensive study of cultures from Latin America. (Stacked course with ANTH 3314.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5315. Archaeological Artifact Identification and Analysis.
This course will provide students with the skills, knowledge and ability to describe, characterize, and analyze artifacts commonly recovered from archaeological sites. Current theories covering the production and analysis of chipped and ground stone tools, ceramics, bone and other materials will be presented, and scientific analytical methods discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5316. The Origin and Evolution of Human Behavior.
This course presents our current understanding of Old World Paleolithic Archaeology. The origin and evolution of hominid behavior, the initial colonization of the Old World, and the development of modern human behavior will be discussed for each continent. (Stacked course with ANTH 3316).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5317. Rock Art Field Methods.
This course will train students in rock art field methods. They will gain first-hand experience recording rock art sites through photography, field sketches, mapping, and written inventories. Students will generate a visual and written description of the art, which they will use to infer and explain past human behavior. (Stacked course with ANTH 3317).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5318. Texas Archaeology.
This course will present our current understanding of Texas archaeology. The environmental and social contexts of prehistoric, protohistoric, and historic records of Native American and Spanish occupations in Texas are discussed. (Stacked course with ANTH 3318.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5320. Rise of Civilization.
This course examines the components that led to the dynamic state societies in Egypt, Sumeria, the Indus Valley, and China in the Old World and that of the Olmecin Mexico and Chavin in Peru. (Stacked course with ANTH 4320.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5321. Seminar in Forensic Anthropology.
This course is designed as a critical survey of the theory and methodology utilized by forensic anthropologists. Through intensive review of the literature, the student will gain an appreciation for the development of the discipline, the techniques used in forensic skeletal analysis, and new research directions within the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5322. Peoples and Cultures of Africa.
This course is a general introduction to the contemporary peoples and cultures of Africa. Students will examine the social structure, economy, political systems, and religions of African cultures in the context of the radical economic and social transformations affecting the area. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5324. Mexican American Culture.
This course examines the history and cultural practices of Mexican Americans, with a special emphasis on race, class, gender, and sexuality. Topics include historical heritage and transculturation, discrimination, organizations, activism, activism, zoot suits, lowriders, gangs, coloñias, families, marriage, quinceañeras, machismo, domestic violence, gays and lesbians, religious practices, and the arts. (Stacked course with ANTH 3324.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5325. Medical Anthropology.
This course focuses on how illness identities are culturally constructed, how adaptations or maladaptations to local environments affect health, how political and economic forces influence health and health behaviors, and how the practice of medical anthropology can contribute to solving urgent health issues around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5326. Field Methods in Forensic Anthropology.
In this course students will learn how to locate, excavate and recover human remains, associated personal effects, and other materials in order to ensure legal credibility for all recoveries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5327. Anthropology of Religion and Fundamentalism.
This course will examine the phenomenon of fundamentalism in a variety of religious traditions, both present and historical. Students will explore the political and social ramifications of fundamentalism in a world characterized by multiculturalism and globalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5328. Primate Cognition.
This course covers historical and current views of the cognitive abilities of nonhuman primates and humans. (Stacked course with ANTH 3328).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5329. Comparative Juvenile Behavior.
This course will give students a thorough understanding of the comparative method through examples from the development of juvenile animals. It will introduce students to socioecology, neurobiology, and life history markers, with information that they can apply across disciplines.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5330. Curation of Archaeological Materials.
This course provides students with the skills to prepare archaeological materials for curation, which includes the processes and techniques used to stabilize and preserve organic and inorganic materials. This training can be used to gain certification in the field of archaeological curation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5332. Myths and Mound Builders.
This course presents an anthropological approach to the iconography of the Native Americans of the Southeastern Ceremonial Complex. (Stacked course with ANTH 3332.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5333. Research Design in Biological Anthropology.
This course provides students with an introduction to the principles and processes by which research projects in biological anthropology are devised and executed. It focuses on the issues of finding a topic to research, defining its scope and limitations, developing a research bibliography, and elaborating a research design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5335. The Anthropology of Native American Belief Systems.
In this course students use anthropological approaches to investigate past and present Native American belief systems in order to determine the temporal range and evolving complexity of Native American religious and ritual expression.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5336. Community Research Project.
This course gives students the opportunity to conduct hands-on anthropological research on a variety of topics in local or other communities. Students will undertake individualized research projects designed in conjunction with the professor. Students must consult with the professor prior to enrollment to design the research project and receive approval. (Stacked course with ANTH 3336).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5337. Theory in Linguistics Anthropology.
In this course students will be introduced to the major theories of linguistics through reading and discussing classic and contemporary literatures. Particular attention will be given to how the various theories have influenced linguistic anthropology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5338. Geoarchaeology.
This course will provide students with the knowledge and ability to interpret sediments and the nature of sediment accumulation at archaeological sites. The course will provide students with a foundation in sedimentology, natural depositional environments, weathering processes and soil development, stratigraphic analysis, archaeological site formation processes. (Stacked course with ANTH 3338).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5339. Theoretical Concepts in Archaeology.
This course provides a broad survey of theory in archaeology as it is practiced throughout the world. It includes both historical perspectives and contemporary usage.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5340. Paleoanthropology.
Critical review of the human fossil record from the appearance of the earliest hominins to the appearance of modern human forms. (Stacked course with ANTH 3340.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5341. Gross Anatomy.
Students in this course examine the macroscopic structure of organs and soft and hard tissues in the human body. The course is divided into these units: back and thorax, neck and head, and upper and lower limb. Cadaver-based dissection labs accompany lecture topics.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5342. Primate Behavior.
An organized course that examines current research in nonhuman primate studies from an anthropological perspective. (Stacked course with ANTH 3342.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5343. Human Variation and Adaptation.
An organized course that examines human physical variation and adaptation from an evolutionary perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5345. Archaeology of Mexico.
This course examines the development of early huntergatherers through the appearance of agriculture to the rise of civilization in Mesoamerica. (Stacked course with ANTH 3345.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5347. Archaeology of North America.
This course examines human settlement of North America from the end of the Pleistocene to European discovery. (Stacked course with ANTH 3347.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5349. The Incas.
The Incas were the largest Pre-Columbian empire in the Americas. This course will explore the origins of this civilization and how they conquered such a large area of South America. Using archaeological and historic information the class will examine various aspects of Inca society including religion, economics, and kingship. (Stacked course with ANTH 3349).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5350. Gender and Sexuality in Cross Cultural Perspective.
This course examines the relationships between women and men in societies around the world. (Stacked course with ANTH 3350.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5351. Anthropology of Peace and Violence.
This class explores anthropological perspectives on peace and violence. It focuses on understanding violent practices within both traditional and current day societies including everyday violence and warfare. It explores the contributions of social structure, gender, religion, race, and ethnicity to violence. It examines efforts to build peace and reconciliation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5353. Applied Cultural Anthropology.
This class focuses on how anthropology can solve practical problems in various disciplines, including behavioral health, education, human rights, community development, and business. Students will learn about client development, contract negotiations, project design, proposal writing, preparing deliverables, communicating results to a variety of stakeholders, teamwork, networking, and navigating ethical issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5355. Seminar in Culture Theory.
An intensive examination of the principal theoretical positions in cultural anthropology, with an emphasis on the preparation of students with ethnographic analysis and fieldwork. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5356. Andean Civilizations.
This course is a survey of civilizations in the Andean region of South America. Using archaeological data the class will examine cultural developments in the region from the earliest hunters and gatherers to the Inca Empire, the largest state in the Americas at the time of European contact.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5357. Historical Archaeology.
This course is an advanced survey of historical archaeology methods and theories that will intensively examine current trends in historical archaeology. Students will also be exposed to the material culture from historic period archaeological sites in Texas and North America.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 5360. Economic Anthropology.
This course reviews central issues in economic anthropology using both case studies and theoretical writings. Analyzes production, exchange, distribution, consumption, property, economic surplus, and types of economic structure. (Stacked course with ANTH 3360.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5361. Qualitative Methods.
This course provides instruction on qualitative methods and analysis. Students will learn through a combination of lecture and hands-on activities how to design qualitative research projects; collect qualitative data through methods such as interviews, focus groups and observations; analyze this data; and present qualitative results.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 5363. The Art and Archaeology of the Olmec.
This course will present our current understanding of the art and archaeology of the Olmec culture, the earliest known civilization in North America. The Olmec culture is considered the influential foundation for later Mesoamerican civilizations such as the Maya and the Aztec. (Stacked course with ANTH 3363.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5373G. Research Design and Proposal Writing in Cultural Anthropology.
This course will familiarize students with the basic principles and practices of effective research design and proposal writing in cultural anthropology. Students will acquire a practical experience in formulating a feasible and creative research project, performing a rigorous literature review, planning to protect human research subjects, and giving/receiving constructive peer reviews.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5373I. Anthropology in Practice.
This course introduces students to the application of anthropological ideas, methods, and skills in multiple employment sectors. Students will develop key job skills in communication, team work, networking, professional development, and project management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5373J. Dental Anthropology and Oral Biology.
The biological development of the cranio-facial structures will be presented with emphasis on hard tissue anatomy and diseases. Dental traits will be discussed in relation to human evolutionary concepts. Forensic methods that support identification of human remains are emphasized. This course is appropriate for anthropology students and pre-professional dentistry.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5373K. Nonverbal Communication-Gestures.
Communication involves the use of 'invisible' words and gestures, or 'visible actions.' This course focuses on gestures, what they are, how they are used, what role they play in communication and in thinking, and their cultural underpinning. Students will learn the theoretical and methodological issues involved in studying different gestures across societies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5374Y. Human Evolutionary Anatomy.
This course is designed to give students an anatomical background to the study of human evolution with a focus on the comparative anatomy of apes, living humans, and fossil hominins.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ANTH 5374Z. Curation of Archaeological Materials.
This course will examine the phenomenon or fundamentalism in a variety of religious traditions, both present and historical. Students will explore the political and social ramifications of fundamentalism in a world characterized by multiculturalism and globalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ANTH 5375. Advanced Methods in Skeletal Biology, Part I.
This course focuses on laboratory analytical techniques and data collection methods used to estimate the biological profile of modern, historic, or prehistoric human skeletal remains.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5376. Advanced Methods in Skeletal Biology, Part II.
This course focuses on technical case report writing and evidentiary best practices in forensic anthropological analysis of human skeletal remains. In addition to biological profile estimation techniques, research methods and theoretical foundations used for trauma analysis and taphonomic interpretation will be reviewed. Prerequisite: ANTH 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5380. Seminar in Anthropological Research.
A course focused on a topic not normally offered in the regular curriculum. Course may be in any area of anthropological inquiry. May be repeated for credit when topics vary, but not more than 6 hours will apply towards the Master's degree.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5381. Paleopathology.
Paleopathology is the study of ancient diseases and is an important tool for understanding of past populations. In this course we will survey the range of pathology on human skeletons such as trauma, infection, syphilis, tuberculosis, leprosy, anemia, metabolic disturbances, arthritis, and tumors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ANTH 5382. Archaeology of the Earliest Americans.
This course focuses on the scientific story of the first Americans: where they came from, when they arrived, and how they met the challenges of moving across the vast, unknown landscapes of North America. Topics include exploring the hemisphere's oldest sites and how people coped with changing global climates.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5390. Directed Study.
Course of independent study open to individual students at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5395. Internship.
Under the direction of the thesis advisor and/or the internship coordinator, a student will conduct supervised work or research, related to a student's professional development, at a public or private organization. This course may be repeated once for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ANTH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed their thesis proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Anthropology (Biological Anthropology Concentration)

Major Program

The purpose of the Master of Arts (M.A.) degree with a major in Anthropology at Texas State is to

1. give students the highest quality graduate-level education possible,
2. provide students interested in continuing their graduate education in Anthropology at the Ph.D. level the appropriate basis to successfully compete for entrance into top-tier programs,
3. provide students interested in non-academic careers that require, or are facilitated by, an advanced degree in Anthropology the education, tools and training necessary to secure employment, and
4. produce professional, ethical, and productive graduates.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose detailing the student's academic interests in one of the concentrations and identifying possible areas of anthropological research. If applicable, include any crossover areas of research from the other anthropological concentrations.
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Anthropology requires 36 semester credit hours, including a thesis. Students are required to maintain a 3.3 cumulative grade-point average (GPA) for all courses listed as Course Requirements.

Course Requirements

Code	Title	Hours
Required Courses		
ANTH 5311	Seminar in Cultural Anthropology	3
ANTH 5312	Seminar in Biological Anthropology	3
ANTH 5313	Seminar in Archaeology	3
Concentration		
ANTH 5305	Anthropological Statistics	3
ANTH 5333	Research Design in Biological Anthropology	3
Electives		
Choose 15 hours from the following:		15
ANTH 5301	Advanced Principles of Cultural Anthropology	
ANTH 5303	Speech Analysis	
ANTH 5304	Sociolinguistics	
ANTH 5305	Anthropological Statistics	
ANTH 5306	Anthropology and Art	
ANTH 5307	History of Evolutionary Thought	
ANTH 5308	Cultural Resource Management and Archaeology	
ANTH 5309	Culture, Medicine and the Body	
ANTH 5310	Theories and Issues in Anthropology	
ANTH 5314	Latin American Cultures	
ANTH 5315	Archaeological Artifact Identification and Analysis	
ANTH 5316	The Origin and Evolution of Human Behavior	
ANTH 5317	Rock Art Field Methods	
ANTH 5318	Texas Archaeology	
ANTH 5320	Rise of Civilization	
ANTH 5321	Seminar in Forensic Anthropology	
ANTH 5322	Peoples and Cultures of Africa	
ANTH 5324	Mexican American Culture	
ANTH 5325	Medical Anthropology	
ANTH 5326	Field Methods in Forensic Anthropology	
ANTH 5327	Anthropology of Religion and Fundamentalism	
ANTH 5328	Primate Cognition	
ANTH 5329	Comparative Juvenile Behavior	
ANTH 5330	Curation of Archaeological Materials	
ANTH 5332	Myths and Mound Builders	
ANTH 5333	Research Design in Biological Anthropology	
ANTH 5335	The Anthropology of Native American Belief Systems	

ANTH 5336	Community Research Project	
ANTH 5337	Theory in Linguistics Anthropology	
ANTH 5338	Geoarchaeology	
ANTH 5339	Theoretical Concepts in Archaeology	
ANTH 5340	Paleoanthropology	
ANTH 5341	Gross Anatomy	
ANTH 5342	Primate Behavior	
ANTH 5343	Human Variation & Adaptation	
ANTH 5345	Archaeology of Mexico	
ANTH 5347	Archaeology of North America	
ANTH 5349	The Incas	
ANTH 5350	Gender and Sexuality in Cross Cultural Perspective	
ANTH 5351	Anthropology of Peace and Violence	
ANTH 5355	Seminar in Culture Theory	
ANTH 5356	Andean Civilizations	
ANTH 5360	Economic Anthropology	
ANTH 5361	Qualitative Methods	
ANTH 5363	The Art and Archaeology of the Olmec	
ANTH 5373G	Research Design and Proposal Writing in Cultural Anthropology	
ANTH 5374Y	Human Evolutionary Anatomy	
ANTH 5374Z	Curation of Archaeological Materials	
ANTH 5375	Advanced Methods in Skeletal Biology, Part I	
ANTH 5376	Advanced Methods in Skeletal Biology, Part II	
ANTH 5380	Seminar in Anthropological Research	
ANTH 5381	Paleopathology	
ANTH 5390	Directed Study	
ANTH 5395	Internship	
May choose 6 hours of advisor-approved electives outside the department.		
Thesis		
ANTH 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
ANTH 5199B	Thesis	
ANTH 5299B	Thesis	
ANTH 5399B	Thesis	
ANTH 5599B	Thesis	
ANTH 5999B	Thesis	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until

the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Anthropology: ANTH

Courses Offered

Anthropology (ANTH)

ANTH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5301. Advanced Principles of Cultural Anthropology.
This course is an ethnographically-based analysis of major theoretical positions and debates in contemporary anthropology. (Stacked course with ANTH 3301.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5302. Practicum in Teaching Anthropology.
An introduction to key concepts and practices in the teaching of college-level Anthropology. The course provides training in the practical aspects of classroom instruction. Required for first-year teaching and instructional assistants in the Anthropology Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ANTH 5303. Speech Analysis.
The focus of this course is the analysis of human speech sounds. It includes description of the acoustic properties of speech sounds, transcription of sounds using the International Phonetic Alphabet system, an understanding of the acoustic theories of speech, and practical experience in forensic speakers' identification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5304. Sociolinguistics.
The focus of this course is on the complex interrelationships between language and other aspects of culture. Methods of sociolinguistics, theories of sociolinguistics, and current issues regarding the nature of language variation and change will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5305. Anthropological Statistics.
In this course students will learn how to statistically analyze anthropological data. Students will gain a firm understanding of basic quantitative statistics, will be able to evaluate quantitative methods presented in anthropological research papers, and will be prepared for classes in more advanced statistical methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5306. Anthropology and Art.
In this course students will investigate the function of art and symbolism in pre-literate archaeological cultures that existed at the tribal and chiefdom levels of political and social development. A multidisciplinary focus will use anthropology and art historical approaches as research tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5307. History of Evolutionary Thought.
This course discusses the impact of evolutionary discourse within the context of its history. Students will develop a thorough understanding of evolution and its importance to anthropology, as well as to other scientific disciplines.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5308. Cultural Resource Management and Archaeology.
In this course students will examine various topics relevant to cultural resource management including state and federal laws, survey, testing, mitigation, and developing final reports.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5309. Culture, Medicine and the Body.
This course explores how the human body, functions of the body, and the practices of medicine and healing are situated and contextualized within cultural frameworks. Case studies cover body and health-related topics over the life course, from birth to death.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5310. Theories and Issues in Anthropology.
This course explores major theoretical and historical developments in anthropology, highlighting the discipline's unique four-field perspective that includes archaeology, biological and cultural anthropology, and anthropological linguistics. Topics stress the importance of anthropological thought in key scientific discoveries and cultural debates.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5311. Seminar in Cultural Anthropology.
In this course, students will learn the historical foundations of cultural anthropology, its key theories and methods, and examples of its contemporary practice. Topics will include evolutionism, functionalism, structuralism, ethnoscience, neo-Marxism, postmodernism, and modernity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5312. Seminar in Biological Anthropology.
In this course, students will learn the historical foundations of biological anthropology, its key theories and methods, and examples of its contemporary practice in evolutionary theory, human variation, paleoanthropology, primatology, and skeletal biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5313. Seminar in Archaeology.
In this course, students will learn the historical foundations of archaeology, its key theories and methods, and examples of its contemporary practice in New World and Old World archaeology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5314. Latin American Cultures.
Comprehensive study of cultures from Latin America. (Stacked course with ANTH 3314.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5315. Archaeological Artifact Identification and Analysis.
This course will provide students with the skills, knowledge and ability to describe, characterize, and analyze artifacts commonly recovered from archaeological sites. Current theories covering the production and analysis of chipped and ground stone tools, ceramics, bone and other materials will be presented, and scientific analytical methods discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5316. The Origin and Evolution of Human Behavior.
This course presents our current understanding of Old World Paleolithic Archaeology. The origin and evolution of hominid behavior, the initial colonization of the Old World, and the development of modern human behavior will be discussed for each continent. (Stacked course with ANTH 3316).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5317. Rock Art Field Methods.
This course will train students in rock art field methods. They will gain first-hand experience recording rock art sites through photography, field sketches, mapping, and written inventories. Students will generate a visual and written description of the art, which they will use to infer and explain past human behavior. (Stacked course with ANTH 3317).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5318. Texas Archaeology.
This course will present our current understanding of Texas archaeology. The environmental and social contexts of prehistoric, protohistoric, and historic records of Native American and Spanish occupations in Texas are discussed. (Stacked course with ANTH 3318.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5320. Rise of Civilization.
This course examines the components that led to the dynamic state societies in Egypt, Sumeria, the Indus Valley, and China in the Old World and that of the Olmecin Mexico and Chavin in Peru. (Stacked course with ANTH 4320.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5321. Seminar in Forensic Anthropology.
This course is designed as a critical survey of the theory and methodology utilized by forensic anthropologists. Through intensive review of the literature, the student will gain an appreciation for the development of the discipline, the techniques used in forensic skeletal analysis, and new research directions within the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5322. Peoples and Cultures of Africa.
This course is a general introduction to the contemporary peoples and cultures of Africa. Students will examine the social structure, economy, political systems, and religions of African cultures in the context of the radical economic and social transformations affecting the area. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5324. Mexican American Culture.
This course examines the history and cultural practices of Mexican Americans, with a special emphasis on race, class, gender, and sexuality. Topics include historical heritage and transculturation, discrimination, organizations, activism, activism, zoot suits, lowriders, gangs, coloñias, families, marriage, quinceañeras, machismo, domestic violence, gays and lesbians, religious practices, and the arts. (Stacked course with ANTH 3324.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5325. Medical Anthropology.
This course focuses on how illness identities are culturally constructed, how adaptations or maladaptations to local environments affect health, how political and economic forces influence health and health behaviors, and how the practice of medical anthropology can contribute to solving urgent health issues around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5326. Field Methods in Forensic Anthropology.
In this course students will learn how to locate, excavate and recover human remains, associated personal effects, and other materials in order to ensure legal credibility for all recoveries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5327. Anthropology of Religion and Fundamentalism.
This course will examine the phenomenon of fundamentalism in a variety of religious traditions, both present and historical. Students will explore the political and social ramifications of fundamentalism in a world characterized by multiculturalism and globalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5328. Primate Cognition.
This course covers historical and current views of the cognitive abilities of nonhuman primates and humans. (Stacked course with ANTH 3328).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5329. Comparative Juvenile Behavior.
This course will give students a thorough understanding of the comparative method through examples from the development of juvenile animals. It will introduce students to socioecology, neurobiology, and life history markers, with information that they can apply across disciplines.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5330. Curation of Archaeological Materials.
This course provides students with the skills to prepare archaeological materials for curation, which includes the processes and techniques used to stabilize and preserve organic and inorganic materials. This training can be used to gain certification in the field of archaeological curation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5332. Myths and Mound Builders.
This course presents an anthropological approach to the iconography of the Native Americans of the Southeastern Ceremonial Complex. (Stacked course with ANTH 3332.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5333. Research Design in Biological Anthropology.
This course provides students with an introduction to the principles and processes by which research projects in biological anthropology are devised and executed. It focuses on the issues of finding a topic to research, defining its scope and limitations, developing a research bibliography, and elaborating a research design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5335. The Anthropology of Native American Belief Systems.
In this course students use anthropological approaches to investigate past and present Native American belief systems in order to determine the temporal range and evolving complexity of Native American religious and ritual expression.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5336. Community Research Project.
This course gives students the opportunity to conduct hands-on anthropological research on a variety of topics in local or other communities. Students will undertake individualized research projects designed in conjunction with the professor. Students must consult with the professor prior to enrollment to design the research project and receive approval. (Stacked course with ANTH 3336).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5337. Theory in Linguistics Anthropology.
In this course students will be introduced to the major theories of linguistics through reading and discussing classic and contemporary literatures. Particular attention will be given to how the various theories have influenced linguistic anthropology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5338. Geoarchaeology.
This course will provide students with the knowledge and ability to interpret sediments and the nature of sediment accumulation at archaeological sites. The course will provide students with a foundation in sedimentology, natural depositional environments, weathering processes and soil development, stratigraphic analysis, archaeological site formation processes. (Stacked course with ANTH 3338).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5339. Theoretical Concepts in Archaeology.
This course provides a broad survey of theory in archaeology as it is practiced throughout the world. It includes both historical perspectives and contemporary usage.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5340. Paleoanthropology.
Critical review of the human fossil record from the appearance of the earliest hominins to the appearance of modern human forms. (Stacked course with ANTH 3340.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5341. Gross Anatomy.
Students in this course examine the macroscopic structure of organs and soft and hard tissues in the human body. The course is divided into these units: back and thorax, neck and head, and upper and lower limb. Cadaver-based dissection labs accompany lecture topics.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5342. Primate Behavior.
An organized course that examines current research in nonhuman primate studies from an anthropological perspective. (Stacked course with ANTH 3342.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5343. Human Variation and Adaptation.
An organized course that examines human physical variation and adaptation from an evolutionary perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5345. Archaeology of Mexico.
This course examines the development of early huntergatherers through the appearance of agriculture to the rise of civilization in Mesoamerica. (Stacked course with ANTH 3345.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5347. Archaeology of North America.
This course examines human settlement of North America from the end of the Pleistocene to European discovery. (Stacked course with ANTH 3347.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5349. The Incas.
The Incas were the largest Pre-Columbian empire in the Americas. This course will explore the origins of this civilization and how they conquered such a large area of South America. Using archaeological and historic information the class will examine various aspects of Inca society including religion, economics, and kingship. (Stacked course with ANTH 3349).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5350. Gender and Sexuality in Cross Cultural Perspective.
This course examines the relationships between women and men in societies around the world. (Stacked course with ANTH 3350.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5351. Anthropology of Peace and Violence.
This class explores anthropological perspectives on peace and violence. It focuses on understanding violent practices within both traditional and current day societies including everyday violence and warfare. It explores the contributions of social structure, gender, religion, race, and ethnicity to violence. It examines efforts to build peace and reconciliation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5353. Applied Cultural Anthropology.
This class focuses on how anthropology can solve practical problems in various disciplines, including behavioral health, education, human rights, community development, and business. Students will learn about client development, contract negotiations, project design, proposal writing, preparing deliverables, communicating results to a variety of stakeholders, teamwork, networking, and navigating ethical issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5355. Seminar in Culture Theory.
An intensive examination of the principal theoretical positions in cultural anthropology, with an emphasis on the preparation of students with ethnographic analysis and fieldwork. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5356. Andean Civilizations.
This course is a survey of civilizations in the Andean region of South America. Using archaeological data the class will examine cultural developments in the region from the earliest hunters and gatherers to the Inca Empire, the largest state in the Americas at the time of European contact.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5357. Historical Archaeology.
This course is an advanced survey of historical archaeology methods and theories that will intensively examine current trends in historical archaeology. Students will also be exposed to the material culture from historic period archaeological sites in Texas and North America.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 5360. Economic Anthropology.
This course reviews central issues in economic anthropology using both case studies and theoretical writings. Analyzes production, exchange, distribution, consumption, property, economic surplus, and types of economic structure. (Stacked course with ANTH 3360.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5361. Qualitative Methods.
This course provides instruction on qualitative methods and analysis. Students will learn through a combination of lecture and hands-on activities how to design qualitative research projects; collect qualitative data through methods such as interviews, focus groups and observations; analyze this data; and present qualitative results.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 5363. The Art and Archaeology of the Olmec.
This course will present our current understanding of the art and archaeology of the Olmec culture, the earliest known civilization in North America. The Olmec culture is considered the influential foundation for later Mesoamerican civilizations such as the Maya and the Aztec. (Stacked course with ANTH 3363.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5373G. Research Design and Proposal Writing in Cultural Anthropology.
This course will familiarize students with the basic principles and practices of effective research design and proposal writing in cultural anthropology. Students will acquire a practical experience in formulating a feasible and creative research project, performing a rigorous literature review, planning to protect human research subjects, and giving/receiving constructive peer reviews.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5373I. Anthropology in Practice.
This course introduces students to the application of anthropological ideas, methods, and skills in multiple employment sectors. Students will develop key job skills in communication, team work, networking, professional development, and project management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5373J. Dental Anthropology and Oral Biology.
The biological development of the cranio-facial structures will be presented with emphasis on hard tissue anatomy and diseases. Dental traits will be discussed in relation to human evolutionary concepts. Forensic methods that support identification of human remains are emphasized. This course is appropriate for anthropology students and pre-professional dentistry.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5373K. Nonverbal Communication-Gestures.
Communication involves the use of 'invisible' words and gestures, or 'visible actions.' This course focuses on gestures, what they are, how they are used, what role they play in communication and in thinking, and their cultural underpinning. Students will learn the theoretical and methodological issues involved in studying different gestures across societies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5374Y. Human Evolutionary Anatomy.
This course is designed to give students an anatomical background to the study of human evolution with a focus on the comparative anatomy of apes, living humans, and fossil hominins.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ANTH 5374Z. Curation of Archaeological Materials.
This course will examine the phenomenon or fundamentalism in a variety of religious traditions, both present and historical. Students will explore the political and social ramifications of fundamentalism in a world characterized by multiculturalism and globalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ANTH 5375. Advanced Methods in Skeletal Biology, Part I.
This course focuses on laboratory analytical techniques and data collection methods used to estimate the biological profile of modern, historic, or prehistoric human skeletal remains.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5376. Advanced Methods in Skeletal Biology, Part II.
This course focuses on technical case report writing and evidentiary best practices in forensic anthropological analysis of human skeletal remains. In addition to biological profile estimation techniques, research methods and theoretical foundations used for trauma analysis and taphonomic interpretation will be reviewed. Prerequisite: ANTH 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5380. Seminar in Anthropological Research.
A course focused on a topic not normally offered in the regular curriculum. Course may be in any area of anthropological inquiry. May be repeated for credit when topics vary, but not more than 6 hours will apply towards the Master's degree.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5381. Paleopathology.
Paleopathology is the study of ancient diseases and is an important tool for understanding of past populations. In this course we will survey the range of pathology on human skeletons such as trauma, infection, syphilis, tuberculosis, leprosy, anemia, metabolic disturbances, arthritis, and tumors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ANTH 5382. Archaeology of the Earliest Americans.
This course focuses on the scientific story of the first Americans: where they came from, when they arrived, and how they met the challenges of moving across the vast, unknown landscapes of North America. Topics include exploring the hemisphere's oldest sites and how people coped with changing global climates.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5390. Directed Study.
Course of independent study open to individual students at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5395. Internship.
Under the direction of the thesis advisor and/or the internship coordinator, a student will conduct supervised work or research, related to a student's professional development, at a public or private organization. This course may be repeated once for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ANTH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed their thesis proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Anthropology (Cultural Anthropology Concentration)

The purpose of the Master of Arts (M.A.) degree with a major in Anthropology at Texas State is to

1. give students the highest quality graduate-level education possible,
2. provide students interested in continuing their graduate education in Anthropology at the Ph.D. level the appropriate basis to successfully compete for entrance into top-tier programs,
3. provide students interested in non-academic careers that require, or are facilitated by, an advanced degree in Anthropology the education, tools and training necessary to secure employment, and
4. produce professional, ethical, and productive graduates.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose detailing the student's academic interests in one of the concentrations and identifying possible areas of anthropological research. If applicable, include any crossover areas of research from the other anthropological concentrations.
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Anthropology concentration in Cultural Anthropology requires 36 semester credit hours, including a thesis. Students are required to maintain a 3.3 cumulative grade-point average (GPA) for all courses listed as Course Requirements.

Course Requirements

Code	Title	Hours
Required Courses		
ANTH 5311	Seminar in Cultural Anthropology	3
ANTH 5312	Seminar in Biological Anthropology	3
ANTH 5313	Seminar in Archaeology	3
Concentration		
ANTH 5361	Qualitative Methods	3
Electives		
Choose 18 hours from the following:		18
ANTH 5301	Advanced Principles of Cultural Anthropology	
ANTH 5303	Speech Analysis	
ANTH 5304	Sociolinguistics	
ANTH 5305	Anthropological Statistics	
ANTH 5306	Anthropology and Art	
ANTH 5307	History of Evolutionary Thought	
ANTH 5308	Cultural Resource Management and Archaeology	
ANTH 5309	Culture, Medicine and the Body	
ANTH 5310	Theories and Issues in Anthropology	
ANTH 5314	Latin American Cultures	
ANTH 5315	Archaeological Artifact Identification and Analysis	
ANTH 5316	The Origin and Evolution of Human Behavior	
ANTH 5317	Rock Art Field Methods	
ANTH 5318	Texas Archaeology	
ANTH 5320	Rise of Civilization	
ANTH 5321	Seminar in Forensic Anthropology	
ANTH 5322	Peoples and Cultures of Africa	
ANTH 5324	Mexican American Culture	
ANTH 5325	Medical Anthropology	
ANTH 5326	Field Methods in Forensic Anthropology	
ANTH 5327	Anthropology of Religion and Fundamentalism	
ANTH 5328	Primate Cognition	
ANTH 5329	Comparative Juvenile Behavior	
ANTH 5330	Curation of Archaeological Materials	
ANTH 5332	Myths and Mound Builders	
ANTH 5333	Research Design in Biological Anthropology	
ANTH 5335	The Anthropology of Native American Belief Systems	
ANTH 5336	Community Research Project	
ANTH 5337	Theory in Linguistics Anthropology	
ANTH 5338	Geoarchaeology	
ANTH 5339	Theoretical Concepts in Archaeology	
ANTH 5340	Paleoanthropology	
ANTH 5341	Gross Anatomy	
ANTH 5342	Primate Behavior	
ANTH 5343	Human Variation & Adaptation	
ANTH 5345	Archaeology of Mexico	
ANTH 5347	Archaeology of North America	
ANTH 5349	The Incas	
ANTH 5350	Gender and Sexuality in Cross Cultural Perspective	
ANTH 5351	Anthropology of Peace and Violence	
ANTH 5355	Seminar in Culture Theory	
ANTH 5356	Andean Civilizations	
ANTH 5360	Economic Anthropology	
ANTH 5361	Qualitative Methods	
ANTH 5373G	Research Design and Proposal Writing in Cultural Anthropology	
ANTH 5374Y	Human Evolutionary Anatomy	
ANTH 5374Z	Curation of Archaeological Materials	
ANTH 5375	Advanced Methods in Skeletal Biology, Part I	
ANTH 5376	Advanced Methods in Skeletal Biology, Part II	
ANTH 5380	Seminar in Anthropological Research	
ANTH 5381	Paleopathology	
ANTH 5390	Directed Study	
ANTH 5395	Internship	
ANTH 5363	The Art and Archaeology of the Olmec	
May choose 6 hours of advisor-approved electives outside the department.		
Thesis		
ANTH 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
ANTH 5199B	Thesis	
ANTH 5299B	Thesis	
ANTH 5399B	Thesis	
ANTH 5599B	Thesis	
ANTH 5999B	Thesis	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her

thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Anthropology: ANTH

Courses Offered

Anthropology (ANTH)

ANTH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5301. Advanced Principles of Cultural Anthropology.
This course is an ethnographically-based analysis of major theoretical positions and debates in contemporary anthropology. (Stacked course with ANTH 3301.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5302. Practicum in Teaching Anthropology.
An introduction to key concepts and practices in the teaching of college-level Anthropology. The course provides training in the practical aspects of classroom instruction. Required for first-year teaching and instructional assistants in the Anthropology Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ANTH 5303. Speech Analysis.
The focus of this course is the analysis of human speech sounds. It includes description of the acoustic properties of speech sounds, transcription of sounds using the International Phonetic Alphabet system, an understanding of the acoustic theories of speech, and practical experience in forensic speakers' identification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5304. Sociolinguistics.
The focus of this course is on the complex interrelationships between language and other aspects of culture. Methods of sociolinguistics, theories of sociolinguistics, and current issues regarding the nature of language variation and change will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5305. Anthropological Statistics.
In this course students will learn how to statistically analyze anthropological data. Students will gain a firm understanding of basic quantitative statistics, will be able to evaluate quantitative methods presented in anthropological research papers, and will be prepared for classes in more advanced statistical methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5306. Anthropology and Art.
In this course students will investigate the function of art and symbolism in pre-literate archaeological cultures that existed at the tribal and chiefdom levels of political and social development. A multidisciplinary focus will use anthropology and art historical approaches as research tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5307. History of Evolutionary Thought.
This course discusses the impact of evolutionary discourse within the context of its history. Students will develop a thorough understanding of evolution and its importance to anthropology, as well as to other scientific disciplines.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5308. Cultural Resource Management and Archaeology.
In this course students will examine various topics relevant to cultural resource management including state and federal laws, survey, testing, mitigation, and developing final reports.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5309. Culture, Medicine and the Body.
This course explores how the human body, functions of the body, and the practices of medicine and healing are situated and contextualized within cultural frameworks. Case studies cover body and health-related topics over the life course, from birth to death.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5310. Theories and Issues in Anthropology.
This course explores major theoretical and historical developments in anthropology, highlighting the discipline's unique four-field perspective that includes archaeology, biological and cultural anthropology, and anthropological linguistics. Topics stress the importance of anthropological thought in key scientific discoveries and cultural debates.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5311. Seminar in Cultural Anthropology.
In this course, students will learn the historical foundations of cultural anthropology, its key theories and methods, and examples of its contemporary practice. Topics will include evolutionism, functionalism, structuralism, ethnoscience, neo-Marxism, postmodernism, and modernity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5312. Seminar in Biological Anthropology.
In this course, students will learn the historical foundations of biological anthropology, its key theories and methods, and examples of its contemporary practice in evolutionary theory, human variation, paleoanthropology, primatology, and skeletal biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5313. Seminar in Archaeology.
In this course, students will learn the historical foundations of archaeology, its key theories and methods, and examples of its contemporary practice in New World and Old World archaeology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5314. Latin American Cultures.
Comprehensive study of cultures from Latin America. (Stacked course with ANTH 3314.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5315. Archaeological Artifact Identification and Analysis.
This course will provide students with the skills, knowledge and ability to describe, characterize, and analyze artifacts commonly recovered from archaeological sites. Current theories covering the production and analysis of chipped and ground stone tools, ceramics, bone and other materials will be presented, and scientific analytical methods discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5316. The Origin and Evolution of Human Behavior.
This course presents our current understanding of Old World Paleolithic Archaeology. The origin and evolution of hominid behavior, the initial colonization of the Old World, and the development of modern human behavior will be discussed for each continent. (Stacked course with ANTH 3316).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5317. Rock Art Field Methods.
This course will train students in rock art field methods. They will gain first-hand experience recording rock art sites through photography, field sketches, mapping, and written inventories. Students will generate a visual and written description of the art, which they will use to infer and explain past human behavior. (Stacked course with ANTH 3317).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5318. Texas Archaeology.
This course will present our current understanding of Texas archaeology. The environmental and social contexts of prehistoric, protohistoric, and historic records of Native American and Spanish occupations in Texas are discussed. (Stacked course with ANTH 3318.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5320. Rise of Civilization.
This course examines the components that led to the dynamic state societies in Egypt, Sumeria, the Indus Valley, and China in the Old World and that of the Olmecin Mexico and Chavin in Peru. (Stacked course with ANTH 4320.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5321. Seminar in Forensic Anthropology.
This course is designed as a critical survey of the theory and methodology utilized by forensic anthropologists. Through intensive review of the literature, the student will gain an appreciation for the development of the discipline, the techniques used in forensic skeletal analysis, and new research directions within the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5322. Peoples and Cultures of Africa.
This course is a general introduction to the contemporary peoples and cultures of Africa. Students will examine the social structure, economy, political systems, and religions of African cultures in the context of the radical economic and social transformations affecting the area. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5324. Mexican American Culture.
This course examines the history and cultural practices of Mexican Americans, with a special emphasis on race, class, gender, and sexuality. Topics include historical heritage and transculturation, discrimination, organizations, activism, activism, zoot suits, lowriders, gangs, coloñias, families, marriage, quinceañeras, machismo, domestic violence, gays and lesbians, religious practices, and the arts. (Stacked course with ANTH 3324.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5325. Medical Anthropology.
This course focuses on how illness identities are culturally constructed, how adaptations or maladaptations to local environments affect health, how political and economic forces influence health and health behaviors, and how the practice of medical anthropology can contribute to solving urgent health issues around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5326. Field Methods in Forensic Anthropology.
In this course students will learn how to locate, excavate and recover human remains, associated personal effects, and other materials in order to ensure legal credibility for all recoveries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5327. Anthropology of Religion and Fundamentalism.
This course will examine the phenomenon of fundamentalism in a variety of religious traditions, both present and historical. Students will explore the political and social ramifications of fundamentalism in a world characterized by multiculturalism and globalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5328. Primate Cognition.
This course covers historical and current views of the cognitive abilities of nonhuman primates and humans. (Stacked course with ANTH 3328).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5329. Comparative Juvenile Behavior.
This course will give students a thorough understanding of the comparative method through examples from the development of juvenile animals. It will introduce students to socioecology, neurobiology, and life history markers, with information that they can apply across disciplines.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5330. Curation of Archaeological Materials.
This course provides students with the skills to prepare archaeological materials for curation, which includes the processes and techniques used to stabilize and preserve organic and inorganic materials. This training can be used to gain certification in the field of archaeological curation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5332. Myths and Mound Builders.
This course presents an anthropological approach to the iconography of the Native Americans of the Southeastern Ceremonial Complex. (Stacked course with ANTH 3332.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5333. Research Design in Biological Anthropology.
This course provides students with an introduction to the principles and processes by which research projects in biological anthropology are devised and executed. It focuses on the issues of finding a topic to research, defining its scope and limitations, developing a research bibliography, and elaborating a research design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5335. The Anthropology of Native American Belief Systems.
In this course students use anthropological approaches to investigate past and present Native American belief systems in order to determine the temporal range and evolving complexity of Native American religious and ritual expression.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5336. Community Research Project.
This course gives students the opportunity to conduct hands-on anthropological research on a variety of topics in local or other communities. Students will undertake individualized research projects designed in conjunction with the professor. Students must consult with the professor prior to enrollment to design the research project and receive approval. (Stacked course with ANTH 3336).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5337. Theory in Linguistics Anthropology.
In this course students will be introduced to the major theories of linguistics through reading and discussing classic and contemporary literatures. Particular attention will be given to how the various theories have influenced linguistic anthropology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5338. Geoarchaeology.
This course will provide students with the knowledge and ability to interpret sediments and the nature of sediment accumulation at archaeological sites. The course will provide students with a foundation in sedimentology, natural depositional environments, weathering processes and soil development, stratigraphic analysis, archaeological site formation processes. (Stacked course with ANTH 3338).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5339. Theoretical Concepts in Archaeology.
This course provides a broad survey of theory in archaeology as it is practiced throughout the world. It includes both historical perspectives and contemporary usage.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5340. Paleoanthropology.
Critical review of the human fossil record from the appearance of the earliest hominins to the appearance of modern human forms. (Stacked course with ANTH 3340.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5341. Gross Anatomy.
Students in this course examine the macroscopic structure of organs and soft and hard tissues in the human body. The course is divided into these units: back and thorax, neck and head, and upper and lower limb. Cadaver-based dissection labs accompany lecture topics.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5342. Primate Behavior.
An organized course that examines current research in nonhuman primate studies from an anthropological perspective. (Stacked course with ANTH 3342.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5343. Human Variation and Adaptation.
An organized course that examines human physical variation and adaptation from an evolutionary perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5345. Archaeology of Mexico.
This course examines the development of early huntergatherers through the appearance of agriculture to the rise of civilization in Mesoamerica. (Stacked course with ANTH 3345.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5347. Archaeology of North America.
This course examines human settlement of North America from the end of the Pleistocene to European discovery. (Stacked course with ANTH 3347.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5349. The Incas.
The Incas were the largest Pre-Columbian empire in the Americas. This course will explore the origins of this civilization and how they conquered such a large area of South America. Using archaeological and historic information the class will examine various aspects of Inca society including religion, economics, and kingship. (Stacked course with ANTH 3349).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5350. Gender and Sexuality in Cross Cultural Perspective.
This course examines the relationships between women and men in societies around the world. (Stacked course with ANTH 3350.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5351. Anthropology of Peace and Violence.
This class explores anthropological perspectives on peace and violence. It focuses on understanding violent practices within both traditional and current day societies including everyday violence and warfare. It explores the contributions of social structure, gender, religion, race, and ethnicity to violence. It examines efforts to build peace and reconciliation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5353. Applied Cultural Anthropology.
This class focuses on how anthropology can solve practical problems in various disciplines, including behavioral health, education, human rights, community development, and business. Students will learn about client development, contract negotiations, project design, proposal writing, preparing deliverables, communicating results to a variety of stakeholders, teamwork, networking, and navigating ethical issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5355. Seminar in Culture Theory.
An intensive examination of the principal theoretical positions in cultural anthropology, with an emphasis on the preparation of students with ethnographic analysis and fieldwork. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5356. Andean Civilizations.
This course is a survey of civilizations in the Andean region of South America. Using archaeological data the class will examine cultural developments in the region from the earliest hunters and gatherers to the Inca Empire, the largest state in the Americas at the time of European contact.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5357. Historical Archaeology.
This course is an advanced survey of historical archaeology methods and theories that will intensively examine current trends in historical archaeology. Students will also be exposed to the material culture from historic period archaeological sites in Texas and North America.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 5360. Economic Anthropology.
This course reviews central issues in economic anthropology using both case studies and theoretical writings. Analyzes production, exchange, distribution, consumption, property, economic surplus, and types of economic structure. (Stacked course with ANTH 3360.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5361. Qualitative Methods.
This course provides instruction on qualitative methods and analysis. Students will learn through a combination of lecture and hands-on activities how to design qualitative research projects; collect qualitative data through methods such as interviews, focus groups and observations; analyze this data; and present qualitative results.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 5363. The Art and Archaeology of the Olmec.
This course will present our current understanding of the art and archaeology of the Olmec culture, the earliest known civilization in North America. The Olmec culture is considered the influential foundation for later Mesoamerican civilizations such as the Maya and the Aztec. (Stacked course with ANTH 3363.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5373G. Research Design and Proposal Writing in Cultural Anthropology.
This course will familiarize students with the basic principles and practices of effective research design and proposal writing in cultural anthropology. Students will acquire a practical experience in formulating a feasible and creative research project, performing a rigorous literature review, planning to protect human research subjects, and giving/receiving constructive peer reviews.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5373I. Anthropology in Practice.
This course introduces students to the application of anthropological ideas, methods, and skills in multiple employment sectors. Students will develop key job skills in communication, team work, networking, professional development, and project management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5373J. Dental Anthropology and Oral Biology.
The biological development of the cranio-facial structures will be presented with emphasis on hard tissue anatomy and diseases. Dental traits will be discussed in relation to human evolutionary concepts. Forensic methods that support identification of human remains are emphasized. This course is appropriate for anthropology students and pre-professional dentistry.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5373K. Nonverbal Communication-Gestures.
Communication involves the use of 'invisible' words and gestures, or 'visible actions.' This course focuses on gestures, what they are, how they are used, what role they play in communication and in thinking, and their cultural underpinning. Students will learn the theoretical and methodological issues involved in studying different gestures across societies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5374Y. Human Evolutionary Anatomy.
This course is designed to give students an anatomical background to the study of human evolution with a focus on the comparative anatomy of apes, living humans, and fossil hominins.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ANTH 5374Z. Curation of Archaeological Materials.
This course will examine the phenomenon or fundamentalism in a variety of religious traditions, both present and historical. Students will explore the political and social ramifications of fundamentalism in a world characterized by multiculturalism and globalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ANTH 5375. Advanced Methods in Skeletal Biology, Part I.
This course focuses on laboratory analytical techniques and data collection methods used to estimate the biological profile of modern, historic, or prehistoric human skeletal remains.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5376. Advanced Methods in Skeletal Biology, Part II.
This course focuses on technical case report writing and evidentiary best practices in forensic anthropological analysis of human skeletal remains. In addition to biological profile estimation techniques, research methods and theoretical foundations used for trauma analysis and taphonomic interpretation will be reviewed. Prerequisite: ANTH 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5380. Seminar in Anthropological Research.
A course focused on a topic not normally offered in the regular curriculum. Course may be in any area of anthropological inquiry. May be repeated for credit when topics vary, but not more than 6 hours will apply towards the Master's degree.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5381. Paleopathology.
Paleopathology is the study of ancient diseases and is an important tool for understanding of past populations. In this course we will survey the range of pathology on human skeletons such as trauma, infection, syphilis, tuberculosis, leprosy, anemia, metabolic disturbances, arthritis, and tumors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ANTH 5382. Archaeology of the Earliest Americans.
This course focuses on the scientific story of the first Americans: where they came from, when they arrived, and how they met the challenges of moving across the vast, unknown landscapes of North America. Topics include exploring the hemisphere's oldest sites and how people coped with changing global climates.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5390. Directed Study.
Course of independent study open to individual students at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5395. Internship.
Under the direction of the thesis advisor and/or the internship coordinator, a student will conduct supervised work or research, related to a student's professional development, at a public or private organization. This course may be repeated once for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ANTH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed their thesis proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Minor in Anthropology

The graduate minor in Anthropology requires 9 semester credit hours of Anthropology graduate advisor-approved master's level ANTH courses.

Center for Diversity and Gender Studies

Undergraduate Academic Center Room 478
T: 512.245.2361 F: 512.245.1414
http://www.mcgs.txstate.edu/

The Center for Diversity and Gender Studies in the College of Liberal Arts administers the Diversity Studies minor and the Women's Studies minors at the undergraduate and graduate levels. The Center helps prepare students to work and live in a pluralistic society through curricular and

co-curricular activities — symposia, workshops, exhibits, and research projects. In addition, it assists faculty with resources and professional development activities to encourage the infusion of multiculturalism in the curriculum through a Multicultural Curriculum Transformation and Research Institute. It houses a resource area with more than 500 books, articles, and syllabi. The Center is home to its own online professional peer reviewed *Journal of Research on Women and Gender*. Through private donations, Diversity and Gender Studies offers annual scholarships to students. The director of the Center works in collaboration with an advisory council of faculty and staff representing several Texas State colleges and departments.

Key issues for prospective minors to consider:

- Tomorrow's graduates will be entering a work force dominated by technological, service, and communication industries with an increasingly diverse workplace and clientele.
- Employer demand is increasing for diversity knowledge and skills among today's college students.
- Well-rounded graduates have included in their liberal arts education a greater-knowledge of their cultural history and traditions.

Minors

- Diversity Studies (p. 1987)
- Women and Gender Studies (p. 1987)

Minor in Diversity Studies

The graduate minor in Diversity Studies requires 9 semester credit hours.

Code	Title	Hours
Required Courses		
DVST 5310	Diversity Studies: Theories & Issues	3
DVST 5320	Global Issues in Diversity	3
Elective		
Choose 1 course from the following:		3
ANTH 5314	Latin American Cultures	
ANTH 5322	Peoples and Cultures of Africa	
ANTH 5324	Mexican American Culture	
ANTH 5350	Gender and Sexuality in Cross Cultural Perspective	
BILG 5388	The Politics of Language	
CI 5310	Creativity: Theories, Research, and Applications	
CI 5330	Multicultural Teaching and Learning	
CJ 5380I	Race, Class, and Crime	
CJ 7313	Race and Ethnicity in Crime and Criminal Justice	
COMM 5325	Seminar in Human Communication Theory	
COMM 5356	Gender and Communication	
ENG 5300	Language Problems in a Multicultural Enviroment	
ENG 5317	Specializations in Rhetoric and Composition	
ENG 5345	Southwestern Studies I: Defining the Region	
ENG 5346	Southwestern Studies II: Consequences of Region	
ENG 5383	Studies in Rhetorical Theory	
ENG 5395	Problems in Language and Literature	
HIST 5314	Ethnohistory	
HIST 5323A	Society and Culture in Brazil	
HIST 5324B	Race, Class, and Nation in Modern Latin America	
HIST 5324C	Slavery and Emancipation in the Americas	
HIST 5325A	History of Mexico to 1848	
HIST 5345N	Transformation of the South	
HIST 5369	Music and Social Movements	
HIST 5345O	Immigration and US History	
HIST 5345Q	Gender and Citizenship	
HIST 5346	African American History	
HIST 5351C	Race, Gender, and Ethnicity in American Labor History	
HIST 5382	China and the Modern World	
HIST 5395E	Mahatma Gandhi in World History	
MC 5301	Mass Media and Society	
MC 5309	Gender, Race, and Class in the Media	
MC 5310	Global Media Issues	
MC 5321	Latinos and Media	
MC 5322	Global Media Strategy in Advertising and Public Relations	
MGT 5375	International Management-Latin America	
PHIL 5373	Themes in Africana Philosophy	
PSY 5334	Health Issues in Diverse Population	
RDG 5350	Literacy as Sociocultural Practice	
SOCI 5350	Seminar on the Sociology of Gender	
SOCI 5361	Aging and Dementia: Racial and Ethnic Minorities	
SOCI 5370	Seminar in Multi-Cultural Relations	
SOCI 5388B	Social Inequality: Race, Class, and Gender in the United States	
SOCI 5388F	Seminar in Poverty	
SOCI 5390	Seminar in Globalization and Development	
WS 5376	Images of Women	
WS 5377	Realities of Women	
Total Hours		9

Minor in Women and Gender Studies

The graduate minor in Women and Gender Studies requires 9-15 semester credit hours. The Graduate College and the Center for Diversity and Gender Studies offers this interdisciplinary program that concentrates on the images and realities of women. Drawing on recent scholarship about women and gender, this minor provides a flexible, coherent program that enables students to complement any major with the study of the significance of gender. The women and gender studies minor helps students create opportunities for themselves in a rapidly changing society.

Code	Title	Hours
Required Courses		
WS 5376	Images of Women	3
WS 5377	Realities of Women	3
Electives		
Choose 3 to 9 hours of courses from the following:		3-9
ANTH 5324	Mexican American Culture	
ANTH 5350	Gender and Sexuality in Cross Cultural Perspective	
COMM 5325	Seminar in Human Communication Theory	
COMM 5342	Historical Rhetoric and Social Influence	
COMM 5356	Gender and Communication	
COUN 5394	Counseling Women	

DVST 5310	Diversity Studies: Theories & Issues
ENG 5321	Contemporary Fiction [1]
ENG 5331	Studies in American Poetry [1]
ENG 5332	Studies in American Prose [1]
ENG 5364	Studies in the Romantic Movement [1]
ENG 5366	Studies in Victorian Poetry [1]
ENG 5368	Studies in Victorian Prose [1]
ENG 5388	Studies in Literature for Children or Adolescents [1]
ENG 5389	History of Children's Literature
ENG 5395	Problems in Language and Literature [1]
H ED 5345	Issues in Human Sexuality Education
HIST 5315A	American Sexualities
HIST 5315B	Queer History: GLBT Histories in the United States
HIST 5316A	Women's Rights in Comparative Perspective
HIST 5316B	Women and Empire
HIST 5351C	Race, Gender, and Ethnicity in American Labor History
HIST 5351F	US Women's History
HIST 5366A	
MC 5309	Gender, Race, and Class in the Media
PHIL 5301	Applied Philosophy [1]
PHIL 5325	Philosophy of Sex and Love
PHIL 5388	Problems in Philosophy [1]
PSY 5360H	Psychology of Women
SAHE 7345	Gender and Sexuality in College
SOCI 5350	Seminar on the Sociology of Gender
SOCI 5357	Gender and Aging in Society
SOCI 5388B	Social Inequality: Race, Class, and Gender in the United States
SPAN 5390	Studies in Spanish Culture, Language, or Literature (Independent Study)
WS 5388	Independent Research in Women and Gender Studies
Total Hours	9-15

Department of English

Flowers Hall Room 365
Telephone: 512-245-2163 Fax: 512-245-8546
http://www.english.txstate.edu/

The discipline of English covers much ground, and graduate programs may focus on one or more subdisciplines. Texas State's graduate English program serves students with many interests and needs by offering dozens of courses each semester on a wide variety of topics. Students may focus on a single element of English studies or they may combine elements. Many courses apply the most important current critical and theoretical approaches to the study of literature and the media, while others help promising poets and fiction writers to master those crafts. Some teach rhetorical skills to future expository writers and teachers of writing, while others cover the numerous kinds of writing demanded by rapidly changing technologies. Our integrative approach allows both for expansion of areas of study beyond a single emphasis and for the specialization that appropriately occurs at a university. Please go to the Graduate Programs tab at the department's website for more specific information on our majors.

Financial Assistance

Graduate students in the M.A. programs may apply for appointments of up to two years as instructional or teaching assistants; students in the M.F.A. program may apply for appointments of up to three years. Instructional assistants have completed fewer than 18 graduate hours in English and have limited duties; teaching assistants have completed 18 or more hours in English and have a wider range of teaching duties. Assistants ordinarily have assignments in composition courses or surveys of literature. Applications are available from graduate program directors.

Graduate students may apply for a number of departmental scholarships, including the Janie M. Grayson English Graduate Fellowship, the G. Jack Gravitt Scholarship, the Ralph and Fancys Houston Scholarships, the William F. McKeen III Scholarship, the Judith Caldwell Miller Scholarship, the Billy G. Moore Endowed Scholarship, the Mamie E. Smith Memorial Scholarship, the David R. Stevens Memorial Scholarship, the Mary-Agnes Taylor Endowed Scholarship, the Ione Dodson Young Endowed Scholarship, the Peterson-Charles Mosley Scholarship, the W. Morgan and Lou Claire Rose Scholarship, and the Leonard and Elizabeth Wright Scholarship for Future Teachers. Contact a graduate program director for applications or additional information.

The Graduate College oversees additional scholarships and may be contacted at 512.245.2581 for further scholarship information.

The Therese Kayser Lindsey Endowment for Literature

The Lindsey Endowment, dedicated April 11, 1978, is a gift of Mrs. Louise Lindsey Merrick to the Texas State University Foundation, made in memory of her mother, Therese Kayser Lindsey. A noted poet and patron of the arts, Mrs. Lindsey attended Southwest Texas State Normal School, completing her degree in 1905. She published four volumes of poetry and helped organize the Poetry Society of Texas.

The endowment, along with the Katherine Anne Porter Literary Center, supports the mission of the department by sponsoring readings by distinguished writers and scholars such as Mortimer Alder, Sherman Alexie, Karim Ali, Margaret Atwood, Sandra Cisneros, Junot Díaz, Rita Dove, Louise Erdritch, Stanley Fish, Carolyn Forché, Lauren Groff, Laurie Ann Guerrero, Ben Fountain, Allen Ginsberg, Jory Graham, T. Geronimo Johnson, Maxine Hong Kingston, Denise Levertov, Larry McMurtry, W.S. Merwin, N. Scott Momaday, Nnedi Okorafur, Annie Proulx, Karen Russel, Gary Snyder, Helen Vendler, Alice Walker, and Charles Wright.

Visiting writers and scholars often meet with graduate classes, attend question-and-answer sessions, and hold informal discussions with graduate students.

The University Endowed Chair in Creative Writing

The University Endowed Chair in Creative Writing brings distinguished writers annually to teach graduate writing workshops and to give public readings. Former chair holders include MacArthur Foundation Fellow Leslie Marmon Silko, National Book Award winning poet Ai, Pulitzer Prize finalist Barry Hannah, National Book Award winner Denis Johnson, American Book Award winner Li-Young Lee, National Book Award winner Robert Stone, National Book Award finalist Cristina Garcia, National Book Critics Circle Award Winner Ben Fountain, and National Book Award winner Tim O'Brien, In 2016-2017, T. Geronimo Johnson was a

visiting Professor of Creative Writing; fiction writer Tim O'Brien and Poet Naomi Shihab Nye are both professors of Creative writing and continuing members of the M.F.A. program's faculty.

From Fall 2017 through Spring 2019, the chair holder will be Karen Russell, a Pulitzer Prize finalist and recipient of a MacArthur Foundation "Genius Grant."

The Katherine Anne Porter Literary Center

Established in 2000, the Katherine Anne Porter Literary Center is based in the childhood home of the Pulitzer Prize and National Book Award-winning author. The Center is host to numerous visiting writers each year. The house was dedicated as a National Literary Landmark in June 2002, by the Friends of Libraries USA and the Library of Congress.

The L.D. and LaVerne Harrell Clark Literary Endowment and Fiction Prize

In 2009, writers L.D. and LaVerne Harrell Clark donated their Smithville, Texas home and property to Texas State to create an endowment for writers-in-residence. The endowment was subsequently enlarged to support Clark Fellows and the Clark Fiction Prize, the latter a major national award. Awardees come to campus to receive the prize, and they offer a public reading at Texas Sate. The inaugural prize was received in 2017 by Jim Shepard for *The Book of Aron*, and in 2018 by Colson Whitehead for *The Underground Railroad*.

Master of Arts (M.A.)

- Major in Literature (Non-thesis Option) (p. 1989)
- Major in Literature (Thesis Option) (p. 1994)
- Major in Rhetoric and Composition (Non-thesis Option) (p. 1999)
- Major in Rhetoric and Composition (Thesis Option) (p. 2005)
- Major in Technical Communication (Internship Non-thesis Option) (p. 2010)
- Major in Technical Communication (Internship Non-thesis Minor Option) (p. 2014)
- Major in Technical Communication (Thesis Option) (p. 2018)
- Major in Technical Communication (Thesis Minor Option) (p. 2024)

Master of Fine Arts (M.F.A.)

- Major in Creative Writing (Fiction Option) (p. 2029)
- Major in Creative Writing (Poetry Option) (p. 2034)

Minor

- Literature (p. 2040)

Master of Arts (M.A.) Major in Literature (Non-thesis Option)

Major Program

The Master of Arts (M.A.) degree with a major in Literature offers courses from a wide range of topics, periods, and genres in British and American literature, as well as in critical theory.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.25 GPA in a minimum of 24 hours of undergraduate English, including at least 12 advanced hours*
- GRE not required*
- additional documents not required*

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the English GPA falls between 3.0 and 3.25, the student must submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning section
- two letters of recommendation
- writing sample of non-fiction prose, preferably literary analysis

Degree Requirements

The Master of Arts (M.A.) degree with a major in Literature requires 36 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
ENG 5301	Literary Scholarship	3
ENG 5353	Studies in Medieval Literature	3
ENG 5354	Studies in Renaissance Literature	3
ENG 5321	Contemporary Fiction	3
or ENG 5359	Studies in Restoration and Eighteenth-century Literature	
or ENG 5364	Studies in the Romantic Movement	
or ENG 5366	Studies in Victorian Poetry	

or ENG 5368	Studies in Victorian Prose	
ENG 5321	Contemporary Fiction	3
or ENG 5325	Studies in Literature of the Southwest	
or ENG 5331	Studies in American Poetry	
or ENG 5332	Studies in American Prose	
or ENG 5345	Southwestern Studies I: Defining the Region	
or ENG 5346	Southwestern Studies II: Consequences of Region	
Electives		
Choose 9 hours of advisor-approved electives		9
Choose 3 hours of advisor-approved Literature after 1660 electives		3
Minor		
Choose a 9-hour advisor-approved minor [1]		9
Total Hours		36

[1] Students choose among minors offered by many graduate programs or areas of emphasis in many areas, including traditional periods and genres, children's literature, rhetorical or literary theory, technical communication, ethnic studies, gender studies, and studies of the American Southwest.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in English: ENG

Courses Offered

English (ENG)

Graduate courses listed as “repeatable” ordinarily count toward nine hours of English degree credit unless otherwise indicated. Exceptions require written justification and departmental approval. Specific emphases of repeatable courses vary by term and instructor, but they may focus on literary and rhetorical forms and genres; authors, periods, or literary movements; perspectives from social, intellectual, and cultural studies; literary themes; or theoretical and practical information for technical communication. The department provides descriptions of specific courses prior to each term’s enrollment period.

ENG 5199B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5299B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5301. Literary Scholarship.
An introduction to scholarly resources, methods, theories, and responsibilities that guide the study and interpretations of literature in English. Literary texts chosen for detailed examination vary with expertise of the instructor. Required in first year of M.A. with a Literature Major.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5302. Media Studies.
The study of film and media history, theory, and practice. Special topics may include videography, video editing, genre, filmmakers, and regional film.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5310. Studies in English Language and Linguistics.
A study of the English language, with special attention to phonology, morphology, syntax, semantics, dialectology, sociolinguistics, normal language acquisition, and/or writing and spelling systems. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5311. Foundations in Technical Communication.
An introduction to the theory and practice of technical communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5312. Editing the Professional Publication.
The editing, design, layout, and proofreading of a professional publication. This course is an internship. May be repeated one time with different emphasis.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5313. Studies in Principles of Technical Communication.
A group of courses that provide students theoretical and practical information useful in any position in technical communication. Recent emphases include Digital Media and the web, Technical Editing, and Visual Rhetoric. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5314. Specializations in Technical Communication.
A group of courses that provide students theoretical and practical information for specialized types of technical communication. Recent emphases include International Technical Communication Proposal Writing, Software Documentation and Writing for the Government. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5315. Graduate Writing Workshop.
A studio course in which the primary texts are student manuscripts. Concentrations in fiction or poetry examine principles and techniques of creating, evaluating, and revising writing in these genres. The course requires class members to review writing produced by other workshop members.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENG 5316. Foundations in Rhetoric and Composition.
A group of courses providing students with theoretical, pedagogical, and methodological foundations in the field of rhetoric and composition. Emphases vary but include Contemporary Composition Theory and Composition Pedagogy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5317. Specializations in Rhetoric and Composition.
A group of courses providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Center Theory, Practice, and Administration; Writing Across the Curriculum; Service Learning; and Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5320. Form and Theory of Fiction.
An examination of traditional and current theory and practice in fiction. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of fiction in other literatures. For M.F.A. credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5321. Contemporary Fiction.
Readings selected from canonical and/or experimental fiction. Recent emphases include novels into film, postmodern fiction, Magical Realism, and Saul Bellow. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5322. Form and Theory of Poetry.
An examination of traditional and current theory and practice in poetry. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of poetry in other literatures. For MFA credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5323. Studies in Autobiography and Biography.
A study of selected works in autobiography and biography with special attention to the art forms used in these works. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5324. Studies in Literary Genre.
A study of one or more literary genres over several historical periods or from a variety of cultural perspectives. The course focuses on genres such as the following: the epic, the novel, the short story, the lyric, the pastoral, the romance, and Irish comic fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5325. Studies in Literature of the Southwest.
Selected Texas and Southwestern writers with emphasis on fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5327. Research Methods in Rhetoric and Composition.
This course introduces research practices in rhetoric and composition, focusing on the strategies, methods, paradigms, and perspectives that characterize qualitative and quantitative research. It considers research ethics, issues of representation, and the history and role of research in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5328. Directed Portfolio.
Constitutes partial fulfillment of non-thesis option for students earning the MA in Rhetoric and Composition. Under guidance of a graduate faculty committee, students produce a portfolio of representative written work with written commentary and reflection. Repeatable once. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5331. Studies in American Poetry.
Selected poets with a survey of their works. Recent emphases include Walt Whitman, Emily Dickinson, Southern poetry, Denise Levertov, and Robert Bly. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5332. Studies in American Prose.
Selected authors with special attention to novels. Recent emphases include William Faulkner, Ernest Hemingway, Richard Wright, and Zora Neale Hurston. Repeatable with different emphases for up to nine hours of English credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5345. Southwestern Studies I: Defining the Region.
An interdisciplinary course that surveys the physical, cultural, and social history of the Southwest, emphasizing architecture, art, literature, philosophy, politics, popular culture, and technology. Historical focus from the 15th to the mid-19th century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5346. Southwestern Studies II: Consequences of Region.
Second course in a survey of physical, cultural, and social history of the Southwest, emphasizing regional and ethnic expressions of culture. This course moves from the broad overview of the first semester to more specific problems in the region and to the artistic products of regional culture. Historical focus is from the Civil War to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5353. Studies in Medieval Literature.
Emphasis on authors, contexts, and genres of the medieval period. Recent emphases include Anglo-Saxon culture, language, and literature; Chaucer; non-Chaucerian medieval literature; pilgrimage literature. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5354. Studies in Renaissance Literature.
Emphasis on authors, contexts, and genres of the Renaissance. Recent emphases include Shakespeare, Renaissance epic, Tudor humanism, and John Milton. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5359. Studies in Restoration and Eighteenth-century Literature.
Major writers of the period with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Johnson and his circle, Restoration and eighteenth-century drama, and the eighteenth-century novel. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5364. Studies in the Romantic Movement.
The works of the Early Romantics or Late Romantics in context with attention to nineteenth- and twentieth-century scholarship. Recent emphases include Blake and the other arts, Coleridge, the Wordsworths, Shelley, and Keats. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5366. Studies in Victorian Poetry.
Major Victorian poets with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Tennyson, the Brownings, the Pre-Raphaelites, and Hopkins. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5368. Studies in Victorian Prose.
Major Victorian prose writers with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include George Eliot, non-fiction Victorian prose, Victorian women novelists, and Charles Dickens. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5371. Studies in Modern British Literature.
Selected authors with a survey of their works. Recent emphases include Yeats, Wilde, Auden, and Post-World War II British poetry. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5372. Practicum in English Studies.
An introduction to key issues and concepts in the teaching of English studies. Required for first-year instructional assistants in the English Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5381. Studies in Modern British and American Drama.
A survey of major British and American dramatists and their European or world context. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

ENG 5382. Practicum in Composition.
An introduction to key issues and concepts in the teaching of expository writing at the college level. Required for first-year teaching assistants in the English Department who have not previously taken ENG 5372. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Technical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5384. Critical Theory.
A study of critical theory, emphasizing the history of criticism and/or contemporary critical theories. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5388. Studies in Literature for Children or Adolescents.
A study of contemporary works, extending the student's knowledge of the literature and criticism in the field. Typical emphases are generic and/or thematic and include picture books, the contemporary novel, and the children's classics on film. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5389. History of Children's Literature.
The history of children's literature from the Middle Ages through 1940. May be repeated with different emphases for up to six hours of graduate credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5390. Special Problems.
Independent study under supervision of a graduate faculty member in English, with in-depth readings and research focused on a special problem in literature and/or language. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5391. Directed Studies in English.
Students will conduct studies as necessary preparation for graduate-level coursework in English. The nature of the work varies depending on the student's level of academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ENG 5395. Problems in Language and Literature.
Recent emphases include literary technique and literary theory. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5399A. Thesis.
First semester of thesis enrollment. No thesis credit awarded until student has completed the thesis in English 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5399B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5599B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5999B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Literature (Thesis Option)

Major Program

The Master of Arts (M.A.) degree with a major in Literature offers courses from a wide range of topics, periods, and genres in British and American literature, as well as in critical theory.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.25 GPA in a minimum of 24 hours of undergraduate English, including at least 12 advanced hours*
- GRE not required*
- additional documents not required*

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the English GPA falls between 3.0 and 3.25, the student must submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning section

- two letters of recommendation
- writing sample of non-fiction prose, preferably literary analysis

Degree Requirements

The Master of Arts (M.A.) degree with a major in Literature requires 30 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
ENG 5301	Literary Scholarship	3
ENG 5353	Studies in Medieval Literature	3
ENG 5354	Studies in Renaissance Literature	3
ENG 5321	Contemporary Fiction	3
or ENG 5359	Studies in Restoration and Eighteenth-century Literature	
or ENG 5364	Studies in the Romantic Movement	
or ENG 5366	Studies in Victorian Poetry	
or ENG 5368	Studies in Victorian Prose	
ENG 5321	Contemporary Fiction	3
or ENG 5325	Studies in Literature of the Southwest	
or ENG 5331	Studies in American Poetry	
or ENG 5332	Studies in American Prose	
or ENG 5345	Southwestern Studies I: Defining the Region	
or ENG 5346	Southwestern Studies II: Consequences of Region	
Electives		
Choose 3 hours of advisor-approved English Literature after 1660 electives		3
Thesis		
ENG 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
ENG 5199B	Thesis	
ENG 5299B	Thesis	
ENG 5399B	Thesis	
ENG 5599B	Thesis	
ENG 5999B	Thesis	
Minor		
Choose 6-hour advisor-approved minor [1]		6
Total Hours		30

[1] Students choose among minors offered by many graduate programs or areas of emphasis in many areas, including traditional periods and genres, children's literature, rhetorical or literary theory, technical communication, ethnic studies, gender studies, and studies of the American Southwest.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in English: ENG

Courses Offered

English (ENG)

Graduate courses listed as "repeatable" ordinarily count toward nine hours of English degree credit unless otherwise indicated. Exceptions require written justification and departmental approval. Specific emphases of repeatable courses vary by term and instructor, but they may focus on literary and rhetorical forms and genres; authors, periods, or literary movements; perspectives from social, intellectual, and cultural studies; literary themes; or theoretical and practical information for technical communication. The department provides descriptions of specific courses prior to each term's enrollment period.

ENG 5199B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5299B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5301. Literary Scholarship.
An introduction to scholarly resources, methods, theories, and responsibilities that guide the study and interpretations of literature in English. Literary texts chosen for detailed examination vary with expertise of the instructor. Required in first year of M.A. with a Literature Major.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5302. Media Studies.
The study of film and media history, theory, and practice. Special topics may include videography, video editing, genre, filmmakers, and regional film.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5310. Studies in English Language and Linguistics.
A study of the English language, with special attention to phonology, morphology, syntax, semantics, dialectology, sociolinguistics, normal language acquisition, and/or writing and spelling systems. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5311. Foundations in Technical Communication.
An introduction to the theory and practice of technical communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5312. Editing the Professional Publication.
The editing, design, layout, and proofreading of a professional publication. This course is an internship. May be repeated one time with different emphasis.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5313. Studies in Principles of Technical Communication.
A group of courses that provide students theoretical and practical information useful in any position in technical communication. Recent emphases include Digital Media and the web, Technical Editing, and Visual Rhetoric. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5314. Specializations in Technical Communication.
A group of courses that provide students theoretical and practical information for specialized types of technical communication. Recent emphases include International Technical Communication Proposal Writing, Software Documentation and Writing for the Government. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5315. Graduate Writing Workshop.
A studio course in which the primary texts are student manuscripts. Concentrations in fiction or poetry examine principles and techniques of creating, evaluating, and revising writing in these genres. The course requires class members to review writing produced by other workshop members.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENG 5316. Foundations in Rhetoric and Composition.
A group of courses providing students with theoretical, pedagogical, and methodological foundations in the field of rhetoric and composition. Emphases vary but include Contemporary Composition Theory and Composition Pedagogy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5317. Specializations in Rhetoric and Composition.
A group of courses providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Center Theory, Practice, and Administration; Writing Across the Curriculum; Service Learning; and Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5320. Form and Theory of Fiction.
An examination of traditional and current theory and practice in fiction. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of fiction in other literatures. For M.F.A. credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5321. Contemporary Fiction.
Readings selected from canonical and/or experimental fiction. Recent emphases include novels into film, postmodern fiction, Magical Realism, and Saul Bellow. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5322. Form and Theory of Poetry.
An examination of traditional and current theory and practice in poetry. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of poetry in other literatures. For MFA credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5323. Studies in Autobiography and Biography.
A study of selected works in autobiography and biography with special attention to the art forms used in these works. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5324. Studies in Literary Genre.
A study of one or more literary genres over several historical periods or from a variety of cultural perspectives. The course focuses on genres such as the following: the epic, the novel, the short story, the lyric, the pastoral, the romance, and Irish comic fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5325. Studies in Literature of the Southwest.
Selected Texas and Southwestern writers with emphasis on fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5327. Research Methods in Rhetoric and Composition.
This course introduces research practices in rhetoric and composition, focusing on the strategies, methods, paradigms, and perspectives that characterize qualitative and quantitative research. It considers research ethics, issues of representation, and the history and role of research in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5328. Directed Portfolio.
Constitutes partial fulfillment of non-thesis option for students earning the MA in Rhetoric and Composition. Under guidance of a graduate faculty committee, students produce a portfolio of representative written work with written commentary and reflection. Repeatable once. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5331. Studies in American Poetry.
Selected poets with a survey of their works. Recent emphases include Walt Whitman, Emily Dickinson, Southern poetry, Denise Levertov, and Robert Bly. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5332. Studies in American Prose.
Selected authors with special attention to novels. Recent emphases include William Faulkner, Ernest Hemingway, Richard Wright, and Zora Neale Hurston. Repeatable with different emphases for up to nine hours of English credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5345. Southwestern Studies I: Defining the Region.
An interdisciplinary course that surveys the physical, cultural, and social history of the Southwest, emphasizing architecture, art, literature, philosophy, politics, popular culture, and technology. Historical focus from the 15th to the mid-19th century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5346. Southwestern Studies II: Consequences of Region.
Second course in a survey of physical, cultural, and social history of the Southwest, emphasizing regional and ethnic expressions of culture. This course moves from the broad overview of the first semester to more specific problems in the region and to the artistic products of regional culture. Historical focus is from the Civil War to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5353. Studies in Medieval Literature.
Emphasis on authors, contexts, and genres of the medieval period. Recent emphases include Anglo-Saxon culture, language, and literature; Chaucer; non-Chaucerian medieval literature; pilgrimage literature. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5354. Studies in Renaissance Literature.
Emphasis on authors, contexts, and genres of the Renaissance. Recent emphases include Shakespeare, Renaissance epic, Tudor humanism, and John Milton. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5359. Studies in Restoration and Eighteenth-century Literature.
Major writers of the period with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Johnson and his circle, Restoration and eighteenth-century drama, and the eighteenth-century novel. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5364. Studies in the Romantic Movement.
The works of the Early Romantics or Late Romantics in context with attention to nineteenth- and twentieth-century scholarship. Recent emphases include Blake and the other arts, Coleridge, the Wordsworths, Shelley, and Keats. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5366. Studies in Victorian Poetry.
Major Victorian poets with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Tennyson, the Brownings, the Pre-Raphaelites, and Hopkins. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5368. Studies in Victorian Prose.
Major Victorian prose writers with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include George Eliot, non-fiction Victorian prose, Victorian women novelists, and Charles Dickens. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5371. Studies in Modern British Literature.
Selected authors with a survey of their works. Recent emphases include Yeats, Wilde, Auden, and Post-World War II British poetry. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5372. Practicum in English Studies.
An introduction to key issues and concepts in the teaching of English studies. Required for first-year instructional assistants in the English Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5381. Studies in Modern British and American Drama.
A survey of major British and American dramatists and their European or world context. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

ENG 5382. Practicum in Composition.
An introduction to key issues and concepts in the teaching of expository writing at the college level. Required for first-year teaching assistants in the English Department who have not previously taken ENG 5372. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Technical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5384. Critical Theory.
A study of critical theory, emphasizing the history of criticism and/or contemporary critical theories. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5388. Studies in Literature for Children or Adolescents.
A study of contemporary works, extending the student's knowledge of the literature and criticism in the field. Typical emphases are generic and/or thematic and include picture books, the contemporary novel, and the children's classics on film. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5389. History of Children's Literature.
The history of children's literature from the Middle Ages through 1940. May be repeated with different emphases for up to six hours of graduate credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5390. Special Problems.
Independent study under supervision of a graduate faculty member in English, with in-depth readings and research focused on a special problem in literature and/or language. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5391. Directed Studies in English.
Students will conduct studies as necessary preparation for graduate-level coursework in English. The nature of the work varies depending on the student's level of academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ENG 5395. Problems in Language and Literature.
Recent emphases include literary technique and literary theory. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5399A. Thesis.
First semester of thesis enrollment. No thesis credit awarded until student has completed the thesis in English 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5399B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5599B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5999B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Rhetoric and Composition (Non-thesis Option)

Program Overview

The Master of Arts (M.A.) degree with a major in Rhetoric and Composition ranks among the top nationwide with award-winning faculty and commitment to student success. Students enjoy a vibrant community dedicated to studying written discourse and the teaching of writing within a variety of contexts. The program also develops unique programs of study combining foundational knowledge with focused study in areas ranging from minority and feminist rhetorics to digitial literacies, writing for social justice, and writing center studies.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic

year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in 12 or more hours of undergraduate English course work
- GRE not required
- portfolio (submit the following items as a single PDF document):
  - statement of purpose
  - at least two non-fiction documents (combined minimum of 15 pages, double-spaced) consisting of at least one academic research paper written for an undergraduate or graduate course
  - cover letter explaining when and for whom the submitted writing samples were written and discussing why they have been included as representative work
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Rhetoric and Composition requires 33 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
ENG 5326	Contemporary Composition Theory	3
ENG 5327	Research Methods in Rhetoric and Composition	3
ENG 5328	Directed Portfolio	3
ENG 5383	Studies in Rhetorical Theory	3
Electives		
Choose 15 hours from the following:		15
ENG 5300	Language Problems in a Multicultural Enviroment	
ENG 5310	Studies in English Language and Linguistics	
ENG 5313	Studies in Principles of Technical Communication (Computers and Writing) [1]	
ENG 5316	Foundations in Rhetoric and Composition [2,3]	
ENG 5317	Specializations in Rhetoric and Composition [2]	
ENG 5383	Studies in Rhetorical Theory [2,3]	
Cognate		
Choose 6 hours of advsior-approved courses		6
Total Hours		33

1. With program advisor's approval, students may take additional hours under ENG 5313 and ENG 5314 if course topics are deemed directly relevant to rhetoric and composition
2. Topics vary
3. Excludes Topic: History of Rhetoric

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must

include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in English: ENG

Courses Offered

English (ENG)

Graduate courses listed as "repeatable" ordinarily count toward nine hours of English degree credit unless otherwise indicated. Exceptions require written justification and departmental approval. Specific emphases of repeatable courses vary by term and instructor, but they may focus on literary and rhetorical forms and genres; authors, periods, or literary movements; perspectives from social, intellectual, and cultural studies; literary themes; or theoretical and practical information for technical communication. The department provides descriptions of specific courses prior to each term's enrollment period.

ENG 5199B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5299B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5301. Literary Scholarship.
An introduction to scholarly resources, methods, theories, and responsibilities that guide the study and interpretations of literature in English. Literary texts chosen for detailed examination vary with expertise of the instructor. Required in first year of M.A. with a Literature Major.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5302. Media Studies.
The study of film and media history, theory, and practice. Special topics may include videography, video editing, genre, filmmakers, and regional film.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5310. Studies in English Language and Linguistics.
A study of the English language, with special attention to phonology, morphology, syntax, semantics, dialectology, sociolinguistics, normal language acquisition, and/or writing and spelling systems. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5311. Foundations in Technical Communication.
An introduction to the theory and practice of technical communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5312. Editing the Professional Publication.
The editing, design, layout, and proofreading of a professional publication. This course is an internship. May be repeated one time with different emphasis.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5313. Studies in Principles of Technical Communication.
A group of courses that provide students theoretical and practical information useful in any position in technical communication. Recent emphases include Digital Media and the web, Technical Editing, and Visual Rhetoric. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5314. Specializations in Technical Communication.
A group of courses that provide students theoretical and practical information for specialized types of technical communication. Recent emphases include International Technical Communication Proposal Writing, Software Documentation and Writing for the Government. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5315. Graduate Writing Workshop.
A studio course in which the primary texts are student manuscripts. Concentrations in fiction or poetry examine principles and techniques of creating, evaluating, and revising writing in these genres. The course requires class members to review writing produced by other workshop members.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENG 5316. Foundations in Rhetoric and Composition.
A group of courses providing students with theoretical, pedagogical, and methodological foundations in the field of rhetoric and composition. Emphases vary but include Contemporary Composition Theory and Composition Pedagogy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5317. Specializations in Rhetoric and Composition.
A group of courses providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Center Theory, Practice, and Administration; Writing Across the Curriculum; Service Learning; and Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5320. Form and Theory of Fiction.
An examination of traditional and current theory and practice in fiction. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of fiction in other literatures. For M.F.A. credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5321. Contemporary Fiction.
Readings selected from canonical and/or experimental fiction. Recent emphases include novels into film, postmodern fiction, Magical Realism, and Saul Bellow. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5322. Form and Theory of Poetry.
An examination of traditional and current theory and practice in poetry. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of poetry in other literatures. For MFA credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5323. Studies in Autobiography and Biography.
A study of selected works in autobiography and biography with special attention to the art forms used in these works. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5324. Studies in Literary Genre.
A study of one or more literary genres over several historical periods or from a variety of cultural perspectives. The course focuses on genres such as the following: the epic, the novel, the short story, the lyric, the pastoral, the romance, and Irish comic fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5325. Studies in Literature of the Southwest.
Selected Texas and Southwestern writers with emphasis on fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5327. Research Methods in Rhetoric and Composition.
This course introduces research practices in rhetoric and composition, focusing on the strategies, methods, paradigms, and perspectives that characterize qualitative and quantitative research. It considers research ethics, issues of representation, and the history and role of research in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5328. Directed Portfolio.
Constitutes partial fulfillment of non-thesis option for students earning the MA in Rhetoric and Composition. Under guidance of a graduate faculty committee, students produce a portfolio of representative written work with written commentary and reflection. Repeatable once. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5331. Studies in American Poetry.
Selected poets with a survey of their works. Recent emphases include Walt Whitman, Emily Dickinson, Southern poetry, Denise Levertov, and Robert Bly. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5332. Studies in American Prose.
Selected authors with special attention to novels. Recent emphases include William Faulkner, Ernest Hemingway, Richard Wright, and Zora Neale Hurston. Repeatable with different emphases for up to nine hours of English credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5345. Southwestern Studies I: Defining the Region.
An interdisciplinary course that surveys the physical, cultural, and social history of the Southwest, emphasizing architecture, art, literature, philosophy, politics, popular culture, and technology. Historical focus from the 15th to the mid-19th century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5346. Southwestern Studies II: Consequences of Region.
Second course in a survey of physical, cultural, and social history of the Southwest, emphasizing regional and ethnic expressions of culture. This course moves from the broad overview of the first semester to more specific problems in the region and to the artistic products of regional culture. Historical focus is from the Civil War to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5353. Studies in Medieval Literature.
Emphasis on authors, contexts, and genres of the medieval period. Recent emphases include Anglo-Saxon culture, language, and literature; Chaucer; non-Chaucerian medieval literature; pilgrimage literature. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5354. Studies in Renaissance Literature.
Emphasis on authors, contexts, and genres of the Renaissance. Recent emphases include Shakespeare, Renaissance epic, Tudor humanism, and John Milton. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5359. Studies in Restoration and Eighteenth-century Literature.
Major writers of the period with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Johnson and his circle, Restoration and eighteenth-century drama, and the eighteenth-century novel. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5364. Studies in the Romantic Movement.
The works of the Early Romantics or Late Romantics in context with attention to nineteenth- and twentieth-century scholarship. Recent emphases include Blake and the other arts, Coleridge, the Wordsworths, Shelley, and Keats. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5366. Studies in Victorian Poetry.
Major Victorian poets with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Tennyson, the Brownings, the Pre-Raphaelites, and Hopkins. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5368. Studies in Victorian Prose.
Major Victorian prose writers with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include George Eliot, non-fiction Victorian prose, Victorian women novelists, and Charles Dickens. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5371. Studies in Modern British Literature.
Selected authors with a survey of their works. Recent emphases include Yeats, Wilde, Auden, and Post-World War II British poetry. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5372. Practicum in English Studies.
An introduction to key issues and concepts in the teaching of English studies. Required for first-year instructional assistants in the English Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5381. Studies in Modern British and American Drama.
A survey of major British and American dramatists and their European or world context. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

ENG 5382. Practicum in Composition.
An introduction to key issues and concepts in the teaching of expository writing at the college level. Required for first-year teaching assistants in the English Department who have not previously taken ENG 5372. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Technical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5384. Critical Theory.
A study of critical theory, emphasizing the history of criticism and/or contemporary critical theories. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5388. Studies in Literature for Children or Adolescents.
A study of contemporary works, extending the student's knowledge of the literature and criticism in the field. Typical emphases are generic and/or thematic and include picture books, the contemporary novel, and the children's classics on film. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5389. History of Children's Literature.
The history of children's literature from the Middle Ages through 1940. May be repeated with different emphases for up to six hours of graduate credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5390. Special Problems.
Independent study under supervision of a graduate faculty member in English, with in-depth readings and research focused on a special problem in literature and/or language. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5391. Directed Studies in English.
Students will conduct studies as necessary preparation for graduate-level coursework in English. The nature of the work varies depending on the student's level of academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ENG 5395. Problems in Language and Literature.
Recent emphases include literary technique and literary theory. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5399A. Thesis.
First semester of thesis enrollment. No thesis credit awarded until student has completed the thesis in English 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5399B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5599B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5999B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Rhetoric and Composition (Thesis Option)

Program Overview

The Master of Arts (M.A.) degree with a major in Rhetoric and Composition ranks among the top nationwide with award-winning faculty and commitment to student success. Students enjoy a vibrant community dedicated to studying written discourse and the teaching of writing within a variety of contexts. The program also develops unique programs of study combining foundational knowledge with focused study in areas ranging from minority and feminist rhetorics to digitial literacies, writing for social justice, and writing center studies.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in 12 or more hours of undergraduate English course work
- GRE not required
- portfolio (submit the following items as a single PDF document):
  - statement of purpose
  - at least two non-fiction documents (combined minimum of 15 pages, double-spaced) consisting of at least one academic research paper written for an undergraduate or graduate course
  - cover letter explaining when and for whom the submitted writing samples were written and discussing why they have been included as representative work
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Rhetoric and Composition requires 33 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
ENG 5326	Contemporary Composition Theory	3
ENG 5327	Research Methods in Rhetoric and Composition	3
ENG 5383	Studies in Rhetorical Theory	3
Electives		
Choose 12 hours of the following:		12
ENG 5300	Language Problems in a Multicultural Enviroment	
ENG 5310	Studies in English Language and Linguistics	
ENG 5313	Studies in Principles of Technical Communication (Computers and Writing) [1]	
ENG 5316	Foundations in Rhetoric and Composition [2]	
ENG 5317	Specializations in Rhetoric and Composition [2]	
ENG 5383	Studies in Rhetorical Theory [2,3]	
Thesis		
ENG 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
ENG 5199B	Thesis	
ENG 5299B	Thesis	
ENG 5399B	Thesis	
ENG 5599B	Thesis	
ENG 5999B	Thesis	
Cognate		
Choose 6 hours of advisor-approved courses		6
Total Hours		33

1. With program advisor's approval, students may take additional hours under ENG 5313 and ENG 5314 if course topics are deemed directly relevant to rhetoric and composition.
2. Topics Vary
3. Excludes ENG 5383 Topic: History of Rhetoric

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with

the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in English: ENG

Courses Offered

English (ENG)

Graduate courses listed as "repeatable" ordinarily count toward nine hours of English degree credit unless otherwise indicated. Exceptions require written justification and departmental approval. Specific emphases of repeatable courses vary by term and instructor, but they

may focus on literary and rhetorical forms and genres; authors, periods, or literary movements; perspectives from social, intellectual, and cultural studies; literary themes; or theoretical and practical information for technical communication. The department provides descriptions of specific courses prior to each term's enrollment period.

ENG 5199B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5299B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5301. Literary Scholarship.
An introduction to scholarly resources, methods, theories, and responsibilities that guide the study and interpretations of literature in English. Literary texts chosen for detailed examination vary with expertise of the instructor. Required in first year of M.A. with a Literature Major.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5302. Media Studies.
The study of film and media history, theory, and practice. Special topics may include videography, video editing, genre, filmmakers, and regional film.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5310. Studies in English Language and Linguistics.
A study of the English language, with special attention to phonology, morphology, syntax, semantics, dialectology, sociolinguistics, normal language acquisition, and/or writing and spelling systems. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5311. Foundations in Technical Communication.
An introduction to the theory and practice of technical communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5312. Editing the Professional Publication.
The editing, design, layout, and proofreading of a professional publication. This course is an internship. May be repeated one time with different emphasis.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5313. Studies in Principles of Technical Communication.
A group of courses that provide students theoretical and practical information useful in any position in technical communication. Recent emphases include Digital Media and the web, Technical Editing, and Visual Rhetoric. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5314. Specializations in Technical Communication.
A group of courses that provide students theoretical and practical information for specialized types of technical communication. Recent emphases include International Technical Communication Proposal Writing, Software Documentation and Writing for the Government. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5315. Graduate Writing Workshop.
A studio course in which the primary texts are student manuscripts. Concentrations in fiction or poetry examine principles and techniques of creating, evaluating, and revising writing in these genres. The course requires class members to review writing produced by other workshop members.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENG 5316. Foundations in Rhetoric and Composition.
A group of courses providing students with theoretical, pedagogical, and methodological foundations in the field of rhetoric and composition. Emphases vary but include Contemporary Composition Theory and Composition Pedagogy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5317. Specializations in Rhetoric and Composition.
A group of courses providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Center Theory, Practice, and Administration; Writing Across the Curriculum; Service Learning; and Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5320. Form and Theory of Fiction.
An examination of traditional and current theory and practice in fiction. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of fiction in other literatures. For M.F.A. credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5321. Contemporary Fiction.
Readings selected from canonical and/or experimental fiction. Recent emphases include novels into film, postmodern fiction, Magical Realism, and Saul Bellow. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5322. Form and Theory of Poetry.
An examination of traditional and current theory and practice in poetry. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of poetry in other literatures. For MFA credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5323. Studies in Autobiography and Biography.
A study of selected works in autobiography and biography with special attention to the art forms used in these works. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5324. Studies in Literary Genre.
A study of one or more literary genres over several historical periods or from a variety of cultural perspectives. The course focuses on genres such as the following: the epic, the novel, the short story, the lyric, the pastoral, the romance, and Irish comic fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5325. Studies in Literature of the Southwest.
Selected Texas and Southwestern writers with emphasis on fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5327. Research Methods in Rhetoric and Composition.
This course introduces research practices in rhetoric and composition, focusing on the strategies, methods, paradigms, and perspectives that characterize qualitative and quantitative research. It considers research ethics, issues of representation, and the history and role of research in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5328. Directed Portfolio.
Constitutes partial fulfillment of non-thesis option for students earning the MA in Rhetoric and Composition. Under guidance of a graduate faculty committee, students produce a portfolio of representative written work with written commentary and reflection. Repeatable once. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5331. Studies in American Poetry.
Selected poets with a survey of their works. Recent emphases include Walt Whitman, Emily Dickinson, Southern poetry, Denise Levertov, and Robert Bly. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5332. Studies in American Prose.
Selected authors with special attention to novels. Recent emphases include William Faulkner, Ernest Hemingway, Richard Wright, and Zora Neale Hurston. Repeatable with different emphases for up to nine hours of English credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5345. Southwestern Studies I: Defining the Region.
An interdisciplinary course that surveys the physical, cultural, and social history of the Southwest, emphasizing architecture, art, literature, philosophy, politics, popular culture, and technology. Historical focus from the 15th to the mid-19th century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5346. Southwestern Studies II: Consequences of Region.
Second course in a survey of physical, cultural, and social history of the Southwest, emphasizing regional and ethnic expressions of culture. This course moves from the broad overview of the first semester to more specific problems in the region and to the artistic products of regional culture. Historical focus is from the Civil War to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5353. Studies in Medieval Literature.
Emphasis on authors, contexts, and genres of the medieval period. Recent emphases include Anglo-Saxon culture, language, and literature; Chaucer; non-Chaucerian medieval literature; pilgrimage literature. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5354. Studies in Renaissance Literature.
Emphasis on authors, contexts, and genres of the Renaissance. Recent emphases include Shakespeare, Renaissance epic, Tudor humanism, and John Milton. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5359. Studies in Restoration and Eighteenth-century Literature.
Major writers of the period with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Johnson and his circle, Restoration and eighteenth-century drama, and the eighteenth-century novel. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5364. Studies in the Romantic Movement.
The works of the Early Romantics or Late Romantics in context with attention to nineteenth- and twentieth-century scholarship. Recent emphases include Blake and the other arts, Coleridge, the Wordsworths, Shelley, and Keats. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5366. Studies in Victorian Poetry.
Major Victorian poets with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Tennyson, the Brownings, the Pre-Raphaelites, and Hopkins. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5368. Studies in Victorian Prose.
Major Victorian prose writers with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include George Eliot, non-fiction Victorian prose, Victorian women novelists, and Charles Dickens. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5371. Studies in Modern British Literature.
Selected authors with a survey of their works. Recent emphases include Yeats, Wilde, Auden, and Post-World War II British poetry. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5372. Practicum in English Studies.
An introduction to key issues and concepts in the teaching of English studies. Required for first-year instructional assistants in the English Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5381. Studies in Modern British and American Drama.
A survey of major British and American dramatists and their European or world context. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

ENG 5382. Practicum in Composition.
An introduction to key issues and concepts in the teaching of expository writing at the college level. Required for first-year teaching assistants in the English Department who have not previously taken ENG 5372. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Technical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5384. Critical Theory.
A study of critical theory, emphasizing the history of criticism and/or contemporary critical theories. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5388. Studies in Literature for Children or Adolescents.
A study of contemporary works, extending the student's knowledge of the literature and criticism in the field. Typical emphases are generic and/or thematic and include picture books, the contemporary novel, and the children's classics on film. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5389. History of Children's Literature.
The history of children's literature from the Middle Ages through 1940. May be repeated with different emphases for up to six hours of graduate credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5390. Special Problems.
Independent study under supervision of a graduate faculty member in English, with in-depth readings and research focused on a special problem in literature and/or language. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5391. Directed Studies in English.
Students will conduct studies as necessary preparation for graduate-level coursework in English. The nature of the work varies depending on the student's level of academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ENG 5395. Problems in Language and Literature.
Recent emphases include literary technique and literary theory. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5399A. Thesis.
First semester of thesis enrollment. No thesis credit awarded until student has completed the thesis in English 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5399B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5599B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5999B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Technical Communication (Non-thesis Internship Option)

Major Program

The Technical Communication major prepares graduates to write in technical and other professional settings and to pursue doctoral work in the field.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in 12 or more hours of undergraduate English, writing, editing, web design, or technical communication/professional writing course work
- GRE not required
- portfolio (submit the following items as a single PDF document):
  - statement of purpose explaining the reasons for pursuing the MATC and including background information that demonstrates:
    - interest and/or experience in writing, editing
    - interest and/or experience designing online or paper documents
    - other pertinent information
  - at least two non-fiction, prose documents (combined minimum of 15 pages, double-spaced) consisting of at least one academic research paper written for an undergraduate or graduate course
  - cover letter describing the submitted two (or more) non-fiction, prose documents

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Technical Communication consists of 30 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
ENG 5311	Foundations in Technical Communication	3
ENG 5312	Editing the Professional Publication	3
ENG 5326	Contemporary Composition Theory	3
or ENG 5383	Studies in Rhetorical Theory	
Choose 9 hours from the following:		9
ENG 5310	Studies in English Language and Linguistics (Digital Literacies)	
ENG 5313	Studies in Principles of Technical Communication (Digital & Print Document Design) [2]	
ENG 5313	Studies in Principles of Technical Communication (Digital Media and the Web) [2]	
ENG 5313	Studies in Principles of Technical Communication (Ethics in Technical Communication) [2]	
ENG 5313	Studies in Principles of Technical Communication (Technical Editing) [2]	
ENG 5313	Studies in Principles of Technical Communication (Visual Rhetoric) [2]	
ENG 5314	Specializations in Technical Communication (International Technical Communication) [2]	

ENG 5314	Specializations in Technical Communication (Software Documentation) [2]	
ENG 5326	Contemporary Composition Theory (Computers and Writing)	
Electives		
Choose 12 hours from the following:		12
ENG 5300	Language Problems in a Multicultural Enviroment	
ENG 5310	Studies in English Language and Linguistics	
ENG 5312	Editing the Professional Publication (may be taken twice) [1]	
ENG 5313	Studies in Principles of Technical Communication [2]	
ENG 5314	Specializations in Technical Communication [1]	
ENG 5317	Specializations in Rhetoric and Composition [2]	
ENG 5324	Studies in Literary Genre	
Total Hours		30

[1] May be repeated a maximum of three times. Different topics are required.

[2] May be repeated a maximum of three times. Different topics are required.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in English: ENG

Courses Offered

English (ENG)

ENG 5199B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5299B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5301. Literary Scholarship.
An introduction to scholarly resources, methods, theories, and responsibilities that guide the study and interpretations of literature in English. Literary texts chosen for detailed examination vary with expertise of the instructor. Required in first year of M.A. with a Literature Major.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5302. Media Studies.
The study of film and media history, theory, and practice. Special topics may include videography, video editing, genre, filmmakers, and regional film.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5310. Studies in English Language and Linguistics.
A study of the English language, with special attention to phonology, morphology, syntax, semantics, dialectology, sociolinguistics, normal language acquisition, and/or writing and spelling systems. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5311. Foundations in Technical Communication.
An introduction to the theory and practice of technical communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5312. Editing the Professional Publication.
The editing, design, layout, and proofreading of a professional publication. This course is an internship. May be repeated one time with different emphasis.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5313. Studies in Principles of Technical Communication.
A group of courses that provide students theoretical and practical information useful in any position in technical communication. Recent emphases include Digital Media and the web, Technical Editing, and Visual Rhetoric. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5314. Specializations in Technical Communication.
A group of courses that provide students theoretical and practical information for specialized types of technical communication. Recent emphases include International Technical Communication Proposal Writing, Software Documentation and Writing for the Government. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5315. Graduate Writing Workshop.
A studio course in which the primary texts are student manuscripts. Concentrations in fiction or poetry examine principles and techniques of creating, evaluating, and revising writing in these genres. The course requires class members to review writing produced by other workshop members.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENG 5316. Foundations in Rhetoric and Composition.
A group of courses providing students with theoretical, pedagogical, and methodological foundations in the field of rhetoric and composition. Emphases vary but include Contemporary Composition Theory and Composition Pedagogy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5317. Specializations in Rhetoric and Composition.
A group of courses providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Center Theory, Practice, and Administration; Writing Across the Curriculum; Service Learning; and Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5320. Form and Theory of Fiction.
An examination of traditional and current theory and practice in fiction. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of fiction in other literatures. For M.F.A. credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5321. Contemporary Fiction.
Readings selected from canonical and/or experimental fiction. Recent emphases include novels into film, postmodern fiction, Magical Realism, and Saul Bellow. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5322. Form and Theory of Poetry.
An examination of traditional and current theory and practice in poetry. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of poetry in other literatures. For MFA credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5323. Studies in Autobiography and Biography.
A study of selected works in autobiography and biography with special attention to the art forms used in these works. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5324. Studies in Literary Genre.
A study of one or more literary genres over several historical periods or from a variety of cultural perspectives. The course focuses on genres such as the following: the epic, the novel, the short story, the lyric, the pastoral, the romance, and Irish comic fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5325. Studies in Literature of the Southwest.
Selected Texas and Southwestern writers with emphasis on fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5327. Research Methods in Rhetoric and Composition.
This course introduces research practices in rhetoric and composition, focusing on the strategies, methods, paradigms, and perspectives that characterize qualitative and quantitative research. It considers research ethics, issues of representation, and the history and role of research in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5328. Directed Portfolio.
Constitutes partial fulfillment of non-thesis option for students earning the MA in Rhetoric and Composition. Under guidance of a graduate faculty committee, students produce a portfolio of representative written work with written commentary and reflection. Repeatable once. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5331. Studies in American Poetry.
Selected poets with a survey of their works. Recent emphases include Walt Whitman, Emily Dickinson, Southern poetry, Denise Levertov, and Robert Bly. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5332. Studies in American Prose.
Selected authors with special attention to novels. Recent emphases include William Faulkner, Ernest Hemingway, Richard Wright, and Zora Neale Hurston. Repeatable with different emphases for up to nine hours of English credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5345. Southwestern Studies I: Defining the Region.
An interdisciplinary course that surveys the physical, cultural, and social history of the Southwest, emphasizing architecture, art, literature, philosophy, politics, popular culture, and technology. Historical focus from the 15th to the mid-19th century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5346. Southwestern Studies II: Consequences of Region.
Second course in a survey of physical, cultural, and social history of the Southwest, emphasizing regional and ethnic expressions of culture. This course moves from the broad overview of the first semester to more specific problems in the region and to the artistic products of regional culture. Historical focus is from the Civil War to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5353. Studies in Medieval Literature.
Emphasis on authors, contexts, and genres of the medieval period. Recent emphases include Anglo-Saxon culture, language, and literature; Chaucer; non-Chaucerian medieval literature; pilgrimage literature. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5354. Studies in Renaissance Literature.
Emphasis on authors, contexts, and genres of the Renaissance. Recent emphases include Shakespeare, Renaissance epic, Tudor humanism, and John Milton. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5359. Studies in Restoration and Eighteenth-century Literature.
Major writers of the period with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Johnson and his circle, Restoration and eighteenth-century drama, and the eighteenth-century novel. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5364. Studies in the Romantic Movement.
The works of the Early Romantics or Late Romantics in context with attention to nineteenth- and twentieth-century scholarship. Recent emphases include Blake and the other arts, Coleridge, the Wordsworths, Shelley, and Keats. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5366. Studies in Victorian Poetry.
Major Victorian poets with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Tennyson, the Brownings, the Pre-Raphaelites, and Hopkins. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5368. Studies in Victorian Prose.
Major Victorian prose writers with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include George Eliot, non-fiction Victorian prose, Victorian women novelists, and Charles Dickens. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5371. Studies in Modern British Literature.
Selected authors with a survey of their works. Recent emphases include Yeats, Wilde, Auden, and Post-World War II British poetry. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5372. Practicum in English Studies.
An introduction to key issues and concepts in the teaching of English studies. Required for first-year instructional assistants in the English Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5381. Studies in Modern British and American Drama.
A survey of major British and American dramatists and their European or world context. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

ENG 5382. Practicum in Composition.
An introduction to key issues and concepts in the teaching of expository writing at the college level. Required for first-year teaching assistants in the English Department who have not previously taken ENG 5372. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Technical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5384. Critical Theory.
A study of critical theory, emphasizing the history of criticism and/or contemporary critical theories. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5388. Studies in Literature for Children or Adolescents.
A study of contemporary works, extending the student's knowledge of the literature and criticism in the field. Typical emphases are generic and/or thematic and include picture books, the contemporary novel, and the children's classics on film. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5389. History of Children's Literature.
The history of children's literature from the Middle Ages through 1940. May be repeated with different emphases for up to six hours of graduate credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5390. Special Problems.
Independent study under supervision of a graduate faculty member in English, with in-depth readings and research focused on a special problem in literature and/or language. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5391. Directed Studies in English.
Students will conduct studies as necessary preparation for graduate-level coursework in English. The nature of the work varies depending on the student's level of academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ENG 5395. Problems in Language and Literature.
Recent emphases include literary technique and literary theory. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5399A. Thesis.
First semester of thesis enrollment. No thesis credit awarded until student has completed the thesis in English 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5399B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5599B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5999B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Technical Communication (Non-thesis Internship Minor Option)

Major Program

The Technical Communication major prepares graduates to write in technical and other professional settings and to pursue doctoral work in the field.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in 12 or more hours of undergraduate English, writing, editing, web design, or technical communication/professional writing course work
- GRE not required
- portfolio (submit the following items as a single PDF document):
  - statement of purpose explaining the reasons for pursuing the MATC and including background information that demonstrates:
    - interest and/or experience in writing, editing
    - interest and/or experience designing online or paper documents
    - other pertinent information
  - at least two non-fiction, prose documents (combined minimum of 15 pages, double-spaced) consisting of at least one academic research paper written for an undergraduate or graduate course
  - cover letter describing the submitted two (or more) non-fiction, prose documents

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Technical Communication consists of 30 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
ENG 5311	Foundations in Technical Communication	3
ENG 5383	Studies in Rhetorical Theory	3
or ENG 5326	Contemporary Composition Theory	
ENG 5312	Editing the Professional Publication	3
Choose 9 hours from the following:		9
ENG 5310	Studies in English Language and Linguistics (Digital Literacies)	
ENG 5313	Studies in Principles of Technical Communication (Digital & Print Document Design) [2]	
ENG 5313	Studies in Principles of Technical Communication (Digital Media and the Web) [2]	
ENG 5313	Studies in Principles of Technical Communication (Ethics in Technical Communication) [2]	
ENG 5313	Studies in Principles of Technical Communication (Technical Editing) [2]	
ENG 5313	Studies in Principles of Technical Communication (Visual Rhetoric) [2]	
ENG 5314	Specializations in Technical Communication (International Technical Communication) [2]	
ENG 5314	Specializations in Technical Communication (Software Documentation) [2]	
Electives		
Choose 6 hours from the following:		6
ENG 5300	Language Problems in a Multicultural Enviroment	
ENG 5310	Studies in English Language and Linguistics	
ENG 5312	Editing the Professional Publication (may be taken twice) [1]	
ENG 5313	Studies in Principles of Technical Communication [2]	
ENG 5314	Specializations in Technical Communication [2]	
ENG 5317	Specializations in Rhetoric and Composition [1]	
ENG 5324	Studies in Literary Genre	
Cognate		
Choose 6 hours of advisor-approved courses		6
Total Hours		30

[1] May be repeated a maximum of three times. Different topics are required.

[2] May be repeated a maximum of three times. Different topics are required.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in English: ENG

Courses Offered

English (ENG)

ENG 5199B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5299B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5301. Literary Scholarship.
An introduction to scholarly resources, methods, theories, and responsibilities that guide the study and interpretations of literature in English. Literary texts chosen for detailed examination vary with expertise of the instructor. Required in first year of M.A. with a Literature Major.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5302. Media Studies.
The study of film and media history, theory, and practice. Special topics may include videography, video editing, genre, filmmakers, and regional film.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5310. Studies in English Language and Linguistics.
A study of the English language, with special attention to phonology, morphology, syntax, semantics, dialectology, sociolinguistics, normal language acquisition, and/or writing and spelling systems. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5311. Foundations in Technical Communication.
An introduction to the theory and practice of technical communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5312. Editing the Professional Publication.
The editing, design, layout, and proofreading of a professional publication. This course is an internship. May be repeated one time with different emphasis.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5313. Studies in Principles of Technical Communication.
A group of courses that provide students theoretical and practical information useful in any position in technical communication. Recent emphases include Digital Media and the web, Technical Editing, and Visual Rhetoric. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5314. Specializations in Technical Communication.
A group of courses that provide students theoretical and practical information for specialized types of technical communication. Recent emphases include International Technical Communication Proposal Writing, Software Documentation and Writing for the Government. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5315. Graduate Writing Workshop.
A studio course in which the primary texts are student manuscripts. Concentrations in fiction or poetry examine principles and techniques of creating, evaluating, and revising writing in these genres. The course requires class members to review writing produced by other workshop members.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENG 5316. Foundations in Rhetoric and Composition.
A group of courses providing students with theoretical, pedagogical, and methodological foundations in the field of rhetoric and composition. Emphases vary but include Contemporary Composition Theory and Composition Pedagogy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5317. Specializations in Rhetoric and Composition.
A group of courses providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Center Theory, Practice, and Administration; Writing Across the Curriculum; Service Learning; and Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5320. Form and Theory of Fiction.
An examination of traditional and current theory and practice in fiction. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of fiction in other literatures. For M.F.A. credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5321. Contemporary Fiction.
Readings selected from canonical and/or experimental fiction. Recent emphases include novels into film, postmodern fiction, Magical Realism, and Saul Bellow. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5322. Form and Theory of Poetry.
An examination of traditional and current theory and practice in poetry. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of poetry in other literatures. For MFA credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5323. Studies in Autobiography and Biography.
A study of selected works in autobiography and biography with special attention to the art forms used in these works. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5324. Studies in Literary Genre.
A study of one or more literary genres over several historical periods or from a variety of cultural perspectives. The course focuses on genres such as the following: the epic, the novel, the short story, the lyric, the pastoral, the romance, and Irish comic fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5325. Studies in Literature of the Southwest.
Selected Texas and Southwestern writers with emphasis on fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5327. Research Methods in Rhetoric and Composition.
This course introduces research practices in rhetoric and composition, focusing on the strategies, methods, paradigms, and perspectives that characterize qualitative and quantitative research. It considers research ethics, issues of representation, and the history and role of research in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5328. Directed Portfolio.
Constitutes partial fulfillment of non-thesis option for students earning the MA in Rhetoric and Composition. Under guidance of a graduate faculty committee, students produce a portfolio of representative written work with written commentary and reflection. Repeatable once. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5331. Studies in American Poetry.
Selected poets with a survey of their works. Recent emphases include Walt Whitman, Emily Dickinson, Southern poetry, Denise Levertov, and Robert Bly. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5332. Studies in American Prose.
Selected authors with special attention to novels. Recent emphases include William Faulkner, Ernest Hemingway, Richard Wright, and Zora Neale Hurston. Repeatable with different emphases for up to nine hours of English credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5345. Southwestern Studies I: Defining the Region.
An interdisciplinary course that surveys the physical, cultural, and social history of the Southwest, emphasizing architecture, art, literature, philosophy, politics, popular culture, and technology. Historical focus from the 15th to the mid-19th century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5346. Southwestern Studies II: Consequences of Region.
Second course in a survey of physical, cultural, and social history of the Southwest, emphasizing regional and ethnic expressions of culture. This course moves from the broad overview of the first semester to more specific problems in the region and to the artistic products of regional culture. Historical focus is from the Civil War to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5353. Studies in Medieval Literature.
Emphasis on authors, contexts, and genres of the medieval period. Recent emphases include Anglo-Saxon culture, language, and literature; Chaucer; non-Chaucerian medieval literature; pilgrimage literature. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5354. Studies in Renaissance Literature.
Emphasis on authors, contexts, and genres of the Renaissance. Recent emphases include Shakespeare, Renaissance epic, Tudor humanism, and John Milton. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5359. Studies in Restoration and Eighteenth-century Literature.
Major writers of the period with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Johnson and his circle, Restoration and eighteenth-century drama, and the eighteenth-century novel. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5364. Studies in the Romantic Movement.
The works of the Early Romantics or Late Romantics in context with attention to nineteenth- and twentieth-century scholarship. Recent emphases include Blake and the other arts, Coleridge, the Wordsworths, Shelley, and Keats. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5366. Studies in Victorian Poetry.
Major Victorian poets with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Tennyson, the Brownings, the Pre-Raphaelites, and Hopkins. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5368. Studies in Victorian Prose.
Major Victorian prose writers with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include George Eliot, non-fiction Victorian prose, Victorian women novelists, and Charles Dickens. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5371. Studies in Modern British Literature.
Selected authors with a survey of their works. Recent emphases include Yeats, Wilde, Auden, and Post-World War II British poetry. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5372. Practicum in English Studies.
An introduction to key issues and concepts in the teaching of English studies. Required for first-year instructional assistants in the English Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5381. Studies in Modern British and American Drama.
A survey of major British and American dramatists and their European or world context. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

ENG 5382. Practicum in Composition.
An introduction to key issues and concepts in the teaching of expository writing at the college level. Required for first-year teaching assistants in the English Department who have not previously taken ENG 5372. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Technical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5384. Critical Theory.
A study of critical theory, emphasizing the history of criticism and/or contemporary critical theories. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5388. Studies in Literature for Children or Adolescents.
A study of contemporary works, extending the student's knowledge of the literature and criticism in the field. Typical emphases are generic and/or thematic and include picture books, the contemporary novel, and the children's classics on film. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5389. History of Children's Literature.
The history of children's literature from the Middle Ages through 1940. May be repeated with different emphases for up to six hours of graduate credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5390. Special Problems.
Independent study under supervision of a graduate faculty member in English, with in-depth readings and research focused on a special problem in literature and/or language. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5391. Directed Studies in English.
Students will conduct studies as necessary preparation for graduate-level coursework in English. The nature of the work varies depending on the student's level of academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ENG 5395. Problems in Language and Literature.
Recent emphases include literary technique and literary theory. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5399A. Thesis.
First semester of thesis enrollment. No thesis credit awarded until student has completed the thesis in English 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5399B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5599B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5999B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Technical Communication (Thesis Option)

Major Program

The Technical Communication major prepares graduates to write in technical and other professional settings and to pursue doctoral work in the field.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the

International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in 12 or more hours of undergraduate English, writing, editing, web design, or technical communication/professional writing course work
- GRE not required
- portfolio (submit the following items as a single PDF document):
  - statement of purpose explaining the reasons for pursuing the MATC and including background information that demonstrates:
    - interest and/or experience in writing, editing
    - interest and/or experience designing online or paper documents
    - other pertinent information
  - at least two non-fiction, prose documents (combined minimum of 15 pages, double-spaced) consisting of at least one academic research paper written for an undergraduate or graduate course
  - cover letter describing the submitted two (or more) non-fiction, prose documents

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Technical Communication consists of 30 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
ENG 5311	Foundations in Technical Communication	3
ENG 5326	Contemporary Composition Theory	3
or ENG 5383	Studies in Rhetorical Theory	
Choose 9 hours from the following:		9
ENG 5310	Studies in English Language and Linguistics (Digital Literacies)	
ENG 5313	Studies in Principles of Technical Communication (Digital & Print Document Design) [2]	
ENG 5313	Studies in Principles of Technical Communication (Digital Media and the Web) [2]	
ENG 5313	Studies in Principles of Technical Communication (Ethics in Technical Communication) [2]	
ENG 5313	Studies in Principles of Technical Communication (Technical Editing) [2]	
ENG 5313	Studies in Principles of Technical Communication (Visual Rhetoric) [2]	
ENG 5314	Specializations in Technical Communication (International Technical Documentation) [2]	
ENG 5314	Specializations in Technical Communication (Software Documentation) [2]	
ENG 5326	Contemporary Composition Theory (Computers and Writing)	
Electives		
Choose 9 hours from the following:		9
ENG 5300	Language Problems in a Multicultural Enviroment	
ENG 5310	Studies in English Language and Linguistics	
ENG 5312	Editing the Professional Publication (may be taken twice) [1]	
ENG 5313	Studies in Principles of Technical Communication [2]	
ENG 5314	Specializations in Technical Communication [2]	
ENG 5317	Specializations in Rhetoric and Composition [1]	
ENG 5324	Studies in Literary Genre	
Thesis		
ENG 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
ENG 5199B	Thesis	
ENG 5299B	Thesis	
ENG 5399B	Thesis	
ENG 5599B	Thesis	
ENG 5999B	Thesis	
Total Hours		30

1 May be repeated a maximum of three times. Different topics are required.

2 May be repeated a maximum of three times. Different topics are required.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in English: ENG

Courses Offered

English (ENG)

ENG 5199B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5299B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5301. Literary Scholarship.
An introduction to scholarly resources, methods, theories, and responsibilities that guide the study and interpretations of literature in English. Literary texts chosen for detailed examination vary with expertise of the instructor. Required in first year of M.A. with a Literature Major.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5302. Media Studies.
The study of film and media history, theory, and practice. Special topics may include videography, video editing, genre, filmmakers, and regional film.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5310. Studies in English Language and Linguistics.
A study of the English language, with special attention to phonology, morphology, syntax, semantics, dialectology, sociolinguistics, normal language acquisition, and/or writing and spelling systems. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5311. Foundations in Technical Communication.
An introduction to the theory and practice of technical communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5312. Editing the Professional Publication.
The editing, design, layout, and proofreading of a professional publication. This course is an internship. May be repeated one time with different emphasis.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5313. Studies in Principles of Technical Communication.
A group of courses that provide students theoretical and practical information useful in any position in technical communication. Recent emphases include Digital Media and the web, Technical Editing, and Visual Rhetoric. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5314. Specializations in Technical Communication.
A group of courses that provide students theoretical and practical information for specialized types of technical communication. Recent emphases include International Technical Communication Proposal Writing, Software Documentation and Writing for the Government. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5315. Graduate Writing Workshop.
A studio course in which the primary texts are student manuscripts. Concentrations in fiction or poetry examine principles and techniques of creating, evaluating, and revising writing in these genres. The course requires class members to review writing produced by other workshop members.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENG 5316. Foundations in Rhetoric and Composition.
A group of courses providing students with theoretical, pedagogical, and methodological foundations in the field of rhetoric and composition. Emphases vary but include Contemporary Composition Theory and Composition Pedagogy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5317. Specializations in Rhetoric and Composition.
A group of courses providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Center Theory, Practice, and Administration; Writing Across the Curriculum; Service Learning; and Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5320. Form and Theory of Fiction.
An examination of traditional and current theory and practice in fiction. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of fiction in other literatures. For M.F.A. credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5321. Contemporary Fiction.
Readings selected from canonical and/or experimental fiction. Recent emphases include novels into film, postmodern fiction, Magical Realism, and Saul Bellow. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5322. Form and Theory of Poetry.
An examination of traditional and current theory and practice in poetry. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of poetry in other literatures. For MFA credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5323. Studies in Autobiography and Biography.
A study of selected works in autobiography and biography with special attention to the art forms used in these works. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5324. Studies in Literary Genre.
A study of one or more literary genres over several historical periods or from a variety of cultural perspectives. The course focuses on genres such as the following: the epic, the novel, the short story, the lyric, the pastoral, the romance, and Irish comic fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5325. Studies in Literature of the Southwest.
Selected Texas and Southwestern writers with emphasis on fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5327. Research Methods in Rhetoric and Composition.
This course introduces research practices in rhetoric and composition, focusing on the strategies, methods, paradigms, and perspectives that characterize qualitative and quantitative research. It considers research ethics, issues of representation, and the history and role of research in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5328. Directed Portfolio.
Constitutes partial fulfillment of non-thesis option for students earning the MA in Rhetoric and Composition. Under guidance of a graduate faculty committee, students produce a portfolio of representative written work with written commentary and reflection. Repeatable once. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5331. Studies in American Poetry.
Selected poets with a survey of their works. Recent emphases include Walt Whitman, Emily Dickinson, Southern poetry, Denise Levertov, and Robert Bly. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5332. Studies in American Prose.
Selected authors with special attention to novels. Recent emphases include William Faulkner, Ernest Hemingway, Richard Wright, and Zora Neale Hurston. Repeatable with different emphases for up to nine hours of English credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5345. Southwestern Studies I: Defining the Region.
An interdisciplinary course that surveys the physical, cultural, and social history of the Southwest, emphasizing architecture, art, literature, philosophy, politics, popular culture, and technology. Historical focus from the 15th to the mid-19th century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5346. Southwestern Studies II: Consequences of Region.
Second course in a survey of physical, cultural, and social history of the Southwest, emphasizing regional and ethnic expressions of culture. This course moves from the broad overview of the first semester to more specific problems in the region and to the artistic products of regional culture. Historical focus is from the Civil War to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5353. Studies in Medieval Literature.
Emphasis on authors, contexts, and genres of the medieval period. Recent emphases include Anglo-Saxon culture, language, and literature; Chaucer; non-Chaucerian medieval literature; pilgrimage literature. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5354. Studies in Renaissance Literature.
Emphasis on authors, contexts, and genres of the Renaissance. Recent emphases include Shakespeare, Renaissance epic, Tudor humanism, and John Milton. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5359. Studies in Restoration and Eighteenth-century Literature.
Major writers of the period with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Johnson and his circle, Restoration and eighteenth-century drama, and the eighteenth-century novel. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5364. Studies in the Romantic Movement.
The works of the Early Romantics or Late Romantics in context with attention to nineteenth- and twentieth-century scholarship. Recent emphases include Blake and the other arts, Coleridge, the Wordsworths, Shelley, and Keats. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5366. Studies in Victorian Poetry.
Major Victorian poets with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Tennyson, the Brownings, the Pre-Raphaelites, and Hopkins. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5368. Studies in Victorian Prose.
Major Victorian prose writers with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include George Eliot, non-fiction Victorian prose, Victorian women novelists, and Charles Dickens. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5371. Studies in Modern British Literature.
Selected authors with a survey of their works. Recent emphases include Yeats, Wilde, Auden, and Post-World War II British poetry. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5372. Practicum in English Studies.
An introduction to key issues and concepts in the teaching of English studies. Required for first-year instructional assistants in the English Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5381. Studies in Modern British and American Drama.
A survey of major British and American dramatists and their European or world context. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

ENG 5382. Practicum in Composition.
An introduction to key issues and concepts in the teaching of expository writing at the college level. Required for first-year teaching assistants in the English Department who have not previously taken ENG 5372. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Technical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5384. Critical Theory.
A study of critical theory, emphasizing the history of criticism and/or contemporary critical theories. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5388. Studies in Literature for Children or Adolescents.
A study of contemporary works, extending the student's knowledge of the literature and criticism in the field. Typical emphases are generic and/or thematic and include picture books, the contemporary novel, and the children's classics on film. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5389. History of Children's Literature.
The history of children's literature from the Middle Ages through 1940. May be repeated with different emphases for up to six hours of graduate credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5390. Special Problems.
Independent study under supervision of a graduate faculty member in English, with in-depth readings and research focused on a special problem in literature and/or language. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5391. Directed Studies in English.
Students will conduct studies as necessary preparation for graduate-level coursework in English. The nature of the work varies depending on the student's level of academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ENG 5395. Problems in Language and Literature.
Recent emphases include literary technique and literary theory. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5399A. Thesis.
First semester of thesis enrollment. No thesis credit awarded until student has completed the thesis in English 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5399B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5599B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5999B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Technical Communication (Thesis Minor Option)

Major Program

The Technical Communication major prepares graduates to write in technical and other professional settings and to pursue doctoral work in the field.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in 12 or more hours of undergraduate English, writing, editing, web design, or technical communication/professional writing course work
- GRE not required
- portfolio (submit the following items as a single PDF document):
  - statement of purpose explaining the reasons for pursuing the MATC and including background information that demonstrates:
    - interest and/or experience in writing, editing
    - interest and/or experience designing online or paper documents
    - other pertinent information
  - at least two non-fiction, prose documents (combined minimum of 15 pages, double-spaced) consisting of at least one academic research paper written for an undergraduate or graduate course
  - cover letter describing the submitted two (or more) non-fiction, prose documents

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Technical Communication consists of 30 semester credit hours, including a minor and a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
ENG 5311	Foundations in Technical Communication	3
ENG 5326	Contemporary Composition Theory	3
or ENG 5383	Studies in Rhetorical Theory	
Choose 9 hours from the following:		9
ENG 5310	Studies in English Language and Linguistics (Digital Literacies)	
ENG 5313	Studies in Principles of Technical Communication (Digital & Print Document Design) [2]	
ENG 5313	Studies in Principles of Technical Communication (Digital Media and the Web) [2]	
ENG 5313	Studies in Principles of Technical Communication (Ethics in Technical Communication) [2]	
ENG 5313	Studies in Principles of Technical Communication (Technical Editing) [2]	
ENG 5313	Studies in Principles of Technical Communication (Visual Rhetoric) [2]	
ENG 5314	Specializations in Technical Communication (International Technical Communication) [2]	
ENG 5314	Specializations in Technical Communication (Software Documentation) [2]	
ENG 5326	Contemporary Composition Theory (Computers and Writing)	
Electives		
Choose 3 hours from the following:		3
ENG 5300	Language Problems in a Multicultural Enviroment	
ENG 5310	Studies in English Language and Linguistics	
ENG 5312	Editing the Professional Publication (may be taken twice) [1]	

ENG 5313	Studies in Principles of Technical Communication [2]	
ENG 5314	Specializations in Technical Communication [2]	
ENG 5317	Specializations in Rhetoric and Composition [1]	
ENG 5324	Studies in Literary Genre	
Thesis		
ENG 5399A	Thesis	3
Choose a minimum of 3 hours from the following		3
ENG 5199B	Thesis	
ENG 5299B	Thesis	
ENG 5399B	Thesis	
ENG 5599B	Thesis	
ENG 5999B	Thesis	
Minor		
Choose a 6-hours advisor-approved minor		6
Total Hours		30

[1] May be repeated a maximum of three times. Different topics are required.

[2] May be repeated a maximum of three times. Different topics are required.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in English: ENG

Courses Offered

English (ENG)

ENG 5199B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5299B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5301. Literary Scholarship.
An introduction to scholarly resources, methods, theories, and responsibilities that guide the study and interpretations of literature in English. Literary texts chosen for detailed examination vary with expertise of the instructor. Required in first year of M.A. with a Literature Major.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5302. Media Studies.
The study of film and media history, theory, and practice. Special topics may include videography, video editing, genre, filmmakers, and regional film.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5310. Studies in English Language and Linguistics.
A study of the English language, with special attention to phonology, morphology, syntax, semantics, dialectology, sociolinguistics, normal language acquisition, and/or writing and spelling systems. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5311. Foundations in Technical Communication.
An introduction to the theory and practice of technical communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5312. Editing the Professional Publication.
The editing, design, layout, and proofreading of a professional publication. This course is an internship. May be repeated one time with different emphasis.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5313. Studies in Principles of Technical Communication.
A group of courses that provide students theoretical and practical information useful in any position in technical communication. Recent emphases include Digital Media and the web, Technical Editing, and Visual Rhetoric. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5314. Specializations in Technical Communication.
A group of courses that provide students theoretical and practical information for specialized types of technical communication. Recent emphases include International Technical Communication Proposal Writing, Software Documentation and Writing for the Government. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5315. Graduate Writing Workshop.
A studio course in which the primary texts are student manuscripts. Concentrations in fiction or poetry examine principles and techniques of creating, evaluating, and revising writing in these genres. The course requires class members to review writing produced by other workshop members.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENG 5316. Foundations in Rhetoric and Composition.
A group of courses providing students with theoretical, pedagogical, and methodological foundations in the field of rhetoric and composition. Emphases vary but include Contemporary Composition Theory and Composition Pedagogy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5317. Specializations in Rhetoric and Composition.
A group of courses providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Center Theory, Practice, and Administration; Writing Across the Curriculum; Service Learning; and Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5320. Form and Theory of Fiction.
An examination of traditional and current theory and practice in fiction. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of fiction in other literatures. For M.F.A. credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5321. Contemporary Fiction.
Readings selected from canonical and/or experimental fiction. Recent emphases include novels into film, postmodern fiction, Magical Realism, and Saul Bellow. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5322. Form and Theory of Poetry.
An examination of traditional and current theory and practice in poetry. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of poetry in other literatures. For MFA credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5323. Studies in Autobiography and Biography.
A study of selected works in autobiography and biography with special attention to the art forms used in these works. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5324. Studies in Literary Genre.
A study of one or more literary genres over several historical periods or from a variety of cultural perspectives. The course focuses on genres such as the following: the epic, the novel, the short story, the lyric, the pastoral, the romance, and Irish comic fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5325. Studies in Literature of the Southwest.
Selected Texas and Southwestern writers with emphasis on fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5327. Research Methods in Rhetoric and Composition.
This course introduces research practices in rhetoric and composition, focusing on the strategies, methods, paradigms, and perspectives that characterize qualitative and quantitative research. It considers research ethics, issues of representation, and the history and role of research in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5328. Directed Portfolio.
Constitutes partial fulfillment of non-thesis option for students earning the MA in Rhetoric and Composition. Under guidance of a graduate faculty committee, students produce a portfolio of representative written work with written commentary and reflection. Repeatable once. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5331. Studies in American Poetry.
Selected poets with a survey of their works. Recent emphases include Walt Whitman, Emily Dickinson, Southern poetry, Denise Levertov, and Robert Bly. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5332. Studies in American Prose.
Selected authors with special attention to novels. Recent emphases include William Faulkner, Ernest Hemingway, Richard Wright, and Zora Neale Hurston. Repeatable with different emphases for up to nine hours of English credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5345. Southwestern Studies I: Defining the Region.
An interdisciplinary course that surveys the physical, cultural, and social history of the Southwest, emphasizing architecture, art, literature, philosophy, politics, popular culture, and technology. Historical focus from the 15th to the mid-19th century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5346. Southwestern Studies II: Consequences of Region.
Second course in a survey of physical, cultural, and social history of the Southwest, emphasizing regional and ethnic expressions of culture. This course moves from the broad overview of the first semester to more specific problems in the region and to the artistic products of regional culture. Historical focus is from the Civil War to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5353. Studies in Medieval Literature.
Emphasis on authors, contexts, and genres of the medieval period. Recent emphases include Anglo-Saxon culture, language, and literature; Chaucer; non-Chaucerian medieval literature; pilgrimage literature. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5354. Studies in Renaissance Literature.
Emphasis on authors, contexts, and genres of the Renaissance. Recent emphases include Shakespeare, Renaissance epic, Tudor humanism, and John Milton. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5359. Studies in Restoration and Eighteenth-century Literature.
Major writers of the period with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Johnson and his circle, Restoration and eighteenth-century drama, and the eighteenth-century novel. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5364. Studies in the Romantic Movement.
The works of the Early Romantics or Late Romantics in context with attention to nineteenth- and twentieth-century scholarship. Recent emphases include Blake and the other arts, Coleridge, the Wordsworths, Shelley, and Keats. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5366. Studies in Victorian Poetry.
Major Victorian poets with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Tennyson, the Brownings, the Pre-Raphaelites, and Hopkins. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5368. Studies in Victorian Prose.
Major Victorian prose writers with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include George Eliot, non-fiction Victorian prose, Victorian women novelists, and Charles Dickens. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5371. Studies in Modern British Literature.
Selected authors with a survey of their works. Recent emphases include Yeats, Wilde, Auden, and Post-World War II British poetry. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5372. Practicum in English Studies.
An introduction to key issues and concepts in the teaching of English studies. Required for first-year instructional assistants in the English Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5381. Studies in Modern British and American Drama.
A survey of major British and American dramatists and their European or world context. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

ENG 5382. Practicum in Composition.
An introduction to key issues and concepts in the teaching of expository writing at the college level. Required for first-year teaching assistants in the English Department who have not previously taken ENG 5372. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Technical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5384. Critical Theory.
A study of critical theory, emphasizing the history of criticism and/or contemporary critical theories. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5388. Studies in Literature for Children or Adolescents.
A study of contemporary works, extending the student's knowledge of the literature and criticism in the field. Typical emphases are generic and/or thematic and include picture books, the contemporary novel, and the children's classics on film. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5389. History of Children's Literature.
The history of children's literature from the Middle Ages through 1940. May be repeated with different emphases for up to six hours of graduate credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5390. Special Problems.
Independent study under supervision of a graduate faculty member in English, with in-depth readings and research focused on a special problem in literature and/or language. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5391. Directed Studies in English.
Students will conduct studies as necessary preparation for graduate-level coursework in English. The nature of the work varies depending on the student's level of academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ENG 5395. Problems in Language and Literature.
Recent emphases include literary technique and literary theory. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5399A. Thesis.
First semester of thesis enrollment. No thesis credit awarded until student has completed the thesis in English 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5399B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5599B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5999B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Fine Arts (M.F.A.) Major in Creative Writing (Fiction Concentration)

Program Overview

The Master of Fine Arts (M.F.A.) degree with a major in Creative Writing program offers talented writers the opportunity to develop skills as fiction writers or poets in a formal academic program.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- creative portfolio (combined into one PDF file)
  - fiction writers: 2–3 short stories or up to 30 pages of a novel
  - poets: 12–15 poems
  - fiction/creative nonfiction writers: one short story or a brief novel excerpt and one creative nonfiction essay up to 30 pages total

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Fine Arts (M.F.A.) degree with a major in Creative Writing concentration in fiction requires 48 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
ENG 5315	Graduate Writing Workshop (Repeated for a total of 12 hours)	12
ENG 5395	Problems in Language and Literature	3
ENG 5320	Form and Theory of Fiction	3
Electives		
Choose 15 hours from the following:		15
ENG 5301	Literary Scholarship	
ENG 5302	Media Studies	
ENG 5310	Studies in English Language and Linguistics	
ENG 5312	Editing the Professional Publication	
ENG 5313	Studies in Principles of Technical Communication	
ENG 5314	Specializations in Technical Communication	
ENG 5316	Foundations in Rhetoric and Composition	
ENG 5317	Specializations in Rhetoric and Composition	
ENG 5321	Contemporary Fiction	
ENG 5323	Studies in Autobiography and Biography	
ENG 5324	Studies in Literary Genre	
ENG 5325	Studies in Literature of the Southwest	
ENG 5331	Studies in American Poetry	
ENG 5332	Studies in American Prose	
ENG 5353	Studies in Medieval Literature	
ENG 5345	Southwestern Studies I: Defining the Region	
ENG 5346	Southwestern Studies II: Consequences of Region	
ENG 5353	Studies in Medieval Literature	
ENG 5354	Studies in Renaissance Literature	
ENG 5359	Studies in Restoration and Eighteenth-century Literature	
ENG 5364	Studies in the Romantic Movement	
ENG 5366	Studies in Victorian Poetry	
ENG 5368	Studies in Victorian Prose	
ENG 5381	Studies in Modern British and American Drama	
ENG 5371	Studies in Modern British Literature	
ENG 5381	Studies in Modern British and American Drama	
ENG 5384	Critical Theory	
ENG 5388	Studies in Literature for Children or Adolescents	
ENG 5389	History of Children's Literature	
ENG 5395	Problems in Language and Literature	
TH 5354	Playwriting	
TH 5358	Screenwriting	
TH 5359	Advanced Screenwriting	
Minor		
Choose a 9-hour advisor-approved minor		9
Thesis		
ENG 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
ENG 5199B	Thesis	
ENG 5299B	Thesis	
ENG 5399B	Thesis	
ENG 5599B	Thesis	
ENG 5999B	Thesis	
Total Hours		48

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision

is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in English: ENG

Courses Offered

English (ENG)

Graduate courses listed as "repeatable" ordinarily count toward nine hours of English degree credit unless otherwise indicated. Exceptions require written justification and departmental approval. Specific emphases of repeatable courses vary by term and instructor, but they may focus on literary and rhetorical forms and genres; authors, periods, or literary movements; perspectives from social, intellectual, and cultural studies; literary themes; or theoretical and practical information for technical communication. The department provides descriptions of specific courses prior to each term's enrollment period.

ENG 5199B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5299B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5301. Literary Scholarship.
An introduction to scholarly resources, methods, theories, and responsibilities that guide the study and interpretations of literature in English. Literary texts chosen for detailed examination vary with expertise of the instructor. Required in first year of M.A. with a Literature Major.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5302. Media Studies.
The study of film and media history, theory, and practice. Special topics may include videography, video editing, genre, filmmakers, and regional film.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5310. Studies in English Language and Linguistics.
A study of the English language, with special attention to phonology, morphology, syntax, semantics, dialectology, sociolinguistics, normal language acquisition, and/or writing and spelling systems. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5311. Foundations in Technical Communication.
An introduction to the theory and practice of technical communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5312. Editing the Professional Publication.
The editing, design, layout, and proofreading of a professional publication. This course is an internship. May be repeated one time with different emphasis.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5313. Studies in Principles of Technical Communication.
A group of courses that provide students theoretical and practical information useful in any position in technical communication. Recent emphases include Digital Media and the web, Technical Editing, and Visual Rhetoric. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5314. Specializations in Technical Communication.
A group of courses that provide students theoretical and practical information for specialized types of technical communication. Recent emphases include International Technical Communication Proposal Writing, Software Documentation and Writing for the Government. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5315. Graduate Writing Workshop.
A studio course in which the primary texts are student manuscripts. Concentrations in fiction or poetry examine principles and techniques of creating, evaluating, and revising writing in these genres. The course requires class members to review writing produced by other workshop members.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENG 5316. Foundations in Rhetoric and Composition.
A group of courses providing students with theoretical, pedagogical, and methodological foundations in the field of rhetoric and composition. Emphases vary but include Contemporary Composition Theory and Composition Pedagogy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5317. Specializations in Rhetoric and Composition.
A group of courses providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Center Theory, Practice, and Administration; Writing Across the Curriculum; Service Learning; and Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5320. Form and Theory of Fiction.
An examination of traditional and current theory and practice in fiction. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of fiction in other literatures. For M.F.A. credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5321. Contemporary Fiction.
Readings selected from canonical and/or experimental fiction. Recent emphases include novels into film, postmodern fiction, Magical Realism, and Saul Bellow. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5322. Form and Theory of Poetry.
An examination of traditional and current theory and practice in poetry. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of poetry in other literatures. For MFA credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5323. Studies in Autobiography and Biography.
A study of selected works in autobiography and biography with special attention to the art forms used in these works. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5324. Studies in Literary Genre.
A study of one or more literary genres over several historical periods or from a variety of cultural perspectives. The course focuses on genres such as the following: the epic, the novel, the short story, the lyric, the pastoral, the romance, and Irish comic fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5325. Studies in Literature of the Southwest.
Selected Texas and Southwestern writers with emphasis on fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5327. Research Methods in Rhetoric and Composition.
This course introduces research practices in rhetoric and composition, focusing on the strategies, methods, paradigms, and perspectives that characterize qualitative and quantitative research. It considers research ethics, issues of representation, and the history and role of research in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5328. Directed Portfolio.
Constitutes partial fulfillment of non-thesis option for students earning the MA in Rhetoric and Composition. Under guidance of a graduate faculty committee, students produce a portfolio of representative written work with written commentary and reflection. Repeatable once. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5331. Studies in American Poetry.
Selected poets with a survey of their works. Recent emphases include Walt Whitman, Emily Dickinson, Southern poetry, Denise Levertov, and Robert Bly. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5332. Studies in American Prose.
Selected authors with special attention to novels. Recent emphases include William Faulkner, Ernest Hemingway, Richard Wright, and Zora Neale Hurston. Repeatable with different emphases for up to nine hours of English credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5345. Southwestern Studies I: Defining the Region.
An interdisciplinary course that surveys the physical, cultural, and social history of the Southwest, emphasizing architecture, art, literature, philosophy, politics, popular culture, and technology. Historical focus from the 15th to the mid-19th century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5346. Southwestern Studies II: Consequences of Region.
Second course in a survey of physical, cultural, and social history of the Southwest, emphasizing regional and ethnic expressions of culture. This course moves from the broad overview of the first semester to more specific problems in the region and to the artistic products of regional culture. Historical focus is from the Civil War to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5353. Studies in Medieval Literature.
Emphasis on authors, contexts, and genres of the medieval period. Recent emphases include Anglo-Saxon culture, language, and literature; Chaucer; non-Chaucerian medieval literature; pilgrimage literature. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5354. Studies in Renaissance Literature.
Emphasis on authors, contexts, and genres of the Renaissance. Recent emphases include Shakespeare, Renaissance epic, Tudor humanism, and John Milton. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5359. Studies in Restoration and Eighteenth-century Literature.
Major writers of the period with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Johnson and his circle, Restoration and eighteenth-century drama, and the eighteenth-century novel. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5364. Studies in the Romantic Movement.
The works of the Early Romantics or Late Romantics in context with attention to nineteenth- and twentieth-century scholarship. Recent emphases include Blake and the other arts, Coleridge, the Wordsworths, Shelley, and Keats. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5366. Studies in Victorian Poetry.
Major Victorian poets with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Tennyson, the Brownings, the Pre-Raphaelites, and Hopkins. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5368. Studies in Victorian Prose.
Major Victorian prose writers with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include George Eliot, non-fiction Victorian prose, Victorian women novelists, and Charles Dickens. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5371. Studies in Modern British Literature.
Selected authors with a survey of their works. Recent emphases include Yeats, Wilde, Auden, and Post-World War II British poetry. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5372. Practicum in English Studies.
An introduction to key issues and concepts in the teaching of English studies. Required for first-year instructional assistants in the English Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5381. Studies in Modern British and American Drama.
A survey of major British and American dramatists and their European or world context. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

ENG 5382. Practicum in Composition.
An introduction to key issues and concepts in the teaching of expository writing at the college level. Required for first-year teaching assistants in the English Department who have not previously taken ENG 5372. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Technical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5384. Critical Theory.
A study of critical theory, emphasizing the history of criticism and/or contemporary critical theories. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5388. Studies in Literature for Children or Adolescents.
A study of contemporary works, extending the student's knowledge of the literature and criticism in the field. Typical emphases are generic and/or thematic and include picture books, the contemporary novel, and the children's classics on film. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5389. History of Children's Literature.
The history of children's literature from the Middle Ages through 1940. May be repeated with different emphases for up to six hours of graduate credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5390. Special Problems.
Independent study under supervision of a graduate faculty member in English, with in-depth readings and research focused on a special problem in literature and/or language. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5391. Directed Studies in English.
Students will conduct studies as necessary preparation for graduate-level coursework in English. The nature of the work varies depending on the student's level of academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ENG 5395. Problems in Language and Literature.
Recent emphases include literary technique and literary theory. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5399A. Thesis.
First semester of thesis enrollment. No thesis credit awarded until student has completed the thesis in English 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5399B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5599B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5999B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Fine Arts (M.F.A.) Major in Creative Writing (Poetry Concentration)

Program Overview

The Master of Fine Arts (M.F.A.) degree with a major in Creative Writing program offers talented writers the opportunity to develop skills as fiction writers or poets in a formal academic program.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- creative portfolio (combined into one PDF file)
  - fiction writers: 2–3 short stories or up to 30 pages of a novel
  - poets: 12–15 poems
  - fiction/creative nonfiction writers: one short story or a brief novel excerpt and one creative nonfiction essay up to 30 pages total

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Fine Arts (M.F.A.) degree with a major in Creative Writing concentration in poetry requires 48 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
ENG 5315	Graduate Writing Workshop (Repeated for a total of 12 hours)	12
ENG 5395	Problems in Language and Literature	3
ENG 5322	Form and Theory of Poetry	3
Electives		
Choose 15 hours from the following:		15
ENG 5301	Literary Scholarship	
ENG 5302	Media Studies	
ENG 5310	Studies in English Language and Linguistics	
ENG 5312	Editing the Professional Publication	
ENG 5313	Studies in Principles of Technical Communication	
ENG 5314	Specializations in Technical Communication	
ENG 5316	Foundations in Rhetoric and Composition	
ENG 5317	Specializations in Rhetoric and Composition	
ENG 5321	Contemporary Fiction	
ENG 5323	Studies in Autobiography and Biography	
ENG 5324	Studies in Literary Genre	
ENG 5325	Studies in Literature of the Southwest	
ENG 5331	Studies in American Poetry	
ENG 5332	Studies in American Prose	
ENG 5345	Southwestern Studies I: Defining the Region	
ENG 5346	Southwestern Studies II: Consequences of Region	
ENG 5353	Studies in Medieval Literature	
ENG 5354	Studies in Renaissance Literature	
ENG 5359	Studies in Restoration and Eighteenth-century Literature	
ENG 5364	Studies in the Romantic Movement	
ENG 5366	Studies in Victorian Poetry	
ENG 5368	Studies in Victorian Prose	
ENG 5371	Studies in Modern British Literature	
ENG 5381	Studies in Modern British and American Drama	
ENG 5384	Critical Theory	
ENG 5388	Studies in Literature for Children or Adolescents	
ENG 5389	History of Children's Literature	
ENG 5395	Problems in Language and Literature	
TH 5354	Playwriting	
TH 5358	Screenwriting	
TH 5359	Advanced Screenwriting	
Minor		
Choose a 9-hour advisor-approved minor		9
Thesis		
ENG 5399A	Thesis	3
Choose a minimum 3 hours from the following:		3
ENG 5199B	Thesis	
ENG 5299B	Thesis	
ENG 5399B	Thesis	
ENG 5599B	Thesis	
ENG 5999B	Thesis	
Total Hours		48

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in English: ENG

Courses Offered

English (ENG)

Graduate courses listed as "repeatable" ordinarily count toward nine hours of English degree credit unless otherwise indicated. Exceptions require written justification and departmental approval. Specific emphases of repeatable courses vary by term and instructor, but they may focus on literary and rhetorical forms and genres; authors, periods, or literary movements; perspectives from social, intellectual, and cultural

studies; literary themes; or theoretical and practical information for technical communication. The department provides descriptions of specific courses prior to each term's enrollment period.

ENG 5199B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5299B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5301. Literary Scholarship.
An introduction to scholarly resources, methods, theories, and responsibilities that guide the study and interpretations of literature in English. Literary texts chosen for detailed examination vary with expertise of the instructor. Required in first year of M.A. with a Literature Major.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5302. Media Studies.
The study of film and media history, theory, and practice. Special topics may include videography, video editing, genre, filmmakers, and regional film.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5310. Studies in English Language and Linguistics.
A study of the English language, with special attention to phonology, morphology, syntax, semantics, dialectology, sociolinguistics, normal language acquisition, and/or writing and spelling systems. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5311. Foundations in Technical Communication.
An introduction to the theory and practice of technical communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5312. Editing the Professional Publication.
The editing, design, layout, and proofreading of a professional publication. This course is an internship. May be repeated one time with different emphasis.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5313. Studies in Principles of Technical Communication.
A group of courses that provide students theoretical and practical information useful in any position in technical communication. Recent emphases include Digital Media and the web, Technical Editing, and Visual Rhetoric. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5314. Specializations in Technical Communication.
A group of courses that provide students theoretical and practical information for specialized types of technical communication. Recent emphases include International Technical Communication Proposal Writing, Software Documentation and Writing for the Government. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5315. Graduate Writing Workshop.
A studio course in which the primary texts are student manuscripts. Concentrations in fiction or poetry examine principles and techniques of creating, evaluating, and revising writing in these genres. The course requires class members to review writing produced by other workshop members.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENG 5316. Foundations in Rhetoric and Composition.
A group of courses providing students with theoretical, pedagogical, and methodological foundations in the field of rhetoric and composition. Emphases vary but include Contemporary Composition Theory and Composition Pedagogy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5317. Specializations in Rhetoric and Composition.
A group of courses providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Center Theory, Practice, and Administration; Writing Across the Curriculum; Service Learning; and Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5320. Form and Theory of Fiction.
An examination of traditional and current theory and practice in fiction. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of fiction in other literatures. For M.F.A. credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5321. Contemporary Fiction.
Readings selected from canonical and/or experimental fiction. Recent emphases include novels into film, postmodern fiction, Magical Realism, and Saul Bellow. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5322. Form and Theory of Poetry.
An examination of traditional and current theory and practice in poetry. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of poetry in other literatures. For MFA credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5323. Studies in Autobiography and Biography.
A study of selected works in autobiography and biography with special attention to the art forms used in these works. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5324. Studies in Literary Genre.
A study of one or more literary genres over several historical periods or from a variety of cultural perspectives. The course focuses on genres such as the following: the epic, the novel, the short story, the lyric, the pastoral, the romance, and Irish comic fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5325. Studies in Literature of the Southwest.
Selected Texas and Southwestern writers with emphasis on fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5327. Research Methods in Rhetoric and Composition.
This course introduces research practices in rhetoric and composition, focusing on the strategies, methods, paradigms, and perspectives that characterize qualitative and quantitative research. It considers research ethics, issues of representation, and the history and role of research in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5328. Directed Portfolio.
Constitutes partial fulfillment of non-thesis option for students earning the MA in Rhetoric and Composition. Under guidance of a graduate faculty committee, students produce a portfolio of representative written work with written commentary and reflection. Repeatable once. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5331. Studies in American Poetry.
Selected poets with a survey of their works. Recent emphases include Walt Whitman, Emily Dickinson, Southern poetry, Denise Levertov, and Robert Bly. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5332. Studies in American Prose.
Selected authors with special attention to novels. Recent emphases include William Faulkner, Ernest Hemingway, Richard Wright, and Zora Neale Hurston. Repeatable with different emphases for up to nine hours of English credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5345. Southwestern Studies I: Defining the Region.
An interdisciplinary course that surveys the physical, cultural, and social history of the Southwest, emphasizing architecture, art, literature, philosophy, politics, popular culture, and technology. Historical focus from the 15th to the mid-19th century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5346. Southwestern Studies II: Consequences of Region.
Second course in a survey of physical, cultural, and social history of the Southwest, emphasizing regional and ethnic expressions of culture. This course moves from the broad overview of the first semester to more specific problems in the region and to the artistic products of regional culture. Historical focus is from the Civil War to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5353. Studies in Medieval Literature.
Emphasis on authors, contexts, and genres of the medieval period. Recent emphases include Anglo-Saxon culture, language, and literature; Chaucer; non-Chaucerian medieval literature; pilgrimage literature. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5354. Studies in Renaissance Literature.
Emphasis on authors, contexts, and genres of the Renaissance. Recent emphases include Shakespeare, Renaissance epic, Tudor humanism, and John Milton. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5359. Studies in Restoration and Eighteenth-century Literature.
Major writers of the period with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Johnson and his circle, Restoration and eighteenth-century drama, and the eighteenth-century novel. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5364. Studies in the Romantic Movement.
The works of the Early Romantics or Late Romantics in context with attention to nineteenth- and twentieth-century scholarship. Recent emphases include Blake and the other arts, Coleridge, the Wordsworths, Shelley, and Keats. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5366. Studies in Victorian Poetry.
Major Victorian poets with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Tennyson, the Brownings, the Pre-Raphaelites, and Hopkins. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5368. Studies in Victorian Prose.
Major Victorian prose writers with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include George Eliot, non-fiction Victorian prose, Victorian women novelists, and Charles Dickens. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5371. Studies in Modern British Literature.
Selected authors with a survey of their works. Recent emphases include Yeats, Wilde, Auden, and Post-World War II British poetry. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5372. Practicum in English Studies.
An introduction to key issues and concepts in the teaching of English studies. Required for first-year instructional assistants in the English Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5381. Studies in Modern British and American Drama.
A survey of major British and American dramatists and their European or world context. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

ENG 5382. Practicum in Composition.
An introduction to key issues and concepts in the teaching of expository writing at the college level. Required for first-year teaching assistants in the English Department who have not previously taken ENG 5372. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Technical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5384. Critical Theory.
A study of critical theory, emphasizing the history of criticism and/or contemporary critical theories. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5388. Studies in Literature for Children or Adolescents.
A study of contemporary works, extending the student's knowledge of the literature and criticism in the field. Typical emphases are generic and/or thematic and include picture books, the contemporary novel, and the children's classics on film. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5389. History of Children's Literature.
The history of children's literature from the Middle Ages through 1940. May be repeated with different emphases for up to six hours of graduate credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5390. Special Problems.
Independent study under supervision of a graduate faculty member in English, with in-depth readings and research focused on a special problem in literature and/or language. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5391. Directed Studies in English.
Students will conduct studies as necessary preparation for graduate-level coursework in English. The nature of the work varies depending on the student's level of academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ENG 5395. Problems in Language and Literature.
Recent emphases include literary technique and literary theory. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5399A. Thesis.
First semester of thesis enrollment. No thesis credit awarded until student has completed the thesis in English 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5399B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5599B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5999B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Minor in Literature

The graduate minor in Literature requires 6 semester credit hours of advisor-approved English courses. Minors should have completed at least 21 hours of undergraduate English, including at least 9 hours of advanced courses, with a GPA of 2.75 or higher (4.0 scale).

Department of Geography

Evans Liberal Arts Building Room 139
Telephone: 512-245-2170 Fax: 512-245-8353
http://www.geo.txstate.edu/

Mission

The Mission of the Department of Geography is to provide its students with educational experiences of the highest quality, to conduct vital research that benefits society, and to serve our communities, from the local to the international. We are committed to outstanding teaching and scholarly activities within the framework of academic freedom, the diversity of people and ideas, a spirit of inclusiveness, and a global perspective.

Vision

The Department of Geography will continue to stress both the theoretical and applied realms in all of our degree programs. We will provide a rigorous educational experience through innovative teaching, engagement with the community, and dedication to our undergraduate and graduate students. We will increase our visibility as a research department through faculty scholarship, research grant activities, international collaborations with academic institutions, the recruiting of top students for our graduate programs, the organization of national and international conference and symposia, a robust program of scholarly exchanges, and services in academic and professional organizations.

Financial Assistance

Graduate assistantships are available to qualified candidates. Please contact the graduate program coordinator, Department of Geography, for more information about financial assistance and the degree programs. For scholarship information, please contact the office of The Graduate College at or visit their website at https://www.gradcollege.txstate.edu/funding/scholarships.html.

All students are also subject to the policies and procedures outlined in the departmental graduate student handbook available from the departmental graduate staff advisor.

Doctor of Philosophy (Ph.D.)

- Major in Geographic Education (p. 2040)
- Major in Geographic Information Science (p. 2049)
- Major in Geography (p. 2057)

Master of Applied Geography (M.A.Geo.)

- Major in Geographic Information Science (p. 2065)
- Major in Geography (p. 2071)
- Major in Geography (Geographic Education Option) (p. 2077)
- Major in Geography Resource & Environmental Studies (p. 2083)

Master of Science (M.S.)

- Major in Geography (p. 2089)

Minor

- Geography (p. 2096)

Doctor of Philosophy (Ph.D.) Major in Geographic Education

Program Overview

The course curriculum for the doctoral degree is designed to provide depth and breadth of knowledge in geographic theory and research methods. To be admitted to the geography doctoral program, a student must have completed a master's degree in geography or in a related discipline.

Each doctoral student will have their program tailored to meet the academic goals agreed upon in consultation with the Ph.D. research advisor, with the approval of the graduate program coordinator, the department chair, and the dean of The Graduate College. All programs will include the necessary core, skills, specialization, and internal and external elective courses.

Educational Goal

The educational goal of the program is to provide a Ph.D. in Geography through which students will be educated in the process of geographic research, the development of new knowledge, and the application of this research and knowledge to solve problems with spatial dimensions.

Financial Assistance

Graduate assistantships and scholarships are available to qualified candidates. Please contact the graduate staff advisor in the Department

of Geography for more information about assistantships. The Graduate College can provide further information regarding scholarships.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree in geography or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.5 GPA in all completed graduate course work
- completion of a master's thesis or demonstrated evidence of scholarly research and writing
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose explaining the student's reasons for pursuing doctoral study and academic professional interests and goals
- three letters of recommendation demonstrating adequate subject preparation in content and quality as reflected in the student's transcripts

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Geographic Education requires 46 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
GEO 7300	Advanced Geographic Research Design	3
GEO 7301	Advanced Quantitative Methods in Geography	3
GEO 7302	Nature and Philosophy of Geography	3
Skills		
Choose 4 hours from the following:		4
GEO 7415	Geographic Applications of Remote Sensing	
GEO 7417	Geographic Information Systems	
GEO 7430	Field Methods	
GEO 7447	Spatial Graphics in Geographic Education	
Specialization		
Choose 12 hours from the following:		12
GEO 7342	Theories and Methods in Geographic Education	
GEO 7344	Seminar in Geographic Curriculum	
GEO 7346	Standards and Assessment in Geography	
GEO 7447	Spatial Graphics in Geographic Education	
GEO 7371	Advanced Seminar in Geographic Education	
GEO 7390	Independent Study	
Electives		
Choose 6 hours from the following:		6
GEO 7304	Qualitative Research Methods	
GEO 7305	Historical Geography of the American Environment	
GEO 7308	Advanced Regional Field Studies	
GEO 7313	Environmental Systems Analysis	
GEO 7314	Environmental Geography of Resource Development	
GEO 7316	Remote Sensing and the Environment	
GEO 7318	GIS and Environmental Geography	
GEO 7330	Geography of Hazards	
GEO 7334	Geographic Aspects of Water	
GEO 7341	Urban Environment	
GEO 7342	Theories and Methods in Geographic Education	
GEO 7344	Seminar in Geographic Curriculum	
GEO 7346	Standards and Assessment in Geography	
GEO 7348	Ethnic Geography	
GEO 7349	Population Geography	
GEO 7361	Advanced Geographic Information Systems	
GEO 7362	Geographic Visualization	
GEO 7364	Geocomputation	
GEO 7365	Theoretical Cartography	
GEO 7366	Advanced Topics in Remote Sensing	
GEO 7370	Advanced Seminar in Environmental Geography	
GEO 7371	Advanced Seminar in Geographic Education	
GEO 7372	Seminar in Geographic Information Science	
GEO 7390	Independent Study	
GEO 7391	Foundation Studies in Geography	
GEO 7393B	Biogeography in Mountain Environments	
GEO 7393C	Managing Urbanization	
GEO 7393D	International Migration	
GEO 7393E	Geography of Land Mangagement	
GEO 7393F	Gender and Development	
GEO 7393G	Political Geography	
GEO 7393I	Contemporary Topics in Geography Education	
GEO 7393J	Soil and Society	
GEO 7393K	Biogeomorphology	
GEO 7393L	Lidar	
GEO 7393M	Global Climate Change	

GEO 7393N	Rivers and Society	
GEO 7393O	Exploring Spatial Databases	
GEO 7415	Geographic Applications of Remote Sensing	
GEO 7417	Geographic Information Systems	
GEO 7418	Technical Foundations and Methods in Geographic Information Science	
GEO 7430	Field Methods	
GEO 7447	Spatial Graphics in Geographic Education	
Dissertation		
Choose a minimum of 15 hours from the following:		15
GEO 7199B	Dissertation	
GEO 7299B	Dissertation	
GEO 7399B	Dissertation	
GEO 7599B	Dissertation	
GEO 7699B	Dissertation	
GEO 7999B	Dissertation	
Total Hours		46

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Applications for Advancement to Candidacy

The student will need to download the Application for Advancement to Candidacy form from The Graduate College website. The student will need to complete the form and return it to their department, who will then submit it to The Graduate College for approval.

Advancement to Candidacy Time Limit

Doctoral students will need to be advanced to candidacy within four years of initiating Ph.D. course work. A student will need to indicate their intent to advance to candidacy during the term in which the student will complete the 31 hours of required course work.

No credit will be applied toward a student's doctoral degree for course work completed more than four years before the date on which the student is to advance to candidacy. This time limit applies toward credit earned at Texas State as well as credit transferred to Texas State from other accredited institutions.

Requests for a time extension must be submitted to the student's Ph.D. advisor and graduate coordinator who, in turn, submits a recommendation to the dean of The Graduate College.

Grade-Point Requirements for Advancement to Candidacy

To be eligible for advancement to candidacy, the student must have a minimum GPA of 3.0. No grade earned below "B" on any graduate course work may apply toward a Ph.D. at Texas State.

Incomplete grades must be cleared through the office of The Graduate College at least ten days before the approval for advancement to candidacy.

Semester Hour Requirements

The student must complete 31 semester hours of graduate course work to meet the minimum requirements for advancement to candidacy. In some cases, a student may need to complete additional hours before being allowed to advance to candidacy. The student must have satisfied the residency requirement of 18 graduate credit hours.

Advancement to Candidacy Comprehensive Examination

All applicants for advancement to candidacy for the doctoral degree must pass a comprehensive examination. The examination procedure may be obtained from the graduate staff advisor. Both prevailing expectations in the field and the actual courses taken by the candidate will determine the subject matter of the examination. This examination may not be taken until all required course work has been completed. The student may take the candidacy comprehensive examination without being enrolled in course work provided they have not been enrolled in dissertation course(s).

Arrangements for the examination will be made with the student's Ph.D. advisor. The results of the "Advancement to Candidacy Comprehensive Examination" must be filed in the office of The Graduate College before final approval to advance to candidacy is given by the dean of The Graduate College. The department is responsible for submitting the report to the office of The Graduate College.

Dissertation Proposal

The dissertation proposal must be approved by the dean of The Graduate College and successfully defended in front of the dissertation committee before a student can advance to candidacy. Information about the dissertation procedures can be found in the "Dissertation Research and Writing" section of this catalog.

Recommendation for Advancement to Candidacy

The geography graduate committee recommends the applicant for advancement to candidacy to the chair of the Department of Geography and the dean of The Graduate College. The dean of The Graduate College certifies the applicant for advancement to candidacy once all requirements have been completed.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must be an original contribution to scholarship and the result of independent investigation in a significant area. Preparation of the dissertation must follow the latest edition of Kate L. Turabian's *A Manual for Writers* or the *Annals of the Association of American Geographers*.

Dissertation Enrollment Requirements

Enrollment

After being admitted to candidacy, students must be continuously enrolled each term for dissertation hours. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student must be enrolled in dissertation hours for that term. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred.

Hours

Students must complete a minimum of 15 semester hours of dissertation research and writing credit.

Dissertation Time Limit

Students are expected to complete the dissertation within three years of advancement to candidacy. The geography graduate committee will review the student's progress annually.

Ph.D. Advisory Committee

The Ph.D. advisory committee must be formed to oversee the research and writing of the dissertation. The Ph.D. advisory committee will include a Ph.D. advisor and a minimum of three additional committee members (two of whom must be from the Department of Geography and one from outside the department). The members must be chosen from qualified Ph.D. faculty. The Ph.D. advisor and the advisory committee will be selected in consultation with the student and through mutual agreement with committee members. The Ph.D. advisor will chair the dissertation committee and must be from the major department. The advisor and advisory committee must be approved by the graduate program coordinator, the department chair, as listed on the "Dissertation Committee Request" form and submitted to the dean of The Graduate College for final approval.

Committee Changes

Any changes to the advisory committee must be submitted for approval to the advisory committee chair, the graduate coordinator, the department chair, and the dean of The Graduate College. Changes must be submitted no less than sixty days before the final oral comprehensive examination. The "Dissertation Advisor/Committee Member Change Request" form may be obtained from The Graduate College website.

Dissertation Proposal

Students must submit the dissertation proposal and one copy of the official "Dissertation Proposal" form to their dissertation advisor. After obtaining **original** committee members' signatures and the department chair's signature, the student must submit the dissertation proposal and the form to the dean of The Graduate College for approval before proceeding with research on the dissertation. The proposal form may be obtained from The Graduate College website.

Defense of the Dissertation Proposal

Students must defend the dissertation proposal in an oral examination with the Ph.D. advisory committee. The examination will address the proposed dissertation topic (problem definition and scope), research method, and relevant literature. The advisory committee must sign the "Defense of the Dissertation Proposal" form and then submit it for the signature of the department chair. The original must be sent to the office of The Graduate College.

Final Oral Comprehensive Examination

Students must pass the final oral examination that covers the dissertation and the general field of the dissertation. To schedule the final oral examination, the student must apply to their Ph.D. advisor the term that they complete the dissertation. A completed "Doctoral Comprehensive Examination Report" form must be submitted to the dean of The Graduate College.

Approval and Submission of the Dissertation and Abstract

The approval of the dissertation requires positive votes from the Ph.D. advisor and from a majority of the members of the Ph.D. advisory committee. One copy of the dissertation and the signed "Thesis/Dissertation Committee Approval" form must be submitted to the dean of The Graduate College for final approval once the committee has approved the dissertation. Refer to the *Graduate College Guide to Preparing and Submitting a Thesis/Dissertation* (available on The Graduate College website) for specific submission guidelines.

Doctoral level courses in Geography: GEO

Courses Offered

Geography (GEO)

GEO 7190. Independent Study.
Research in geography under the direction of a supervising professor. Repeatable once for additional credit with a different topic.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7199A. Dissertation.
Original research and writing in Geography is to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7199B. Dissertation.
Original research and writing in Geographic Education is to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7199C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7290. Independent Study.
This course is designed to provide a student with credit while conducting independent research in consultation with his or her research advisor. Repeatable once for additional credit with a different topic.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7299A. Dissertation.
Original research and writing in Geography to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7299B. Dissertation.
Original research and writing in Geographic Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7299C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7300. Advanced Geographic Research Design.
The purpose of this course is to develop an appreciation for the process of research as practiced by contemporary professional geographers. Topics covered include formulating research problems, reviewing and critiquing published literature, developing and executing a research design, and completing a research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7301. Advanced Quantitative Methods in Geography.
How to mathematically and statistically model geographic problems is the focus of this course. The application of multivariate statistical techniques to geographic problems and the problems that spatial data create in the application of statistical and other quantitative techniques are central issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7302. Nature and Philosophy of Geography.
This course is a critical analysis of the historical development of geographic thought: its roots, its present status, and future directions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7304. Qualitative Research Methods.
This course introduces the qualitative research paradigm, including research design, methods of data collection, and inductive analysis. Standards of scientific research that call for a deeper evaluation of complex social relationships are emphasized. The focus and application will be oriented towards human geography and nature-society relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7305. Historical Geography of the American Environment.
This course examines the spatial evolution of environmental problems in the United States using the techniques and analytical perspectives of historical geography. Special emphasis is given to the emergence of environmental problems in the context of urbanization and industrialism. The course will expose students to the most significant work by geographers in this area to date, and to the historical development of environmental geographic analysis in the U.S.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7308. Advanced Regional Field Studies.
Advanced study of geographic phenomena during field excursions to a particular site or region. Course includes preparation of site inventory, site guides, and on-site presentations. Repeatable once for additional credit with a different site or region.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7313. Environmental Systems.
Theories and concepts involved in environmental systems will be examined. Tools and research issues relevant to their analysis will also be explored. Basic principles, as well as specific research questions and techniques, will be proposed to give students a foundation for analysis of current issues involving environmental systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7314. Geography of Resource Development.
This course will provide a detailed and in-depth analysis of theories, policies, and practices regarding resource development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7316. Remote Sensing and the Environment.
A detailed examination and implementation of sophisticated approaches for processing satellite digital images with emphasis on environmental applications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7318. GIS and Environmental Geography.
This course examines the nature of environmental problems and explores the potential of GIS for environmental modeling and management. The conceptual basis for using GIS as well as the framing of environmental research problems will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7330. Geography of Hazards.
This seminar examines research on issues related to the geography of hazards. Topics will be determined by instructor and student interests. Special emphasis will be placed on conceptual, theoretical, and methodological approaches to advance the study of spatial aspects of hazards such as risk, vulnerability, resilience, relief, recovery, and change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7334. Geographic Aspects of Water.
This seminar is a critical analysis of developmental and current literature that define water's critical role in determining the physical and cultural characteristics of the earth. Principal focus will be placed on water's role on land use and as a critical resource.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7341. Urban Environment.
Students in this course will critically engage with scholarly and governmental research relating to urban environments, urban environmentalism, and urban environmental management. Emphasis is placed on students developing and executing a unique, topically relevant research project aimed at improving our understanding of the way in which human-environment interaction influences, and is influenced by, urban geography and the urban experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7342. Theories and Methods in Geographic Education.
This seminar is a critical analysis of previous and current literature concerning problems in pedagogy, philosophy, learning theory, research methods, teaching methodologies, and techniques of geographic education. A research paper will be required of each student on a topic related to the course content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7344. Seminar in Geographic Curriculum.
The seminar will be a survey and discussion of major curricula in geographic education. Geography will be viewed as a school subject that is part of the social studies, as an element of interdisciplinary studies, and as a stand alone subject.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7346. Standards and Assessment in Geography.
An introduction to assessment procedures in geography education is central to the course. Analysis of national standards in geography and how they have affected geographic learning in grades K-12 will be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7348. Ethnic Geography.
This course will engage student in the in-depth critical analysis of the theories and methods of ethnic geography. The students will conduct careful research on a topic in ethnic geography. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 7349. Population Geography.
An in-depth study of the growth, movement, and spatial distribution of human populations is the central theme. Students will read and discuss professional articles that stress both theory and analytical techniques. Topics will include population growth and the environment, rural and small town depopulation, spatial diffusion processes, migration trends and theories, urban population growth, and techniques such as multivariate analysis and population projections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7350. Practicum in Teaching Geography.
This course introduces key concepts in teaching geography and provides regular training and planned periodic evaluations of instructional responsibilities. Course topics include instructional and assessment strategies in geography and classroom management. This course is required for first-year instructional assistants in the Geography Department. Students do not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

GEO 7361. Advanced Geographic Information Systems.
This course provides exposure to advanced topics in GIS, particularly to quantitative methods and techniques for developing and interpreting models of natural and anthropogenic phenomena over the geographical space.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7362. Geographic Visualization.
This course focuses on the interdisciplinary field of Geographic Visualization. Students will review visualization research in computer graphics, human computer interaction, GIScience, and cartography and relate the research approaches to useful and usable geographic visualizations. Prerequisite: GEO 3411 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7364. Geocomputation.
Geocomputation reviews and analyzes concepts of computational modeling in Geography. The course will include modeling theory and advanced topics such as parallel processing, neural networks, cellular automata, scientific visualization, and fuzzy modeling. Students will practice model development, specifically spatially explicit simulation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7365. Theoretical Cartography.
This course focuses on theoretical developments in cartography, and in particular looks at the role of maps and other graphic devices as tools for the discovery, analysis, and communication of geographical knowledge. Prerequisite: GEO 3411 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7366. Advanced Topics in Remote Sensing.
The course focuses on advanced topics including the theoretical basis, mathematical foundations, and current research frontiers in remote sensing. Prerequisite: GEO 5415 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7370. Advanced Seminar in Environmental Geography.
This research seminar focuses on the methods, approaches, issues, and concepts of major themes in environmental geography. Special emphasis will be placed on theoretical and conceptual understandings of how humans interact with the environment from a geographical perspective. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7371. Advanced Seminar in Geographic Education.
This research seminar analyzes literature and research into recent trends in geographic education. Emphasis will be on new developments in curriculum, content, and teaching methodologies. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7372. Seminar in Geographic Information Science.
This course deals with advanced and current research issues in Geographic Information Science. Based on this objective, the course aims at educating doctoral students to conduct research in Geographic Information Science as well as develop innovative applications of Geographic Information Science. May be repeated for credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7390. Independent Study.
Research in geography under the direction of a supervising professor. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7391. Foundation Studies in Geography.
Students develop knowledge and skills required for success in graduate-level coursework in Geography. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

GEO 7393B. Biogeography in Mountain Environments.
This course examines how plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms and geological factors affect spatial distribution of animals and plants; all within the environmental limitation and conditions of mountains. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

GEO 7393C. Managing Urbanization.
This course examines survey methods and procedures related to managing and preparing for urban growth. Selected topics for examination include transportation planning, housing, historic preservation, and environmental design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393D. International Migration.
This course provides a survey of geographic and social science research conducted across various topics of international migration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393E. Geography of Land Mangagement.
This course explores U.S. land management philosophies, techniques, and development approaches. Major topics include land ethics/philosophies, U.S. traditions in cadastral geography, urban sprawl and green development, land conservation techniques, the role of local/state/federal regulation in land management, and the human-environment impacts of land development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393F. Gender and Development.
This course is a survey of geographic and social science research conducted across various topics of gender studies and international development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393G. Political Geography.
This course is a survey of geographic and social science research conducted across various topics of political geography.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393I. Contemporary Topics in Geography Education.
This course will be a survey of recent initiatives in geography education. This course will focus on areas such as research, assessment, and the development and use of instructional materials in relation to the National Science Foundation funded "Road Map for 21st Century Geography Education".
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393J. Soil and Society.
This course explores the importance of soil resources for environmental and socioeconomic sustainability. Soil science will be introduced, but the majority of the course will focus on soil's value to societies. Specific topics that will be explored include soil geography, historical abuses of soil resources, and current conservation efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393K. Biogeomorphology.
This course will examine the ways in which plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms, and geological factors affect spatial distributions of animals and plants. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393L. Lidar.
This course is an introduction to Light Detection and Ranging (lidar) systems for mapping and analysis. Students will learn to successfully apply knowledge of lidar sensors and technology for a variety of geographic information science applications. Students must have prior knowledge and experience with GIS analysis and mapping tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393M. Global Climate Change.
This course examines various implications of global climate change, including impacts on science, politics, and society. Emphasis will be placed on anthropogenic influences across the 20th and 21st centuries, contemporary mitigation options, and future adaptation strategies amidst a complex and dynamic climate system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393N. Rivers and Society.
This course examines river system processes and how they are influenced by human activities. We will discuss the principles and practices of large-scale river basin management with an emphasis on the different perspectives and motivations driving different management goals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393O. Exploring Spatial Databases.
This course covers principles of spatial ontologies and spatial semantics to facilitate appropriate database conceptualization, design and implementation. Course assignments and projects will provide in-depth experience with database query languages. Many DBMSs will be reviewed, but practical work will be completed with RDBMSs. Prerequisite: GEO 5418 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393P. Advanced Seminar in Human Geography.
This course will engage students in systematic critical analysis of the theories and methods of human geography. The students will conduct careful research on a topic in human geography.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393Q. Geomorphology in the Anthropocene.
This course will examine the ways in which humans interact with and affect geomorphological processes and landforms, and how humans directly act as geomorphological agents. The level at which human activities have transformed the surface of the Earth will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393R. Social Theory, Space and Geography.
This course examines key texts and concepts in social and political theory, focusing on theories of space and their mobilization in geographical research. Space and geography are approached with respect to several topics, including structuralism and agency; feminist theory and embodiment; assemblage thinking and actor-network theory; governance; and scale.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7399A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7399B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7399C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7415. Geographic Applications of Remote Sensing.
Students will focus on geographic applications of the principles and practices of digital image processing, classification, and modeling using satellite images.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7417. Geographic Information Systems.
Course is concerned with the analysis of interpretation of maps stored in digital form. Students are introduced to the concepts involving computerized cartographic and geographic data input, storage and retrieval, data manipulation and analysis, graphic and tabular report generation, and cartographic modeling.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7418. Technical Foundations and Methods in Geographic Information Science.
This course addresses technical foundations and methods in management, analysis, visualization, and dissemination of geographically-referenced data and information in digital form. Topics include data structures, algorithms, and a variety of methods used in GIS and spatial data analysis.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7430. Field Methods.
Methods and techniques for observing, measuring, recording, and reporting on geographic phenomena are investigated in this course. Students will learn the use of instruments and materials in the collection of data for mapping and field research in the local area. Prerequisites: GEO 2410 and GEO 3301 both with grades of "D" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7447. Spatial Graphics in Geographic Education.
This course examines traditional and innovative geoinformation and geovisualization technologies and their relationship to spatial thinking and the teaching and learning of geography. The course reviews academic literature, research methods, and teaching methodologies related to spatial graphics in geographic education. The lab portion provides geovisualization design skills for geographic education.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7599A. Dissertation.
Original research and writing in Geography to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7599B. Dissertation.
Original research and writing in Geographic Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7599C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Doctor of Philosophy (Ph.D.) Major in Geographic Information Science

Program Overview

The course curriculum for the doctoral degree is designed to provide depth and breadth of knowledge in geographic theory and research methods. To be admitted to the Geography Doctoral program, a student must have completed a Master's Degree in Geography or in a related discipline.

Each doctoral student will have her/his program tailored to meet the academic goals agreed upon in consultation with the Ph.D. research advisor, with the approval of the graduate program coordinator, the department chair, and the dean of The Graduate College. All programs will include the necessary core, skills, specialization, and internal and external elective courses.

Educational Goal

The educational goal of the program is to provide a Ph.D. in Geography through which students will be educated in the process of geographic research, the development of new knowledge, and the application of this research and knowledge to solve problems with spatial dimensions.

Financial Assistance

Graduate assistantships and scholarships are available to qualified candidates. Please contact the graduate staff advisor in the Department of Geography for more information about assistantships. The Graduate College can provide further information regarding scholarships.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree in geography or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.5 GPA in all completed graduate course work
- completion of a master's thesis or demonstrated evidence of scholarly research and writing
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose explaining the student's reasons for pursuing doctoral study and academic professional interests and goals
- three letters of recommendation demonstrating adequate subject preparation in content and quality as reflected in the student's transcripts

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Geographic Information Science requires 46 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
GEO 7300	Advanced Geographic Research Design	3
GEO 7301	Advanced Quantitative Methods in Geography	3
GEO 7302	Nature and Philosophy of Geography	3
GEO 7418	Technical Foundations and Methods in Geographic Information Science	4
Specialization		
Choose 12 hours from the following:		12
GEO 7316	Remote Sensing and the Environment	
GEO 7318	GIS and Environmental Geography	
GEO 7361	Advanced Geographic Information Systems	
GEO 7362	Geographic Visualization	
GEO 7364	Geocomputation	
GEO 7365	Theoretical Cartography	
GEO 7366	Advanced Topics in Remote Sensing	
GEO 7372	Seminar in Geographic Information Science	
GEO 7447	Spatial Graphics in Geographic Education	
Electives		
Choose 6 hours from the following:		6
GEO 7304	Qualitative Research Methods	
GEO 7305	Historical Geography of the American Environment	
GEO 7308	Advanced Regional Field Studies	
GEO 7313	Environmental Systems Analysis	
GEO 7314	Environmental Geography of Resource Development	

GEO 7316	Remote Sensing and the Environment	
GEO 7318	GIS and Environmental Geography	
GEO 7330	Geography of Hazards	
GEO 7334	Geographic Aspects of Water	
GEO 7341	Urban Environment	
GEO 7342	Theories and Methods in Geographic Education	
GEO 7344	Seminar in Geographic Curriculum	
GEO 7346	Standards and Assessment in Geography	
GEO 7348	Ethnic Geography	
GEO 7349	Population Geography	
GEO 7361	Advanced Geographic Information Systems	
GEO 7362	Geographic Visualization	
GEO 7364	Geocomputation	
GEO 7365	Theoretical Cartography	
GEO 7366	Advanced Topics in Remote Sensing	
GEO 7370	Advanced Seminar in Environmental Geography	
GEO 7371	Advanced Seminar in Geographic Education	
GEO 7372	Seminar in Geographic Information Science	
GEO 7390	Independent Study	
GEO 7391	Foundation Studies in Geography	
GEO 7393B	Biogeography in Mountain Environments	
GEO 7393C	Managing Urbanization	
GEO 7393D	International Migration	
GEO 7393E	Geography of Land Mangagement	
GEO 7393F	Gender and Development	
GEO 7393G	Political Geography	
GEO 7393I	Contemporary Topics in Geography Education	
GEO 7393J	Soil and Society	
GEO 7393K	Biogeomorphology	
GEO 7393L	Lidar	
GEO 7393M	Global Climate Change	
GEO 7393N	Rivers and Society	
GEO 7393O	Exploring Spatial Databases	
GEO 7415	Geographic Applications of Remote Sensing	
GEO 7417	Geographic Information Systems	
GEO 7418	Technical Foundations and Methods in Geographic Information Science	
GEO 7430	Field Methods	
GEO 7447	Spatial Graphics in Geographic Education	
Dissertation		
Choose a minimum of 15 hours from the following:		15
GEO 7199C	Dissertation	
GEO 7299C	Dissertation	
GEO 7399C	Dissertation	
GEO 7699C	Dissertation	
GEO 7999C	Dissertation	
Total Hours		46

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Applications for Advancement to Candidacy

The student will need to download the Application for Advancement to Candidacy form from The Graduate College website. The student will need to complete the form and return it to their department, who will then submit it to The Graduate College for approval.

Advancement to Candidacy Time Limit

Doctoral students will need to be advanced to candidacy within four years of initiating Ph.D. course work. A student will need to indicate their intent to advance to candidacy during the term in which the student will complete the 31 hours of required course work.

No credit will be applied toward a student's doctoral degree for course work completed more than four years before the date on which the student is to advance to candidacy. This time limit applies toward credit earned at Texas State as well as credit transferred to Texas State from other accredited institutions.

Requests for a time extension must be submitted to the student's Ph.D. advisor and graduate coordinator who, in turn, submits a recommendation to the dean of The Graduate College.

Grade-Point Requirements for Advancement to Candidacy

To be eligible for advancement to candidacy, the student must have a minimum GPA of 3.0. No grade earned below "B" on any graduate course work may apply toward a Ph.D. at Texas State.

Incomplete grades must be cleared through the office of The Graduate College at least ten days before the approval for advancement to candidacy.

Semester Hour Requirements

The student must complete 31 semester hours of graduate course work to meet the minimum requirements for advancement to candidacy. In some cases, a student may need to complete additional hours before being allowed to advance to candidacy. The student must have satisfied the residency requirement of 18 graduate credit hours.

Advancement to Candidacy Comprehensive Examination

All applicants for advancement to candidacy for the doctoral degree must pass a comprehensive examination. The examination procedure may be obtained from the graduate staff advisor. Both prevailing expectations in the field and the actual courses taken by the candidate will determine the subject matter of the examination. This examination may not be taken until all required course work has been completed. The student may take the candidacy comprehensive examination without being enrolled in course work provided they have not been enrolled in dissertation course(s).

Arrangements for the examination will be made with the student's Ph.D. advisor. The results of the "Advancement to Candidacy Comprehensive Examination" must be filed in the office of The Graduate College before final approval to advance to candidacy is given by the dean of The

Graduate College. The department is responsible for submitting the report to the office of The Graduate College.

Dissertation Proposal

The dissertation proposal must be approved by the dean of The Graduate College and successfully defended in front of the dissertation committee before a student can advance to candidacy. Information about the dissertation procedures can be found in the "Dissertation Research and Writing" section of this catalog.

Recommendation for Advancement to Candidacy

The geography graduate committee recommends the applicant for advancement to candidacy to the chair of the Department of Geography and the dean of The Graduate College. The dean of The Graduate College certifies the applicant for advancement to candidacy once all requirements have been completed.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must be an original contribution to scholarship and the result of independent investigation in a significant area. Preparation of the dissertation must follow the latest edition of Kate L. Turabian's *A Manual for Writers* or the *Annals of the Association of American Geographers*.

Dissertation Enrollment Requirements

Enrollment

After being admitted to candidacy, students must be continuously enrolled each term for dissertation hours. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student must be enrolled in dissertation hours for that term. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred.

Hours

Students must complete a minimum of 15 semester hours of dissertation research and writing credit.

Dissertation Time Limit

Students are expected to complete the dissertation within three years of advancement to candidacy. The geography graduate committee will review the student's progress annually.

Ph.D. Advisory Committee

The Ph.D. advisory committee must be formed to oversee the research and writing of the dissertation. The Ph.D. advisory committee will include a Ph.D. advisor and a minimum of three additional committee members (two of whom must be from the Department of Geography and one from outside the department). The members must be chosen from qualified Ph.D. faculty. The Ph.D. advisor and the advisory committee will be selected in consultation with the student and through mutual agreement with committee members. The Ph.D. advisor will chair the dissertation committee and must be from the major department. The advisor and advisory committee must be approved by the graduate program coordinator, the department chair, as listed on the "Dissertation Committee Request" form and submitted to the dean of The Graduate College for final approval.

Committee Changes

Any changes to the advisory committee must be submitted for approval to the advisory committee chair, the graduate coordinator, the department chair, and the dean of The Graduate College. Changes must be submitted no less than sixty days before the final oral comprehensive examination. The "Dissertation Advisor/Committee Member Change Request" form may be obtained from The Graduate College website.

Dissertation Proposal

Students must submit the dissertation proposal and one copy of the official "Dissertation Proposal" form to their dissertation advisor. After obtaining **original** committee members' signatures and the department chair's signature, the student must submit the dissertation proposal and the form to the dean of The Graduate College for approval before proceeding with research on the dissertation. The proposal form may be obtained from The Graduate College website.

Defense of the Dissertation Proposal

Students must defend the dissertation proposal in an oral examination with the Ph.D. advisory committee. The examination will address the proposed dissertation topic (problem definition and scope), research method, and relevant literature. The advisory committee must sign the "Defense of the Dissertation Proposal" form and then submit it for the signature of the department chair. The original must be sent to the office of The Graduate College.

Final Oral Comprehensive Examination

Students must pass the final oral examination that covers the dissertation and the general field of the dissertation. To schedule the final oral examination, the student must apply to their Ph.D. advisor the term that they complete the dissertation. A completed "Doctoral Comprehensive Examination Report" form must be submitted to the dean of The Graduate College.

Approval and Submission of the Dissertation and Abstract

The approval of the dissertation requires positive votes from the Ph.D. advisor and from a majority of the members of the Ph.D. advisory committee. One copy of the dissertation and the signed "Thesis/Dissertation Committee Approval" form must be submitted to the dean of The Graduate College for final approval once the committee has approved the dissertation. Refer to the *Graduate College Guide to Preparing and Submitting a Thesis/Dissertation* (available on The Graduate College website) for specific submission guidelines.

Doctoral level courses in Geography: GEO

Courses Offered

Geography (GEO)

GEO 7190. Independent Study.
Research in geography under the direction of a supervising professor. Repeatable once for additional credit with a different topic.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7199A. Dissertation.
Original research and writing in Geography is to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7199B. Dissertation.
Original research and writing in Geographic Education is to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7199C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7290. Independent Study.
This course is designed to provide a student with credit while conducting independent research in consultation with his or her research advisor. Repeatable once for additional credit with a different topic.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7299A. Dissertation.
Original research and writing in Geography to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7299B. Dissertation.
Original research and writing in Geographic Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7299C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7300. Advanced Geographic Research Design.
The purpose of this course is to develop an appreciation for the process of research as practiced by contemporary professional geographers. Topics covered include formulating research problems, reviewing and critiquing published literature, developing and executing a research design, and completing a research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7301. Advanced Quantitative Methods in Geography.
How to mathematically and statistically model geographic problems is the focus of this course. The application of multivariate statistical techniques to geographic problems and the problems that spatial data create in the application of statistical and other quantitative techniques are central issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7302. Nature and Philosophy of Geography.
This course is a critical analysis of the historical development of geographic thought: its roots, its present status, and future directions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7304. Qualitative Research Methods.
This course introduces the qualitative research paradigm, including research design, methods of data collection, and inductive analysis. Standards of scientific research that call for a deeper evaluation of complex social relationships are emphasized. The focus and application will be oriented towards human geography and nature-society relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7305. Historical Geography of the American Environment.
This course examines the spatial evolution of environmental problems in the United States using the techniques and analytical perspectives of historical geography. Special emphasis is given to the emergence of environmental problems in the context of urbanization and industrialism. The course will expose students to the most significant work by geographers in this area to date, and to the historical development of environmental geographic analysis in the U.S.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7308. Advanced Regional Field Studies.
Advanced study of geographic phenomena during field excursions to a particular site or region. Course includes preparation of site inventory, site guides, and on-site presentations. Repeatable once for additional credit with a different site or region.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7313. Environmental Systems.
Theories and concepts involved in environmental systems will be examined. Tools and research issues relevant to their analysis will also be explored. Basic principles, as well as specific research questions and techniques, will be proposed to give students a foundation for analysis of current issues involving environmental systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7314. Geography of Resource Development.
This course will provide a detailed and in-depth analysis of theories, policies, and practices regarding resource development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7316. Remote Sensing and the Environment.
A detailed examination and implementation of sophisticated approaches for processing satellite digital images with emphasis on environmental applications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7318. GIS and Environmental Geography.
This course examines the nature of environmental problems and explores the potential of GIS for environmental modeling and management. The conceptual basis for using GIS as well as the framing of environmental research problems will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7330. Geography of Hazards.
This seminar examines research on issues related to the geography of hazards. Topics will be determined by instructor and student interests. Special emphasis will be placed on conceptual, theoretical, and methodological approaches to advance the study of spatial aspects of hazards such as risk, vulnerability, resilience, relief, recovery, and change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7334. Geographic Aspects of Water.
This seminar is a critical analysis of developmental and current literature that define water's critical role in determining the physical and cultural characteristics of the earth. Principal focus will be placed on water's role on land use and as a critical resource.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7341. Urban Environment.
Students in this course will critically engage with scholarly and governmental research relating to urban environments, urban environmentalism, and urban environmental management. Emphasis is placed on students developing and executing a unique, topically relevant research project aimed at improving our understanding of the way in which human-environment interaction influences, and is influenced by, urban geography and the urban experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7342. Theories and Methods in Geographic Education.
This seminar is a critical analysis of previous and current literature concerning problems in pedagogy, philosophy, learning theory, research methods, teaching methodologies, and techniques of geographic education. A research paper will be required of each student on a topic related to the course content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7344. Seminar in Geographic Curriculum.
The seminar will be a survey and discussion of major curricula in geographic education. Geography will be viewed as a school subject that is part of the social studies, as an element of interdisciplinary studies, and as a stand alone subject.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7346. Standards and Assessment in Geography.
An introduction to assessment procedures in geography education is central to the course. Analysis of national standards in geography and how they have affected geographic learning in grades K-12 will be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7348. Ethnic Geography.
This course will engage student in the in-depth critical analysis of the theories and methods of ethnic geography. The students will conduct careful research on a topic in ethnic geography. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 7349. Population Geography.
An in-depth study of the growth, movement, and spatial distribution of human populations is the central theme. Students will read and discuss professional articles that stress both theory and analytical techniques. Topics will include population growth and the environment, rural and small town depopulation, spatial diffusion processes, migration trends and theories, urban population growth, and techniques such as multivariate analysis and population projections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7350. Practicum in Teaching Geography.
This course introduces key concepts in teaching geography and provides regular training and planned periodic evaluations of instructional responsibilities. Course topics include instructional and assessment strategies in geography and classroom management. This course is required for first-year instructional assistants in the Geography Department. Students do not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

GEO 7361. Advanced Geographic Information Systems.
This course provides exposure to advanced topics in GIS, particularly to quantitative methods and techniques for developing and interpreting models of natural and anthropogenic phenomena over the geographical space.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7362. Geographic Visualization.
This course focuses on the interdisciplinary field of Geographic Visualization. Students will review visualization research in computer graphics, human computer interaction, GIScience, and cartography and relate the research approaches to useful and usable geographic visualizations. Prerequisite: GEO 3411 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7364. Geocomputation.
Geocomputation reviews and analyzes concepts of computational modeling in Geography. The course will include modeling theory and advanced topics such as parallel processing, neural networks, cellular automata, scientific visualization, and fuzzy modeling. Students will practice model development, specifically spatially explicit simulation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7365. Theoretical Cartography.
This course focuses on theoretical developments in cartography, and in particular looks at the role of maps and other graphic devices as tools for the discovery, analysis, and communication of geographical knowledge. Prerequisite: GEO 3411 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7366. Advanced Topics in Remote Sensing.
The course focuses on advanced topics including the theoretical basis, mathematical foundations, and current research frontiers in remote sensing. Prerequisite: GEO 5415 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7370. Advanced Seminar in Environmental Geography.
This research seminar focuses on the methods, approaches, issues, and concepts of major themes in environmental geography. Special emphasis will be placed on theoretical and conceptual understandings of how humans interact with the environment from a geographical perspective. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7371. Advanced Seminar in Geographic Education.
This research seminar analyzes literature and research into recent trends in geographic education. Emphasis will be on new developments in curriculum, content, and teaching methodologies. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7372. Seminar in Geographic Information Science.
This course deals with advanced and current research issues in Geographic Information Science. Based on this objective, the course aims at educating doctoral students to conduct research in Geographic Information Science as well as develop innovative applications of Geographic Information Science. May be repeated for credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7390. Independent Study.
Research in geography under the direction of a supervising professor. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7391. Foundation Studies in Geography.
Students develop knowledge and skills required for success in graduate-level coursework in Geography. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

GEO 7393B. Biogeography in Mountain Environments.
This course examines how plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms and geological factors affect spatial distribution of animals and plants; all within the environmental limitation and conditions of mountains. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

GEO 7393C. Managing Urbanization.
This course examines survey methods and procedures related to managing and preparing for urban growth. Selected topics for examination include transportation planning, housing, historic preservation, and environmental design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393D. International Migration.
This course provides a survey of geographic and social science research conducted across various topics of international migration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393E. Geography of Land Mangagement.
This course explores U.S. land management philosophies, techniques, and development approaches. Major topics include land ethics/philosophies, U.S. traditions in cadastral geography, urban sprawl and green development, land conservation techniques, the role of local/state/federal regulation in land management, and the human-environment impacts of land development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393F. Gender and Development.
This course is a survey of geographic and social science research conducted across various topics of gender studies and international development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393G. Political Geography.
This course is a survey of geographic and social science research conducted across various topics of political geography.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393I. Contemporary Topics in Geography Education.
This course will be a survey of recent initiatives in geography education. This course will focus on areas such as research, assessment, and the development and use of instructional materials in relation to the National Science Foundation funded "Road Map for 21st Century Geography Education".
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393J. Soil and Society.
This course explores the importance of soil resources for environmental and socioeconomic sustainability. Soil science will be introduced, but the majority of the course will focus on soil's value to societies. Specific topics that will be explored include soil geography, historical abuses of soil resources, and current conservation efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393K. Biogeomorphology.
This course will examine the ways in which plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms, and geological factors affect spatial distributions of animals and plants. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393L. Lidar.
This course is an introduction to Light Detection and Ranging (lidar) systems for mapping and analysis. Students will learn to successfully apply knowledge of lidar sensors and technology for a variety of geographic information science applications. Students must have prior knowledge and experience with GIS analysis and mapping tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393M. Global Climate Change.
This course examines various implications of global climate change, including impacts on science, politics, and society. Emphasis will be placed on anthropogenic influences across the 20th and 21st centuries, contemporary mitigation options, and future adaptation strategies amidst a complex and dynamic climate system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393N. Rivers and Society.
This course examines river system processes and how they are influenced by human activities. We will discuss the principles and practices of large-scale river basin management with an emphasis on the different perspectives and motivations driving different management goals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393O. Exploring Spatial Databases.
This course covers principles of spatial ontologies and spatial semantics to facilitate appropriate database conceptualization, design and implementation. Course assignments and projects will provide in-depth experience with database query languages. Many DBMSs will be reviewed, but practical work will be completed with RDBMSs. Prerequisite: GEO 5418 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393P. Advanced Seminar in Human Geography.
This course will engage students in systematic critical analysis of the theories and methods of human geography. The students will conduct careful research on a topic in human geography.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393Q. Geomorphology in the Anthropocene.
This course will examine the ways in which humans interact with and affect geomorphological processes and landforms, and how humans directly act as geomorphological agents. The level at which human activities have transformed the surface of the Earth will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393R. Social Theory, Space and Geography.
This course examines key texts and concepts in social and political theory, focusing on theories of space and their mobilization in geographical research. Space and geography are approached with respect to several topics, including structuralism and agency; feminist theory and embodiment; assemblage thinking and actor-network theory; governance; and scale.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7399A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7399B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7399C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7415. Geographic Applications of Remote Sensing.
Students will focus on geographic applications of the principles and practices of digital image processing, classification, and modeling using satellite images.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7417. Geographic Information Systems.
Course is concerned with the analysis of interpretation of maps stored in digital form. Students are introduced to the concepts involving computerized cartographic and geographic data input, storage and retrieval, data manipulation and analysis, graphic and tabular report generation, and cartographic modeling.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7418. Technical Foundations and Methods in Geographic Information Science.
This course addresses technical foundations and methods in management, analysis, visualization, and dissemination of geographically-referenced data and information in digital form. Topics include data structures, algorithms, and a variety of methods used in GIS and spatial data analysis.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7430. Field Methods.
Methods and techniques for observing, measuring, recording, and reporting on geographic phenomena are investigated in this course. Students will learn the use of instruments and materials in the collection of data for mapping and field research in the local area. Prerequisites: GEO 2410 and GEO 3301 both with grades of "D" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7447. Spatial Graphics in Geographic Education.
This course examines traditional and innovative geoinformation and geovisualization technologies and their relationship to spatial thinking and the teaching and learning of geography. The course reviews academic literature, research methods, and teaching methodologies related to spatial graphics in geographic education. The lab portion provides geovisualization design skills for geographic education.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7599A. Dissertation.
Original research and writing in Geography to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7599B. Dissertation.
Original research and writing in Geographic Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7599C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Doctor of Philosophy (Ph.D.) Major in Geography

Program Overview

The course curriculum for the Doctoral degree is designed to provide depth and breadth of knowledge in geographic theory and research methods. To be admitted to the Geography Doctoral program, a student must have completed a Master's degree in Geography or in a related discipline.

Each doctoral student will have her/his program tailored to meet the academic goals agreed upon in consultation with the Ph.D. research advisor, with the approval of the graduate program coordinator, the department chair, and the dean of The Graduate College. All programs will include the necessary core, skills, specialization, and internal and external elective courses.

Educational Goal

The educational goal of the program is to provide a Ph.D. in Geography through which students will be educated in the process of geographic research, the development of new knowledge, and the application of this research and knowledge to solve problems with spatial dimensions.

Financial Assistance

Graduate assistantships and scholarships are available to qualified candidates. Please contact the graduate staff advisor in the Department of Geography for more information about assistantships. The Graduate College can provide further information regarding scholarships.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree in geography or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.5 GPA in all completed graduate course work
- completion of a master's thesis or demonstrated evidence of scholarly research and writing
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose explaining the student's reasons for pursuing doctoral study and academic professional interests and goals
- three letters of recommendation demonstrating adequate subject preparation in content and quality as reflected in the student's transcripts

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Geography requires 46 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
GEO 7300	Advanced Geographic Research Design	3
GEO 7301	Advanced Quantitative Methods in Geography	3
GEO 7302	Nature and Philosophy of Geography	3
Skills		
Choose 4 hours from the following:		4
GEO 7415	Geographic Applications of Remote Sensing	
GEO 7417	Geographic Information Systems	
GEO 7418	Technical Foundations and Methods in Geographic Information Science	
GEO 7430	Field Methods	
GEO 7447	Spatial Graphics in Geographic Education	
Electives		
Choose 18 hours from the following:		18
GEO 7304	Qualitative Research Methods	
GEO 7305	Historical Geography of the American Environment	
GEO 7308	Advanced Regional Field Studies	
GEO 7313	Environmental Systems Analysis	
GEO 7314	Environmental Geography of Resource Development	
GEO 7316	Remote Sensing and the Environment	
GEO 7318	GIS and Environmental Geography	
GEO 7330	Geography of Hazards	
GEO 7334	Geographic Aspects of Water	
GEO 7341	Urban Environment	
GEO 7342	Theories and Methods in Geographic Education	
GEO 7344	Seminar in Geographic Curriculum	
GEO 7346	Standards and Assessment in Geography	
GEO 7348	Ethnic Geography	
GEO 7349	Population Geography	
GEO 7361	Advanced Geographic Information Systems	
GEO 7362	Geographic Visualization	
GEO 7364	Geocomputation	
GEO 7365	Theoretical Cartography	
GEO 7366	Advanced Topics in Remote Sensing	
GEO 7370	Advanced Seminar in Environmental Geography	
GEO 7371	Advanced Seminar in Geographic Education	
GEO 7372	Seminar in Geographic Information Science	
GEO 7390	Independent Study	
GEO 7391	Foundation Studies in Geography	
GEO 7393B	Biogeography in Mountain Environments	
GEO 7393C	Managing Urbanization	
GEO 7393D	International Migration	
GEO 7393E	Geography of Land Mangagement	
GEO 7393F	Gender and Development	
GEO 7393G	Political Geography	
GEO 7393I	Contemporary Topics in Geography Education	
GEO 7393J	Soil and Society	
GEO 7393K	Biogeomorphology	
GEO 7393L	Lidar	
GEO 7393M	Global Climate Change	
GEO 7393N	Rivers and Society	
GEO 7393O	Exploring Spatial Databases	
GEO 7415	Geographic Applications of Remote Sensing	
GEO 7417	Geographic Information Systems	
GEO 7418	Technical Foundations and Methods in Geographic Information Science	
GEO 7430	Field Methods	
GEO 7447	Spatial Graphics in Geographic Education	
May choose 6 hours of advisor-approved electives from outside the department.		
Dissertation		
Choose a minimum of 15 hours from the following:		15
GEO 7199A	Dissertation	
GEO 7299A	Dissertation	
GEO 7399A	Dissertation	
GEO 7599A	Dissertation	
GEO 7699A	Dissertation	
GEO 7999A	Dissertation	
Total Hours		46

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Applications for Advancement to Candidacy

The student will need to download the Application for Advancement to Candidacy form from The Graduate College website. The student will need to complete the form and return it to their department, who will then submit it to The Graduate College for approval.

Advancement to Candidacy Time Limit

Doctoral students will need to be advanced to candidacy within four years of initiating Ph.D. course work. A student will need to indicate their intent to advance to candidacy during the term in which the student will complete the 31 hours of required course work.

No credit will be applied toward a student's doctoral degree for course work completed more than four years before the date on which the student is to advance to candidacy. This time limit applies toward credit earned at Texas State as well as credit transferred to Texas State from other accredited institutions.

Requests for a time extension must be submitted to the student's Ph.D. advisor and graduate coordinator who, in turn, submits a recommendation to the dean of The Graduate College.

Grade-Point Requirements for Advancement to Candidacy

To be eligible for advancement to candidacy, the student must have a minimum GPA of 3.0. No grade earned below "B" on any graduate course work may apply toward a Ph.D. at Texas State.

Incomplete grades must be cleared through the office of The Graduate College at least ten days before the approval for advancement to candidacy.

Semester Hour Requirements

The student must complete 31 semester hours of graduate course work to meet the minimum requirements for advancement to candidacy. In some cases, a student may need to complete additional hours before being allowed to advance to candidacy. The student must have satisfied the residency requirement of 18 graduate credit hours.

Advancement to Candidacy Comprehensive Examination

All applicants for advancement to candidacy for the doctoral degree must pass a comprehensive examination. The examination procedure may be obtained from the graduate staff advisor. Both prevailing expectations in the field and the actual courses taken by the candidate will determine the subject matter of the examination. This examination may not be taken until all required course work has been completed. The student may take the candidacy comprehensive examination without being enrolled in course work provided they have not been enrolled in dissertation course(s).

Arrangements for the examination will be made with the student's Ph.D. advisor. The results of the "Advancement to Candidacy Comprehensive Examination" must be filed in the office of The Graduate College before final approval to advance to candidacy is given by the dean of The Graduate College. The department is responsible for submitting the report to the office of The Graduate College.

Dissertation Proposal

The dissertation proposal must be approved by the dean of The Graduate College and successfully defended in front of the dissertation committee before a student can advance to candidacy. Information about the dissertation procedures can be found in the "Dissertation Research and Writing" section of this catalog.

Recommendation for Advancement to Candidacy

The geography graduate committee recommends the applicant for advancement to candidacy to the chair of the Department of Geography and the dean of The Graduate College. The dean of The Graduate College certifies the applicant for advancement to candidacy once all requirements have been completed.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must be an original contribution to scholarship and the result of independent investigation in a significant area. Preparation of the dissertation must follow the latest edition of Kate L. Turabian's *A Manual for Writers* or the *Annals of the Association of American Geographers*.

Dissertation Enrollment Requirements

Enrollment

After being admitted to candidacy, students must be continuously enrolled each term for dissertation hours. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student must be enrolled in dissertation hours for that term. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred.

Hours

Students must complete a minimum of 15 semester hours of dissertation research and writing credit.

Dissertation Time Limit

Students are expected to complete the dissertation within three years of advancement to candidacy. The geography graduate committee will review the student's progress annually.

Ph.D. Advisory Committee

The Ph.D. advisory committee must be formed to oversee the research and writing of the dissertation. The Ph.D. advisory committee will include a Ph.D. advisor and a minimum of three additional committee members (two of whom must be from the Department of Geography and one from outside the department). The members must be chosen from qualified Ph.D. faculty. The Ph.D. advisor and the advisory committee will be selected in consultation with the student and through mutual agreement with committee members. The Ph.D. advisor will chair the dissertation committee and must be from the major department. The advisor and advisory committee must be approved by the graduate program coordinator, the department chair, as listed on the "Dissertation Committee Request" form and submitted to the dean of The Graduate College for final approval.

Committee Changes

Any changes to the advisory committee must be submitted for approval to the advisory committee chair, the graduate coordinator, the department chair, and the dean of The Graduate College. Changes must be submitted no less than sixty days before the final oral comprehensive examination. The "Dissertation Advisor/Committee Member Change Request" form may be obtained from The Graduate College website.

Dissertation Proposal

Students must submit the dissertation proposal and one copy of the official "Dissertation Proposal" form to their dissertation advisor. After obtaining **original** committee members' signatures and the department chair's signature, the student must submit the dissertation proposal and the form to the dean of The Graduate College for approval before proceeding with research on the dissertation. The proposal form may be obtained from The Graduate College website.

Defense of the Dissertation Proposal

Students must defend the dissertation proposal in an oral examination with the Ph.D. advisory committee. The examination will address the proposed dissertation topic (problem definition and scope), research method, and relevant literature. The advisory committee must sign the "Defense of the Dissertation Proposal" form and then submit it for the signature of the department chair. The original must be sent to the office of The Graduate College.

Final Oral Comprehensive Examination

Students must pass the final oral examination that covers the dissertation and the general field of the dissertation. To schedule the

final oral examination, the student must apply to their Ph.D. advisor the term that they complete the dissertation. A completed “Doctoral Comprehensive Examination Report" form must be submitted to the dean of The Graduate College.

Approval and Submission of the Dissertation and Abstract

The approval of the dissertation requires positive votes from the Ph.D. advisor and from a majority of the members of the Ph.D. advisory committee. One copy of the dissertation and the signed "Thesis/Dissertation Committee Approval" form must be submitted to the dean of The Graduate College for final approval once the committee has approved the dissertation. Refer to the *Graduate College Guide to Preparing and Submitting a Thesis/Dissertation* (available on The Graduate College website) for specific submission guidelines.

Doctoral level courses in Geography: GEO

Courses Offered

Geography (GEO)

GEO 7190. Independent Study.
Research in geography under the direction of a supervising professor. Repeatable once for additional credit with a different topic.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7199A. Dissertation.
Original research and writing in Geography is to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7199B. Dissertation.
Original research and writing in Geographic Education is to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7199C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7290. Independent Study.
This course is designed to provide a student with credit while conducting independent research in consultation with his or her research advisor. Repeatable once for additional credit with a different topic.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7299A. Dissertation.
Original research and writing in Geography to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7299B. Dissertation.
Original research and writing in Geographic Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7299C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7300. Advanced Geographic Research Design.
The purpose of this course is to develop an appreciation for the process of research as practiced by contemporary professional geographers. Topics covered include formulating research problems, reviewing and critiquing published literature, developing and executing a research design, and completing a research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7301. Advanced Quantitative Methods in Geography.
How to mathematically and statistically model geographic problems is the focus of this course. The application of multivariate statistical techniques to geographic problems and the problems that spatial data create in the application of statistical and other quantitative techniques are central issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7302. Nature and Philosophy of Geography.
This course is a critical analysis of the historical development of geographic thought: its roots, its present status, and future directions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7304. Qualitative Research Methods.
This course introduces the qualitative research paradigm, including research design, methods of data collection, and inductive analysis. Standards of scientific research that call for a deeper evaluation of complex social relationships are emphasized. The focus and application will be oriented towards human geography and nature-society relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7305. Historical Geography of the American Environment.
This course examines the spatial evolution of environmental problems in the United States using the techniques and analytical perspectives of historical geography. Special emphasis is given to the emergence of environmental problems in the context of urbanization and industrialism. The course will expose students to the most significant work by geographers in this area to date, and to the historical development of environmental geographic analysis in the U.S.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7308. Advanced Regional Field Studies.
Advanced study of geographic phenomena during field excursions to a particular site or region. Course includes preparation of site inventory, site guides, and on-site presentations. Repeatable once for additional credit with a different site or region.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7313. Environmental Systems.
Theories and concepts involved in environmental systems will be examined. Tools and research issues relevant to their analysis will also be explored. Basic principles, as well as specific research questions and techniques, will be proposed to give students a foundation for analysis of current issues involving environmental systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7314. Geography of Resource Development.
This course will provide a detailed and in-depth analysis of theories, policies, and practices regarding resource development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7316. Remote Sensing and the Environment.
A detailed examination and implementation of sophisticated approaches for processing satellite digital images with emphasis on environmental applications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7318. GIS and Environmental Geography.
This course examines the nature of environmental problems and explores the potential of GIS for environmental modeling and management. The conceptual basis for using GIS as well as the framing of environmental research problems will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7330. Geography of Hazards.
This seminar examines research on issues related to the geography of hazards. Topics will be determined by instructor and student interests. Special emphasis will be placed on conceptual, theoretical, and methodological approaches to advance the study of spatial aspects of hazards such as risk, vulnerability, resilience, relief, recovery, and change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7334. Geographic Aspects of Water.
This seminar is a critical analysis of developmental and current literature that define water's critical role in determining the physical and cultural characteristics of the earth. Principal focus will be placed on water's role on land use and as a critical resource.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7341. Urban Environment.
Students in this course will critically engage with scholarly and governmental research relating to urban environments, urban environmentalism, and urban environmental management. Emphasis is placed on students developing and executing a unique, topically relevant research project aimed at improving our understanding of the way in which human-environment interaction influences, and is influenced by, urban geography and the urban experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7342. Theories and Methods in Geographic Education.
This seminar is a critical analysis of previous and current literature concerning problems in pedagogy, philosophy, learning theory, research methods, teaching methodologies, and techniques of geographic education. A research paper will be required of each student on a topic related to the course content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7344. Seminar in Geographic Curriculum.
The seminar will be a survey and discussion of major curricula in geographic education. Geography will be viewed as a school subject that is part of the social studies, as an element of interdisciplinary studies, and as a stand alone subject.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7346. Standards and Assessment in Geography.
An introduction to assessment procedures in geography education is central to the course. Analysis of national standards in geography and how they have affected geographic learning in grades K-12 will be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7348. Ethnic Geography.
This course will engage student in the in-depth critical analysis of the theories and methods of ethnic geography. The students will conduct careful research on a topic in ethnic geography. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 7349. Population Geography.
An in-depth study of the growth, movement, and spatial distribution of human populations is the central theme. Students will read and discuss professional articles that stress both theory and analytical techniques. Topics will include population growth and the environment, rural and small town depopulation, spatial diffusion processes, migration trends and theories, urban population growth, and techniques such as multivariate analysis and population projections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7350. Practicum in Teaching Geography.
This course introduces key concepts in teaching geography and provides regular training and planned periodic evaluations of instructional responsibilities. Course topics include instructional and assessment strategies in geography and classroom management. This course is required for first-year instructional assistants in the Geography Department. Students do not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

GEO 7361. Advanced Geographic Information Systems.
This course provides exposure to advanced topics in GIS, particularly to quantitative methods and techniques for developing and interpreting models of natural and anthropogenic phenomena over the geographical space.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7362. Geographic Visualization.
This course focuses on the interdisciplinary field of Geographic Visualization. Students will review visualization research in computer graphics, human computer interaction, GIScience, and cartography and relate the research approaches to useful and usable geographic visualizations. Prerequisite: GEO 3411 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7364. Geocomputation.
Geocomputation reviews and analyzes concepts of computational modeling in Geography. The course will include modeling theory and advanced topics such as parallel processing, neural networks, cellular automata, scientific visualization, and fuzzy modeling. Students will practice model development, specifically spatially explicit simulation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7365. Theoretical Cartography.
This course focuses on theoretical developments in cartography, and in particular looks at the role of maps and other graphic devices as tools for the discovery, analysis, and communication of geographical knowledge. Prerequisite: GEO 3411 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7366. Advanced Topics in Remote Sensing.
The course focuses on advanced topics including the theoretical basis, mathematical foundations, and current research frontiers in remote sensing. Prerequisite: GEO 5415 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7370. Advanced Seminar in Environmental Geography.
This research seminar focuses on the methods, approaches, issues, and concepts of major themes in environmental geography. Special emphasis will be placed on theoretical and conceptual understandings of how humans interact with the environment from a geographical perspective. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7371. Advanced Seminar in Geographic Education.
This research seminar analyzes literature and research into recent trends in geographic education. Emphasis will be on new developments in curriculum, content, and teaching methodologies. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7372. Seminar in Geographic Information Science.
This course deals with advanced and current research issues in Geographic Information Science. Based on this objective, the course aims at educating doctoral students to conduct research in Geographic Information Science as well as develop innovative applications of Geographic Information Science. May be repeated for credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7390. Independent Study.
Research in geography under the direction of a supervising professor. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7391. Foundation Studies in Geography.
Students develop knowledge and skills required for success in graduate-level coursework in Geography. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

GEO 7393B. Biogeography in Mountain Environments.
This course examines how plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms and geological factors affect spatial distribution of animals and plants; all within the environmental limitation and conditions of mountains. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

GEO 7393C. Managing Urbanization.
This course examines survey methods and procedures related to managing and preparing for urban growth. Selected topics for examination include transportation planning, housing, historic preservation, and environmental design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393D. International Migration.
This course provides a survey of geographic and social science research conducted across various topics of international migration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393E. Geography of Land Mangagement.
This course explores U.S. land management philosophies, techniques, and development approaches. Major topics include land ethics/philosophies, U.S. traditions in cadastral geography, urban sprawl and green development, land conservation techniques, the role of local/state/federal regulation in land management, and the human-environment impacts of land development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393F. Gender and Development.
This course is a survey of geographic and social science research conducted across various topics of gender studies and international development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393G. Political Geography.
This course is a survey of geographic and social science research conducted across various topics of political geography.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393I. Contemporary Topics in Geography Education.
This course will be a survey of recent initiatives in geography education. This course will focus on areas such as research, assessment, and the development and use of instructional materials in relation to the National Science Foundation funded "Road Map for 21st Century Geography Education".
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393J. Soil and Society.
This course explores the importance of soil resources for environmental and socioeconomic sustainability. Soil science will be introduced, but the majority of the course will focus on soil's value to societies. Specific topics that will be explored include soil geography, historical abuses of soil resources, and current conservation efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393K. Biogeomorphology.
This course will examine the ways in which plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms, and geological factors affect spatial distributions of animals and plants. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393L. Lidar.
This course is an introduction to Light Detection and Ranging (lidar) systems for mapping and analysis. Students will learn to successfully apply knowledge of lidar sensors and technology for a variety of geographic information science applications. Students must have prior knowledge and experience with GIS analysis and mapping tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393M. Global Climate Change.
This course examines various implications of global climate change, including impacts on science, politics, and society. Emphasis will be placed on anthropogenic influences across the 20th and 21st centuries, contemporary mitigation options, and future adaptation strategies amidst a complex and dynamic climate system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393N. Rivers and Society.
This course examines river system processes and how they are influenced by human activities. We will discuss the principles and practices of large-scale river basin management with an emphasis on the different perspectives and motivations driving different management goals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393O. Exploring Spatial Databases.
This course covers principles of spatial ontologies and spatial semantics to facilitate appropriate database conceptualization, design and implementation. Course assignments and projects will provide in-depth experience with database query languages. Many DBMSs will be reviewed, but practical work will be completed with RDBMSs. Prerequisite: GEO 5418 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393P. Advanced Seminar in Human Geography.
This course will engage students in systematic critical analysis of the theories and methods of human geography. The students will conduct careful research on a topic in human geography.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393Q. Geomorphology in the Anthropocene.
This course will examine the ways in which humans interact with and affect geomorphological processes and landforms, and how humans directly act as geomorphological agents. The level at which human activities have transformed the surface of the Earth will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393R. Social Theory, Space and Geography.
This course examines key texts and concepts in social and political theory, focusing on theories of space and their mobilization in geographical research. Space and geography are approached with respect to several topics, including structuralism and agency; feminist theory and embodiment; assemblage thinking and actor-network theory; governance; and scale.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7399A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7399B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7399C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7415. Geographic Applications of Remote Sensing.
Students will focus on geographic applications of the principles and practices of digital image processing, classification, and modeling using satellite images.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7417. Geographic Information Systems.
Course is concerned with the analysis of interpretation of maps stored in digital form. Students are introduced to the concepts involving computerized cartographic and geographic data input, storage and retrieval, data manipulation and analysis, graphic and tabular report generation, and cartographic modeling.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7418. Technical Foundations and Methods in Geographic Information Science.
This course addresses technical foundations and methods in management, analysis, visualization, and dissemination of geographically-referenced data and information in digital form. Topics include data structures, algorithms, and a variety of methods used in GIS and spatial data analysis.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7430. Field Methods.
Methods and techniques for observing, measuring, recording, and reporting on geographic phenomena are investigated in this course. Students will learn the use of instruments and materials in the collection of data for mapping and field research in the local area. Prerequisites: GEO 2410 and GEO 3301 both with grades of "D" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7447. Spatial Graphics in Geographic Education.
This course examines traditional and innovative geoinformation and geovisualization technologies and their relationship to spatial thinking and the teaching and learning of geography. The course reviews academic literature, research methods, and teaching methodologies related to spatial graphics in geographic education. The lab portion provides geovisualization design skills for geographic education.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7599A. Dissertation.
Original research and writing in Geography to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7599B. Dissertation.
Original research and writing in Geographic Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7599C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Applied Geography (M.A.Geo.) Major in Geographic Information Science

Program Overview

The Master of Applied Geography (M.A.Geo.) degree program is designed to prepare geographers to use their skills and background knowledge to solve real-world problems with geographic dimensions. Applied Geography includes such sub-fields as environmental management, geographic education, GIS, cartography, land use planning, location analysis, land management, transportation systems planning, applied physical geography, geographic aspects of environmental law, and spatial modeling.

Financial Assistance

Graduate assistantships are available to qualified candidates. Please contact the graduate program coordinator in the Department of Geography for more information about financial assistance and the degree programs. For scholarship information, please visit The Graduate College website at http://www.gradcollege.txstate.edu/funding.html.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.2 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV

- statement of purpose identifying the student's preferred degree and concentration and possible areas of research
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Applied Geography (M.A.Geo.) degree with a major in Geography Information Science that requires 33 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
GEO 5300	Applied Research Design and Techniques	3
GEO 5301	Multivariate Quantitative Methods	3
GEO 5309	Geographical Analysis	3
GEO 5335	Directed Research	3
Concentration		
Choose 12 hours from the following:		12
GEO 5408	Web Mapping	
GEO 5415	Geographic Applications of Remote Sensing	
GEO 5417	Advanced Cartographic Design	
GEO 5419	Geographic Information Systems II	
GEO 5424	GPS and GIS	
Electives		
Choose 9 hours from the following:		9
GEO 5308	Regional Field Studies	
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	
GEO 5314	Geographic Elements of Environmental Law	
GEO 5316	Applied Physical Geography	
GEO 5317	Seminar in Applied Human Geography	
GEO 5318	Environment Problems of the U.S.-Mexico Border	
GEO 5319	Seminar in Nature and Heritage Tourism	
GEO 5322	Interpretive Environmental Geography	
GEO 5323	Location Analysis	
GEO 5326	Parks and Protected Places	
GEO 5329	Historical Geography of the Environment	
GEO 5330	Geography of Hazards	
GEO 5332	Environmental Geography of the Coastal Zone	
GEO 5334	Applied Water Resources	
GEO 5336	Transportation Systems	
GEO 5339	The Geography of Land Management	
GEO 5340	Active Learning in Geography	
GEO 5341	Contemporary Issues in Geographic Education	
GEO 5342	Theory and Research Methods in Geographic Education	
GEO 5343	Technology in Geographic Education	
GEO 5344	Seminar in Geographic Curriculum	
GEO 5349	Population Geography	
GEO 5351	Regional Waste Management	
GEO 5352	Air Quality Management	
GEO 5353	Emergency Management	
GEO 5360	Seminar in Planning Problems	
GEO 5370	Seminar in Applied Physical Geography	
GEO 5380	Internship	
GEO 5390	Independent Study	
GEO 5395	Problems in Applied Geography	
GEO 5408	Web Mapping	
GEO 5415	Geographic Applications of Remote Sensing	
GEO 5417	Advanced Cartographic Design	
GEO 5418	Geographic Information Systems I	
GEO 5419	Geographic Information Systems II	
GEO 5424	GPS and GIS	
GEO 5430	Field Methods	
GEO 5680	Internship	
May choose 6 hours of advisor-approved electives outside the department		
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Geography: GEO

Courses Offered

Geography (GEO)

GEO 5190. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for a total of six semester hours of credit. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5290. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for total of six semester hours of credit. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5300. Applied Research Design and Techniques.
Students will be introduced to appropriate research methods for applied geographers. Emphasis will be placed on the scientific method, productive library research, data collection and analysis, fieldwork, effective writing, and the nature of graphic representation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5301. Multivariate Quantitative Methods.
The use of multivariate descriptive and inferential statistics as applied to geographic data and problems, beginning with the general linear model and including topics such as multiple regression, principal components analysis, discriminant analysis, and clustering algorithms. Prerequisite: GEO 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5304. Qualitative Research Methods.
This course introduces the qualitative research paradigm, including research design, methods of data collection, and inductive analysis. Standards of scientific research that call for a deeper evaluation of complex social relationships are emphasized. The focus and application will be oriented towards human geography and nature-society relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5308. Regional Field Studies.
Study of geographic phenomena during field excursions to a particular site or region. Students will study the physical and/or cultural environments through off-campus field experience. Students will research, analyze, and report on major regional geographic features. Repeatable once for additional credit with a different site or region.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5309. Geographical Analysis.
A survey of typical spatial problems of interest to geographers, with emphasis on current research and application being undertaken by the faculty in the Department of Geography. Topics include environmental geography, geographic education, land use and regional development, and cartographic representation and geographic information theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5312. Managing Urbanization.
Survey methods and procedures related to managing and preparing for urban growth. Selected topics for examination include transportation planning, housing, historic preservation, and environmental design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5313. Environmental Management.
An analysis of the major causes of environmental deterioration together with the basic strategies of dealing with these problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5314. Geographic Elements of Environmental Law.
A survey of environmental laws related to land, air, and water pollution. The nature of environmental problems will be studied as they relate to urbanization, industrialization, land development, noise, radiation and solid waste management, and the laws and guidelines that have been passed to alleviate such problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5315. Advanced Regional Studies.
Course focus is the region. Case studies will be selected from political and functional regions. Course content will include such information as demographics, economy, physical and social environments, transportation, and foreign trade. May be repeated for credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5316. Applied Physical Geography.
This course is a survey of methods and techniques used in the collection, analysis, and evaluation of information relating to problems within the physical environment. Emphasis will be on problems characteristic of particular geographic locations or specific environmental settings. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5317. Seminar in Applied Human Geography.
A focus on the methods and techniques used in the collection, analysis, and evaluation of information relating to problems within the human geographical environment. Emphasis will be on problems pertaining to particular geographic locations or special environmental settings. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5318. Environment Problems of the U.S.-Mexico Border.
This course serves as an in-depth introduction to the physical, social, and environmental landscapes of the region of the U.S.-Mexico Border. The course applies an interdisciplinary perspective to geographic understanding of the environmental and health-related issues experienced by residents of the borderlands. Special attention is given to management and planning solutions to the region's problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5319. Seminar in Nature and Heritage Tourism.
This seminar focuses on the special geographic issues of nature and heritage tourism. Particular emphasis is placed on sites and activities, costs and benefits, commoditization and authenticity, resource protection, and substantive learning content of nature and heritage tourism activities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5322. Interpretive Environmental Geography.
Students learn to use geographic theories and concepts to provide holistic and thematic interpretation of environmental information, as specified by interpretive principles. Students also learn advanced use of traditional and digital presentation techniques and research methods, which include audience assessment and program evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5323. Location Analysis.
Factors of importance in the decision-making process of locating both public and private sector facilities. Attention will be paid to the location of manufacturing activities, commercial enterprises, and a variety of social service facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5326. Parks and Protected Places.
This course serves as an in-depth introduction to the philosophy, establishment, and operation of public parks, wildlife refuges, protected areas, non-governmental preserves and historic sites. Students will be introduced to the scientific and policy rationale for the creation of such areas as well as methods of classification and acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5329. Historical Geography of the Environment.
This course will introduce students to ideas, concepts, and literature in historical geography of the environment. It will explore methods used to document past environments and examine environmental changes, and it will analyze the distinctions between historical geography and related fields of study.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5330. Geography of Hazards.
This course focuses on understanding and advancing scholarship in hazards research – the threats to life, health, and welfare caused by natural, technological, and/or social processes, and disasters. Special emphasis is placed on understanding the complexities of the assessment and management of risks, hazards, and disasters at multiple geographic scales.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5332. Environmental Geography of the Coastal Zone.
Investigation of the physical geographic factors associated with the coastal zone and the role of human activities in problems and opportunities characteristic of this environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5334. Applied Water Resources.
Application of techniques employed in water management including flood hazards, water supply assessment, and water management strategies. Students will apply principles to specific watersheds and water problems including the analysis of various physical, land use, and legal parameters.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5335. Directed Research.
A course designed to allow the student to pursue a topic of applied geographic research under the direct supervision of a professor. Generally, the topic will be something that is not customarily dealt with in an organized class. Topics should be selected that involve library research and field investigation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5336. Transportation Systems.
This course introduces key concepts and methods of transportation geography and transportation planning. Topics include, among others, the spatial structure of transportation systems, transportation economics, and logistics. Various methods, techniques, and technologies for transportation analysis, particularly Geographic Information Systems (GIS), will be explored and applied as part of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5339. The Geography of Land Management.
This course explores U.S. land management philosophies, techniques, and development approaches. Major topics include land ethics/philosophies, U.S. traditions in cadastral geography, urban sprawl and green development, land conservation techniques, the role of local/state/federal regulations in land management, and the human environmental impacts of land development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5340. Active Learning in Geography.
The course focuses on instructional strategies that will allow teachers to promote active learning in geography. Emphasis will be on how active learning can help students reach geography content and skills standards.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5341. Contemporary Issues in Geographic Education.
This course examines current approaches to teaching geography in American education. Specific attention will be given to new classroom materials, curriculum reform efforts, and research developments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5342. Seminar: Theory and Methods of Geographic Education.
A critical analysis of previous and current literature concerning problems in pedagogy, philosophy, teaming theory, research methods, teaching methodologies, and techniques of geographic education. A research paper will be required of each student on a topic related to the course content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5343. Technology in Geographic Education.
The course focuses on the applications and implications of technology in geographic education, particularly its role as an instructional tool to promote inquiry-based learning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5344. Seminar in Geographic Curriculum.
A survey and discussion of major curricula in geographic education. Geography will be viewed as a school subject that is part of the social studies, as an element of interdisciplinary studies, and as a stand-alone subject.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5349. Population Geography.
An in-depth study of the spatial distribution and movement of human populations. Course will emphasize current issues and analytical techniques. Topics will include the impact of population growth, spatial diffusion processes, migration trends and theories, explanation of regional demographic differences, and techniques such as population projections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5350. Practicum in Teaching Geography.
This course introduces key concepts in teaching geography and provides regular training and planned periodic evaluations of instructional responsibilities. Course topics include instructional and assessment strategies in geography and classroom management. This course is required for first-year instructional assistants in the Geography Department. Students do not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

GEO 5351. Regional Waste Management.
The principles of effective solid waste planning and management will be examined as they relate to such activities as waste generation, storage and collection, transfer and transportation, processing and volume reduction, resource conservation and recovery, the disposal of wastes, and the handling of special wastes, particularly those of a toxic and hazardous nature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5352. Air Quality Management.
A geographic assessment of air quality management in the United States. Spatial distribution of the types, sources, and effects of air pollutants. Meteorology and physics of air pollution dispersion. Legislative and regulatory approaches to pollution management. National, state, regional, and local policy development procedures. Geographic methods for air pollution management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5353. Emergency Management.
This course provides an overview of the most important aspects of emergency management at all geographic scales, with emphasis on local, regional, and federal levels. Best practices and proper methodologies are emphasized as well as ways that students can develop the skills and capabilities for a career in this field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5360. Seminar in Planning Problems.
A critical and in-depth examination of several problem areas currently facing the planner.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5370. Seminar in Applied Physical Geography.
Critical analysis of theories, models, and techniques of physical geographic research with the focus on application to real-world problems. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5380. Internship.
Application of techniques of applied geography in an actual on-thejob setting. Internships will be arranged and supervised by the Internship Director. May be repeated once for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5390. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for a total of six semester hours of credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5391. Foundation Studies in Geography.
Students develop knowledge and skills required for success in graduate-level coursework in Geography. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

GEO 5393B. Biogeography in Mountain Environments.
This course examines how plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms and geological factors affect spatial distribution of animals and plants; all within the environmental limitation and conditions of mountains. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393C. Exploring Spatial Databases.
This course covers principles of spatial ontologies and spatial semantics to facilitate appropriate database conceptualization, design and implementation. Course assignments and projects will provide in-depth experience with database query languages. Many DBMSs will be reviewed, but practical work will be completed with RDBMSs. Prerequisite: GEO 5418 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393D. Water Resource Planning.
This seminar presents case-studies related to water quality protection and mitigation and to the planning of water supply at the state and regional level from a policy practitioner's perspective. The objective of the course is to identify the components of the planning process and its outcomes, including water-use conservation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393E. Geomorphology in the Anthropocene.
This course will examine the ways in which humans interact with and affect geomorphological processes and landforms, and how humans directly act as geomorphological agents. The level at which human activities have transformed the surface of the Earth will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393F. Spatial Thinking in Education.
This course introduces the concept of spatial thinking and discusses how spatial thinking may be taught in the context of K-16 education. Students will examine various instructional strategies to facilitate spatial thinking in the classroom and design grade-level appropriate learning experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393G. Jobs, Careers, and Professional Development in Geography.
This course introduces graduate students to research-based strategies for career planning and professional development in geography. Career opportunities for geographers in business, government, nonprofit, and academic organizations are examined. The course also analyzes professional identities, applications of geography in society, professional ethics, lifelong learning, work-life balance, and professional networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393K. Advanced Web Cartography and Data Visualization.
This course provides advanced training in the design and development of interactive, web-based data visualization systems with emphasis on the modern cartographic process and the spatial applications of interactive data visualization principles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5395. Problems in Applied Geography.
Designed to consider a selected topic relating to applied geography. Emphasis on the practical application of geographic tools, with individual or group participation in a specific project. Course topics may vary depending on student and faculty interests and may apply to any of the three graduate tracks: physical-environmental, land area development and management, or cartography. Repeatable for up to six hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in GEO 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5408. Web Mapping.
This course introduces students to modern interactive and dynamic mapping and GIS techniques that allow internet-based cartographic representations of temporal and non-temporal geospatial objects and phenomena. Prerequisite: GEO 3411 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5415. Geographic Applications of Remote Sensing.
Students will focus on Geographic applications of the principles and practices of digital image processing, classification, and modeling using satellite images.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5417. Advanced Cartographic Design.
This advanced course in cartography focuses on thematic map design. The objective is to produce a series of well-designed, professional grade maps (or an atlas) that students can use to build a cartographic portfolio. Theoretical concepts and principles will be introduced using practical examples and written assignments. Prerequisite: GEO 3411 with a grade of "D" or better or instructor approval.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5418. Geographic Information Systems I.
Course is concerned with the analysis and interpretation of maps stored in digital form. Students are introduced to concepts and practices involving computerized cartographic and geographic data input, storage and retrieval, data manipulation and analysis, graphic and tabular report generation, and cartographic modeling.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5419. Geographic Information Systems II.
This course aims to develop more advanced GIS concepts and application issues, further spatial data manipulation and analysis skills, and provide hands-on experience with GIS hardware and software programs. The emphasis will be on practical application of skills to real world issues. Prerequisite: GEO 5418 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5424. GPS and GIS.
Students will learn to plan and conduct fieldwork using Global Positioning System (GPS) to differentially correct GPS data, and to build Geographic Information Systems (GIS) applications using GPS technology. The course is project-based and involves working with external clients(s). Prerequisites: GEO 2426 with a grade of "D" or better or GEO 5418 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5430. Field Methods.
Course will emphasize common field techniques necessary in the construction of accurate maps. Various kinds of data collection techniques will be presented that will facilitate geographic research. Prerequisite: GEO 3301 with a grade of "D" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5680. Internship.
Application of techniques of applied geography in an actual on-thejob setting. Internships will be arranged and supervised by the Internship Director.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Applied Geography (M.A.Geo.) Major in Geography

Program Overview

The Master of Applied Geography (M.A.Geo.) degree with a major in Geography is designed to prepare geographers to use their skills and background knowledge to solve real-world problems with geographic dimensions. Applied Geography includes such sub-fields as Environmental Management, Geographic Education, GIS, Cartography, Land use Planning, Location Analysis, Land Management, Transportation Systems Planning, Applied Physical Geography, Geographic Aspects of Environmental Law, and Spatial Modeling.

Financial Assistance

Graduate assistantships are available to qualified candidates. Please contact the graduate program coordinator in the Department of Geography for more information about financial assistance and the degree programs. For scholarship information, please visit The Graduate College website at http://www.gradcollege.txstate.edu/funding.html.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.2 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose identifying the student's preferred degree and concentration and possible areas of research
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Applied Geography (M.A.Geo.) degree with a major in Geography that requires 33 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
GEO 5300	Applied Research Design and Techniques	3
GEO 5301	Multivariate Quantitative Methods	3
GEO 5309	Geographical Analysis	3
GEO 5335	Directed Research	3
Electives		
Choose 21 hours from the following:		21
GEO 5308	Regional Field Studies	
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	
GEO 5314	Geographic Elements of Environmental Law	
GEO 5316	Applied Physical Geography	
GEO 5317	Seminar in Applied Human Geography	
GEO 5318	Environment Problems of the U.S.-Mexico Border	
GEO 5319	Seminar in Nature and Heritage Tourism	
GEO 5322	Interpretive Environmental Geography	
GEO 5323	Location Analysis	
GEO 5326	Parks and Protected Places	
GEO 5329	Historical Geography of the Environment	
GEO 5330	Geography of Hazards	
GEO 5332	Environmental Geography of the Coastal Zone	
GEO 5334	Applied Water Resources	
GEO 5336	Transportation Systems	
GEO 5339	The Geography of Land Management	
GEO 5340	Active Learning in Geography	
GEO 5341	Contemporary Issues in Geographic Education	
GEO 5342	Theory and Research Methods in Geographic Education	
GEO 5343	Technology in Geographic Education	
GEO 5344	Seminar in Geographic Curriculum	
GEO 5349	Population Geography	
GEO 5351	Regional Waste Management	
GEO 5352	Air Quality Management	
GEO 5353	Emergency Management	
GEO 5360	Seminar in Planning Problems	
GEO 5370	Seminar in Applied Physical Geography	
GEO 5380	Internship	
GEO 5390	Independent Study	
GEO 5395	Problems in Applied Geography	
GEO 5408	Web Mapping	
GEO 5415	Geographic Applications of Remote Sensing	
GEO 5417	Advanced Cartographic Design	
GEO 5418	Geographic Information Systems I	
GEO 5419	Geographic Information Systems II	
GEO 5424	GPS and GIS	
GEO 5430	Field Methods	
GEO 5680	Internship	
May choose 6 hours of advisor-approved electives from outside the department		
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Geography: GEO

Courses Offered

Geography (GEO)

GEO 5190. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for a total of six semester hours of credit. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5290. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for total of six semester hours of credit. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5300. Applied Research Design and Techniques.
Students will be introduced to appropriate research methods for applied geographers. Emphasis will be placed on the scientific method, productive library research, data collection and analysis, fieldwork, effective writing, and the nature of graphic representation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5301. Multivariate Quantitative Methods.
The use of multivariate descriptive and inferential statistics as applied to geographic data and problems, beginning with the general linear model and including topics such as multiple regression, principal components analysis, discriminant analysis, and clustering algorithms. Prerequisite: GEO 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5304. Qualitative Research Methods.
This course introduces the qualitative research paradigm, including research design, methods of data collection, and inductive analysis. Standards of scientific research that call for a deeper evaluation of complex social relationships are emphasized. The focus and application will be oriented towards human geography and nature-society relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5308. Regional Field Studies.
Study of geographic phenomena during field excursions to a particular site or region. Students will study the physical and/or cultural environments through off-campus field experience. Students will research, analyze, and report on major regional geographic features. Repeatable once for additional credit with a different site or region.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5309. Geographical Analysis.
A survey of typical spatial problems of interest to geographers, with emphasis on current research and application being undertaken by the faculty in the Department of Geography. Topics include environmental geography, geographic education, land use and regional development, and cartographic representation and geographic information theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5312. Managing Urbanization.
Survey methods and procedures related to managing and preparing for urban growth. Selected topics for examination include transportation planning, housing, historic preservation, and environmental design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5313. Environmental Management.
An analysis of the major causes of environmental deterioration together with the basic strategies of dealing with these problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5314. Geographic Elements of Environmental Law.
A survey of environmental laws related to land, air, and water pollution. The nature of environmental problems will be studied as they relate to urbanization, industrialization, land development, noise, radiation and solid waste management, and the laws and guidelines that have been passed to alleviate such problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5315. Advanced Regional Studies.
Course focus is the region. Case studies will be selected from political and functional regions. Course content will include such information as demographics, economy, physical and social environments, transportation, and foreign trade. May be repeated for credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5316. Applied Physical Geography.
This course is a survey of methods and techniques used in the collection, analysis, and evaluation of information relating to problems within the physical environment. Emphasis will be on problems characteristic of particular geographic locations or specific environmental settings. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5317. Seminar in Applied Human Geography.
A focus on the methods and techniques used in the collection, analysis, and evaluation of information relating to problems within the human geographical environment. Emphasis will be on problems pertaining to particular geographic locations or special environmental settings. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5318. Environment Problems of the U.S.-Mexico Border.
This course serves as an in-depth introduction to the physical, social, and environmental landscapes of the region of the U.S.-Mexico Border. The course applies an interdisciplinary perspective to geographic understanding of the environmental and health-related issues experienced by residents of the borderlands. Special attention is given to management and planning solutions to the region's problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5319. Seminar in Nature and Heritage Tourism.
This seminar focuses on the special geographic issues of nature and heritage tourism. Particular emphasis is placed on sites and activities, costs and benefits, commoditization and authenticity, resource protection, and substantive learning content of nature and heritage tourism activities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5322. Interpretive Environmental Geography.
Students learn to use geographic theories and concepts to provide holistic and thematic interpretation of environmental information, as specified by interpretive principles. Students also learn advanced use of traditional and digital presentation techniques and research methods, which include audience assessment and program evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5323. Location Analysis.
Factors of importance in the decision-making process of locating both public and private sector facilities. Attention will be paid to the location of manufacturing activities, commercial enterprises, and a variety of social service facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5326. Parks and Protected Places.
This course serves as an in-depth introduction to the philosophy, establishment, and operation of public parks, wildlife refuges, protected areas, non-governmental preserves and historic sites. Students will be introduced to the scientific and policy rationale for the creation of such areas as well as methods of classification and acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5329. Historical Geography of the Environment.
This course will introduce students to ideas, concepts, and literature in historical geography of the environment. It will explore methods used to document past environments and examine environmental changes, and it will analyze the distinctions between historical geography and related fields of study.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5330. Geography of Hazards.
This course focuses on understanding and advancing scholarship in hazards research – the threats to life, health, and welfare caused by natural, technological, and/or social processes, and disasters. Special emphasis is placed on understanding the complexities of the assessment and management of risks, hazards, and disasters at multiple geographic scales.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5332. Environmental Geography of the Coastal Zone.
Investigation of the physical geographic factors associated with the coastal zone and the role of human activities in problems and opportunities characteristic of this environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5334. Applied Water Resources.
Application of techniques employed in water management including flood hazards, water supply assessment, and water management strategies. Students will apply principles to specific watersheds and water problems including the analysis of various physical, land use, and legal parameters.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5335. Directed Research.
A course designed to allow the student to pursue a topic of applied geographic research under the direct supervision of a professor. Generally, the topic will be something that is not customarily dealt with in an organized class. Topics should be selected that involve library research and field investigation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5336. Transportation Systems.
This course introduces key concepts and methods of transportation geography and transportation planning. Topics include, among others, the spatial structure of transportation systems, transportation economics, and logistics. Various methods, techniques, and technologies for transportation analysis, particularly Geographic Information Systems (GIS), will be explored and applied as part of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5339. The Geography of Land Management.
This course explores U.S. land management philosophies, techniques, and development approaches. Major topics include land ethics/philosophies, U.S. traditions in cadastral geography, urban sprawl and green development, land conservation techniques, the role of local/state/federal regulations in land management, and the human environmental impacts of land development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5340. Active Learning in Geography.
The course focuses on instructional strategies that will allow teachers to promote active learning in geography. Emphasis will be on how active learning can help students reach geography content and skills standards.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5341. Contemporary Issues in Geographic Education.
This course examines current approaches to teaching geography in American education. Specific attention will be given to new classroom materials, curriculum reform efforts, and research developments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5342. Seminar: Theory and Methods of Geographic Education.
A critical analysis of previous and current literature concerning problems in pedagogy, philosophy, teaming theory, research methods, teaching methodologies, and techniques of geographic education. A research paper will be required of each student on a topic related to the course content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5343. Technology in Geographic Education.
The course focuses on the applications and implications of technology in geographic education, particularly its role as an instructional tool to promote inquiry-based learning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5344. Seminar in Geographic Curriculum.
A survey and discussion of major curricula in geographic education. Geography will be viewed as a school subject that is part of the social studies, as an element of interdisciplinary studies, and as a stand-alone subject.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5349. Population Geography.
An in-depth study of the spatial distribution and movement of human populations. Course will emphasize current issues and analytical techniques. Topics will include the impact of population growth, spatial diffusion processes, migration trends and theories, explanation of regional demographic differences, and techniques such as population projections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5350. Practicum in Teaching Geography.
This course introduces key concepts in teaching geography and provides regular training and planned periodic evaluations of instructional responsibilities. Course topics include instructional and assessment strategies in geography and classroom management. This course is required for first-year instructional assistants in the Geography Department. Students do not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

GEO 5351. Regional Waste Management.
The principles of effective solid waste planning and management will be examined as they relate to such activities as waste generation, storage and collection, transfer and transportation, processing and volume reduction, resource conservation and recovery, the disposal of wastes, and the handling of special wastes, particularly those of a toxic and hazardous nature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5352. Air Quality Management.
A geographic assessment of air quality management in the United States. Spatial distribution of the types, sources, and effects of air pollutants. Meteorology and physics of air pollution dispersion. Legislative and regulatory approaches to pollution management. National, state, regional, and local policy development procedures. Geographic methods for air pollution management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5353. Emergency Management.
This course provides an overview of the most important aspects of emergency management at all geographic scales, with emphasis on local, regional, and federal levels. Best practices and proper methodologies are emphasized as well as ways that students can develop the skills and capabilities for a career in this field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5360. Seminar in Planning Problems.
A critical and in-depth examination of several problem areas currently facing the planner.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5370. Seminar in Applied Physical Geography.
Critical analysis of theories, models, and techniques of physical geographic research with the focus on application to real-world problems. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5380. Internship.
Application of techniques of applied geography in an actual on-thejob setting. Internships will be arranged and supervised by the Internship Director. May be repeated once for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5390. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for a total of six semester hours of credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5391. Foundation Studies in Geography.
Students develop knowledge and skills required for success in graduate-level coursework in Geography. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

GEO 5393B. Biogeography in Mountain Environments.
This course examines how plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms and geological factors affect spatial distribution of animals and plants; all within the environmental limitation and conditions of mountains. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393C. Exploring Spatial Databases.
This course covers principles of spatial ontologies and spatial semantics to facilitate appropriate database conceptualization, design and implementation. Course assignments and projects will provide in-depth experience with database query languages. Many DBMSs will be reviewed, but practical work will be completed with RDBMSs. Prerequisite: GEO 5418 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393D. Water Resource Planning.
This seminar presents case-studies related to water quality protection and mitigation and to the planning of water supply at the state and regional level from a policy practitioner's perspective. The objective of the course is to identify the components of the planning process and its outcomes, including water-use conservation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393E. Geomorphology in the Anthropocene.
This course will examine the ways in which humans interact with and affect geomorphological processes and landforms, and how humans directly act as geomorphological agents. The level at which human activities have transformed the surface of the Earth will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393F. Spatial Thinking in Education.
This course introduces the concept of spatial thinking and discusses how spatial thinking may be taught in the context of K-16 education. Students will examine various instructional strategies to facilitate spatial thinking in the classroom and design grade-level appropriate learning experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393G. Jobs, Careers, and Professional Development in Geography.
This course introduces graduate students to research-based strategies for career planning and professional development in geography. Career opportunities for geographers in business, government, nonprofit, and academic organizations are examined. The course also analyzes professional identities, applications of geography in society, professional ethics, lifelong learning, work-life balance, and professional networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393K. Advanced Web Cartography and Data Visualization.
This course provides advanced training in the design and development of interactive, web-based data visualization systems with emphasis on the modern cartographic process and the spatial applications of interactive data visualization principles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5395. Problems in Applied Geography.
Designed to consider a selected topic relating to applied geography. Emphasis on the practical application of geographic tools, with individual or group participation in a specific project. Course topics may vary depending on student and faculty interests and may apply to any of the three graduate tracks: physical-environmental, land area development and management, or cartography. Repeatable for up to six hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in GEO 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5408. Web Mapping.
This course introduces students to modern interactive and dynamic mapping and GIS techniques that allow internet-based cartographic representations of temporal and non-temporal geospatial objects and phenomena. Prerequisite: GEO 3411 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5415. Geographic Applications of Remote Sensing.
Students will focus on Geographic applications of the principles and practices of digital image processing, classification, and modeling using satellite images.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5417. Advanced Cartographic Design.
This advanced course in cartography focuses on thematic map design. The objective is to produce a series of well-designed, professional grade maps (or an atlas) that students can use to build a cartographic portfolio. Theoretical concepts and principles will be introduced using practical examples and written assignments. Prerequisite: GEO 3411 with a grade of "D" or better or instructor approval.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5418. Geographic Information Systems I.
Course is concerned with the analysis and interpretation of maps stored in digital form. Students are introduced to concepts and practices involving computerized cartographic and geographic data input, storage and retrieval, data manipulation and analysis, graphic and tabular report generation, and cartographic modeling.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5419. Geographic Information Systems II.
This course aims to develop more advanced GIS concepts and application issues, further spatial data manipulation and analysis skills, and provide hands-on experience with GIS hardware and software programs. The emphasis will be on practical application of skills to real world issues. Prerequisite: GEO 5418 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5424. GPS and GIS.
Students will learn to plan and conduct fieldwork using Global Positioning System (GPS) to differentially correct GPS data, and to build Geographic Information Systems (GIS) applications using GPS technology. The course is project-based and involves working with external clients(s). Prerequisites: GEO 2426 with a grade of "D" or better or GEO 5418 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5430. Field Methods.
Course will emphasize common field techniques necessary in the construction of accurate maps. Various kinds of data collection techniques will be presented that will facilitate geographic research. Prerequisite: GEO 3301 with a grade of "D" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5680. Internship.
Application of techniques of applied geography in an actual on-thejob setting. Internships will be arranged and supervised by the Internship Director.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Applied Geography (M.A.Geo.) Major in Geography (Geographic Education Concentration)

Major Program

The Master of Applied Geography (M.A.Geo.) degree with a major in Geography is designed to prepare geographers to use their skills and background knowledge to solve real-world problems with geographic dimensions. Applied Geography includes such sub-fields as Environmental Management, Geographic Education, GIS, Cartography, Land use Planning, Location Analysis, Land Management, Transportation Systems Planning, Applied Physical Geography, Geographic Aspects of Environmental Law, and Spatial Modeling.

Financial Assistance

Graduate assistantships are available to qualified candidates. Please contact the graduate program coordinator in the Department of Geography for more information about financial assistance and the degree programs. For scholarship information, please visit The Graduate College website at http://www.gradcollege.txstate.edu/funding.html.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- background course work
- minimum 3.2 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose identifying the student's preferred degree and concentration and possible areas of research
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Applied Geography (M.A.Geo.) degree with a major in Geography concentration in geographic education requires 33 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses

Course Requirements

Code	Title	Hours
Required Courses		
GEO 5300	Applied Research Design and Techniques	3
GEO 5301	Multivariate Quantitative Methods	3

GEO 5309	Geographical Analysis	3
GEO 5335	Directed Research	3
Concentration		
GEO 5340	Active Learning in Geography	3
Choose 6 hours from the following:		6
GEO 5308	Regional Field Studies	
GEO 5313	Environmental Management	
GEO 5315	Advanced Regional Studies	
GEO 5323	Location Analysis	
GEO 5341	Contemporary Issues in Geographic Education	
GEO 5342	Seminar: Theory and Methods of Geographic Education	
GEO 5343	Technology in Geographic Education	
GEO 5344	Seminar in Geographic Curriculum	
GEO 5349	Population Geography	
GEO 5370	Seminar in Applied Physical Geography	
GEO 5395	Problems in Applied Geography	
Electives		
Choose 12 hours from the following:		12
GEO 5308	Regional Field Studies	
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	
GEO 5314	Geographic Elements of Environmental Law	
GEO 5316	Applied Physical Geography	
GEO 5317	Seminar in Applied Human Geography	
GEO 5318	Environment Problems of the U.S.-Mexico Border	
GEO 5319	Seminar in Nature and Heritage Tourism	
GEO 5322	Interpretive Environmental Geography	
GEO 5323	Location Analysis	
GEO 5326	Parks and Protected Places	
GEO 5329	Historical Geography of the Environment	
GEO 5330	Geography of Hazards	
GEO 5332	Environmental Geography of the Coastal Zone	
GEO 5334	Applied Water Resources	
GEO 5336	Transportation Systems	
GEO 5339	The Geography of Land Management	
GEO 5340	Active Learning in Geography	
GEO 5341	Contemporary Issues in Geographic Education	
GEO 5342	Seminar: Theory and Methods of Geographic Education	
GEO 5343	Technology in Geographic Education	
GEO 5344	Seminar in Geographic Curriculum	
GEO 5349	Population Geography	
GEO 5351	Regional Waste Management	
GEO 5352	Air Quality Management	
GEO 5353	Emergency Management	
GEO 5360	Seminar in Planning Problems	
GEO 5370	Seminar in Applied Physical Geography	
GEO 5380	Internship	
GEO 5390	Independent Study	
GEO 5395	Problems in Applied Geography	
GEO 5408	Web Mapping	
GEO 5415	Geographic Applications of Remote Sensing	
GEO 5417	Advanced Cartographic Design	
GEO 5418	Geographic Information Systems I	
GEO 5419	Geographic Information Systems II	
GEO 5424	GPS and GIS	
GEO 5430	Field Methods	
GEO 5680	Internship	
May choose 6 hours of advisor-approved electives from outside the department		
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Geography: GEO

Courses Offered

Geography (GEO)

GEO 5190. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for a total of six semester hours of credit. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5290. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for total of six semester hours of credit. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5300. Applied Research Design and Techniques.
Students will be introduced to appropriate research methods for applied geographers. Emphasis will be placed on the scientific method, productive library research, data collection and analysis, fieldwork, effective writing, and the nature of graphic representation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5301. Multivariate Quantitative Methods.
The use of multivariate descriptive and inferential statistics as applied to geographic data and problems, beginning with the general linear model and including topics such as multiple regression, principal components analysis, discriminant analysis, and clustering algorithms. Prerequisite: GEO 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5304. Qualitative Research Methods.
This course introduces the qualitative research paradigm, including research design, methods of data collection, and inductive analysis. Standards of scientific research that call for a deeper evaluation of complex social relationships are emphasized. The focus and application will be oriented towards human geography and nature-society relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5308. Regional Field Studies.
Study of geographic phenomena during field excursions to a particular site or region. Students will study the physical and/or cultural environments through off-campus field experience. Students will research, analyze, and report on major regional geographic features. Repeatable once for additional credit with a different site or region.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5309. Geographical Analysis.
A survey of typical spatial problems of interest to geographers, with emphasis on current research and application being undertaken by the faculty in the Department of Geography. Topics include environmental geography, geographic education, land use and regional development, and cartographic representation and geographic information theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5312. Managing Urbanization.
Survey methods and procedures related to managing and preparing for urban growth. Selected topics for examination include transportation planning, housing, historic preservation, and environmental design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5313. Environmental Management.
An analysis of the major causes of environmental deterioration together with the basic strategies of dealing with these problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5314. Geographic Elements of Environmental Law.
A survey of environmental laws related to land, air, and water pollution. The nature of environmental problems will be studied as they relate to urbanization, industrialization, land development, noise, radiation and solid waste management, and the laws and guidelines that have been passed to alleviate such problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5315. Advanced Regional Studies.
Course focus is the region. Case studies will be selected from political and functional regions. Course content will include such information as demographics, economy, physical and social environments, transportation, and foreign trade. May be repeated for credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5316. Applied Physical Geography.
This course is a survey of methods and techniques used in the collection, analysis, and evaluation of information relating to problems within the physical environment. Emphasis will be on problems characteristic of particular geographic locations or specific environmental settings. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5317. Seminar in Applied Human Geography.
A focus on the methods and techniques used in the collection, analysis, and evaluation of information relating to problems within the human geographical environment. Emphasis will be on problems pertaining to particular geographic locations or special environmental settings. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5318. Environment Problems of the U.S.-Mexico Border.
This course serves as an in-depth introduction to the physical, social, and environmental landscapes of the region of the U.S.-Mexico Border. The course applies an interdisciplinary perspective to geographic understanding of the environmental and health-related issues experienced by residents of the borderlands. Special attention is given to management and planning solutions to the region's problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5319. Seminar in Nature and Heritage Tourism.
This seminar focuses on the special geographic issues of nature and heritage tourism. Particular emphasis is placed on sites and activities, costs and benefits, commoditization and authenticity, resource protection, and substantive learning content of nature and heritage tourism activities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5322. Interpretive Environmental Geography.
Students learn to use geographic theories and concepts to provide holistic and thematic interpretation of environmental information, as specified by interpretive principles. Students also learn advanced use of traditional and digital presentation techniques and research methods, which include audience assessment and program evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5323. Location Analysis.
Factors of importance in the decision-making process of locating both public and private sector facilities. Attention will be paid to the location of manufacturing activities, commercial enterprises, and a variety of social service facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5326. Parks and Protected Places.
This course serves as an in-depth introduction to the philosophy, establishment, and operation of public parks, wildlife refuges, protected areas, non-governmental preserves and historic sites. Students will be introduced to the scientific and policy rationale for the creation of such areas as well as methods of classification and acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5329. Historical Geography of the Environment.
This course will introduce students to ideas, concepts, and literature in historical geography of the environment. It will explore methods used to document past environments and examine environmental changes, and it will analyze the distinctions between historical geography and related fields of study.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5330. Geography of Hazards.
This course focuses on understanding and advancing scholarship in hazards research – the threats to life, health, and welfare caused by natural, technological, and/or social processes, and disasters. Special emphasis is placed on understanding the complexities of the assessment and management of risks, hazards, and disasters at multiple geographic scales.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5332. Environmental Geography of the Coastal Zone.
Investigation of the physical geographic factors associated with the coastal zone and the role of human activities in problems and opportunities characteristic of this environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5334. Applied Water Resources.
Application of techniques employed in water management including flood hazards, water supply assessment, and water management strategies. Students will apply principles to specific watersheds and water problems including the analysis of various physical, land use, and legal parameters.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5335. Directed Research.
A course designed to allow the student to pursue a topic of applied geographic research under the direct supervision of a professor. Generally, the topic will be something that is not customarily dealt with in an organized class. Topics should be selected that involve library research and field investigation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5336. Transportation Systems.
This course introduces key concepts and methods of transportation geography and transportation planning. Topics include, among others, the spatial structure of transportation systems, transportation economics, and logistics. Various methods, techniques, and technologies for transportation analysis, particularly Geographic Information Systems (GIS), will be explored and applied as part of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5339. The Geography of Land Management.
This course explores U.S. land management philosophies, techniques, and development approaches. Major topics include land ethics/philosophies, U.S. traditions in cadastral geography, urban sprawl and green development, land conservation techniques, the role of local/state/federal regulations in land management, and the human environmental impacts of land development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5340. Active Learning in Geography.
The course focuses on instructional strategies that will allow teachers to promote active learning in geography. Emphasis will be on how active learning can help students reach geography content and skills standards.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5341. Contemporary Issues in Geographic Education.
This course examines current approaches to teaching geography in American education. Specific attention will be given to new classroom materials, curriculum reform efforts, and research developments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5342. Seminar: Theory and Methods of Geographic Education.
A critical analysis of previous and current literature concerning problems in pedagogy, philosophy, teaming theory, research methods, teaching methodologies, and techniques of geographic education. A research paper will be required of each student on a topic related to the course content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5343. Technology in Geographic Education.
The course focuses on the applications and implications of technology in geographic education, particularly its role as an instructional tool to promote inquiry-based learning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5344. Seminar in Geographic Curriculum.
A survey and discussion of major curricula in geographic education. Geography will be viewed as a school subject that is part of the social studies, as an element of interdisciplinary studies, and as a stand-alone subject.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5349. Population Geography.
An in-depth study of the spatial distribution and movement of human populations. Course will emphasize current issues and analytical techniques. Topics will include the impact of population growth, spatial diffusion processes, migration trends and theories, explanation of regional demographic differences, and techniques such as population projections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5350. Practicum in Teaching Geography.
This course introduces key concepts in teaching geography and provides regular training and planned periodic evaluations of instructional responsibilities. Course topics include instructional and assessment strategies in geography and classroom management. This course is required for first-year instructional assistants in the Geography Department. Students do not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

GEO 5351. Regional Waste Management.
The principles of effective solid waste planning and management will be examined as they relate to such activities as waste generation, storage and collection, transfer and transportation, processing and volume reduction, resource conservation and recovery, the disposal of wastes, and the handling of special wastes, particularly those of a toxic and hazardous nature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5352. Air Quality Management.
A geographic assessment of air quality management in the United States. Spatial distribution of the types, sources, and effects of air pollutants. Meteorology and physics of air pollution dispersion. Legislative and regulatory approaches to pollution management. National, state, regional, and local policy development procedures. Geographic methods for air pollution management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5353. Emergency Management.
This course provides an overview of the most important aspects of emergency management at all geographic scales, with emphasis on local, regional, and federal levels. Best practices and proper methodologies are emphasized as well as ways that students can develop the skills and capabilities for a career in this field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5360. Seminar in Planning Problems.
A critical and in-depth examination of several problem areas currently facing the planner.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5370. Seminar in Applied Physical Geography.
Critical analysis of theories, models, and techniques of physical geographic research with the focus on application to real-world problems. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5380. Internship.
Application of techniques of applied geography in an actual on-thejob setting. Internships will be arranged and supervised by the Internship Director. May be repeated once for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5390. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for a total of six semester hours of credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5391. Foundation Studies in Geography.
Students develop knowledge and skills required for success in graduate-level coursework in Geography. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

GEO 5393B. Biogeography in Mountain Environments.
This course examines how plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms and geological factors affect spatial distribution of animals and plants; all within the environmental limitation and conditions of mountains. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393C. Exploring Spatial Databases.
This course covers principles of spatial ontologies and spatial semantics to facilitate appropriate database conceptualization, design and implementation. Course assignments and projects will provide in-depth experience with database query languages. Many DBMSs will be reviewed, but practical work will be completed with RDBMSs. Prerequisite: GEO 5418 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393D. Water Resource Planning.
This seminar presents case-studies related to water quality protection and mitigation and to the planning of water supply at the state and regional level from a policy practitioner's perspective. The objective of the course is to identify the components of the planning process and its outcomes, including water-use conservation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393E. Geomorphology in the Anthropocene.
This course will examine the ways in which humans interact with and affect geomorphological processes and landforms, and how humans directly act as geomorphological agents. The level at which human activities have transformed the surface of the Earth will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393F. Spatial Thinking in Education.
This course introduces the concept of spatial thinking and discusses how spatial thinking may be taught in the context of K-16 education. Students will examine various instructional strategies to facilitate spatial thinking in the classroom and design grade-level appropriate learning experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393G. Jobs, Careers, and Professional Development in Geography.
This course introduces graduate students to research-based strategies for career planning and professional development in geography. Career opportunities for geographers in business, government, nonprofit, and academic organizations are examined. The course also analyzes professional identities, applications of geography in society, professional ethics, lifelong learning, work-life balance, and professional networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393K. Advanced Web Cartography and Data Visualization.
This course provides advanced training in the design and development of interactive, web-based data visualization systems with emphasis on the modern cartographic process and the spatial applications of interactive data visualization principles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5395. Problems in Applied Geography.
Designed to consider a selected topic relating to applied geography. Emphasis on the practical application of geographic tools, with individual or group participation in a specific project. Course topics may vary depending on student and faculty interests and may apply to any of the three graduate tracks: physical-environmental, land area development and management, or cartography. Repeatable for up to six hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in GEO 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5408. Web Mapping.
This course introduces students to modern interactive and dynamic mapping and GIS techniques that allow internet-based cartographic representations of temporal and non-temporal geospatial objects and phenomena. Prerequisite: GEO 3411 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5415. Geographic Applications of Remote Sensing.
Students will focus on Geographic applications of the principles and practices of digital image processing, classification, and modeling using satellite images.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5417. Advanced Cartographic Design.
This advanced course in cartography focuses on thematic map design. The objective is to produce a series of well-designed, professional grade maps (or an atlas) that students can use to build a cartographic portfolio. Theoretical concepts and principles will be introduced using practical examples and written assignments. Prerequisite: GEO 3411 with a grade of "D" or better or instructor approval.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5418. Geographic Information Systems I.
Course is concerned with the analysis and interpretation of maps stored in digital form. Students are introduced to concepts and practices involving computerized cartographic and geographic data input, storage and retrieval, data manipulation and analysis, graphic and tabular report generation, and cartographic modeling.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5419. Geographic Information Systems II.
This course aims to develop more advanced GIS concepts and application issues, further spatial data manipulation and analysis skills, and provide hands-on experience with GIS hardware and software programs. The emphasis will be on practical application of skills to real world issues. Prerequisite: GEO 5418 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5424. GPS and GIS.
Students will learn to plan and conduct fieldwork using Global Positioning System (GPS) to differentially correct GPS data, and to build Geographic Information Systems (GIS) applications using GPS technology. The course is project-based and involves working with external clients(s). Prerequisites: GEO 2426 with a grade of "D" or better or GEO 5418 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5430. Field Methods.
Course will emphasize common field techniques necessary in the construction of accurate maps. Various kinds of data collection techniques will be presented that will facilitate geographic research. Prerequisite: GEO 3301 with a grade of "D" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5680. Internship.
Application of techniques of applied geography in an actual on-thejob setting. Internships will be arranged and supervised by the Internship Director.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Applied Geography (M.A.Geo.) Major in Geography Resource and Environmental Studies

Program Overview

The Master of Applied Geography (M.A.Geo.) degree program is designed to prepare geographers to use their skills and background knowledge to solve real-world problems with geographic dimensions. Applied Geography includes such sub-fields as Environmental Management, Geographic Education, GIS, Cartography, Land use Planning, Location Analysis, Land Management, Transportation Systems Planning, Applied Physical Geography, Geographic Aspects of Environmental Law, and Spatial Modeling.

Financial Assistance

Graduate assistantships are available to qualified candidates. Please contact the graduate program coordinator in the Department of Geography for more information about financial assistance and the degree programs. For scholarship information, please visit The Graduate College website at http://www.gradcollege.txstate.edu/funding.html.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.2 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose identifying the student's preferred degree and concentration and possible areas of research
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Applied Geography (M.A.Geo.) degree with a major in Geography Resource and Environmental Studies that requires 33 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
GEO 5300	Applied Research Design and Techniques	3
GEO 5301	Multivariate Quantitative Methods	3
GEO 5309	Geographical Analysis	3
GEO 5335	Directed Research	3
Concentration		
GEO 5313	Environmental Management	3

GEO 5314	Geographic Elements of Environmental Law	3
Choose 9 hours from the following:		9
GEO 5312	Managing Urbanization	
GEO 5316	Applied Physical Geography	
GEO 5317	Seminar in Applied Human Geography	
GEO 5330	Geography of Hazards	
GEO 5334	Applied Water Resources	
GEO 5336	Transportation Systems	
GEO 5339	The Geography of Land Management	
GEO 5349	Population Geography	
GEO 5351	Regional Waste Management	
GEO 5352	Air Quality Management	
GEO 5370	Seminar in Applied Physical Geography	
GEO 5390	Independent Study	
GEO 5418	Geographic Information Systems I	
GEO 5430	Field Methods	
Electives		
Choose 6 hours from the following:		6
GEO 5308	Regional Field Studies	
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	
GEO 5314	Geographic Elements of Environmental Law	
GEO 5316	Applied Physical Geography	
GEO 5317	Seminar in Applied Human Geography	
GEO 5318	Environment Problems of the U.S.-Mexico Border	
GEO 5319	Seminar in Nature and Heritage Tourism	
GEO 5322	Interpretive Environmental Geography	
GEO 5323	Location Analysis	
GEO 5326	Parks and Protected Places	
GEO 5329	Historical Geography of the Environment	
GEO 5330	Geography of Hazards	
GEO 5332	Environmental Geography of the Coastal Zone	
GEO 5334	Applied Water Resources	
GEO 5336	Transportation Systems	
GEO 5339	The Geography of Land Management	
GEO 5340	Active Learning in Geography	
GEO 5341	Contemporary Issues in Geographic Education	
GEO 5342	Theory and Research Methods in Geographic Education	
GEO 5343	Technology in Geographic Education	
GEO 5344	Seminar in Geographic Curriculum	
GEO 5349	Population Geography	
GEO 5351	Regional Waste Management	
GEO 5352	Air Quality Management	
GEO 5353	Emergency Management	
GEO 5360	Seminar in Planning Problems	
GEO 5370	Seminar in Applied Physical Geography	
GEO 5380	Internship	
GEO 5390	Independent Study	
GEO 5395	Problems in Applied Geography	
GEO 5408	Web Mapping	
GEO 5415	Geographic Applications of Remote Sensing	
GEO 5417	Advanced Cartographic Design	
GEO 5418	Geographic Information Systems I	
GEO 5419	Geographic Information Systems II	
GEO 5424	GPS and GIS	
GEO 5430	Field Methods	
GEO 5680	Internship	
May choose 3 hours of advisor-approved electives from outside the department		
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Geography: GEO

Courses Offered

Geography (GEO)

GEO 5190. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for a total of six semester hours of credit. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5290. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for total of six semester hours of credit. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5300. Applied Research Design and Techniques.
Students will be introduced to appropriate research methods for applied geographers. Emphasis will be placed on the scientific method, productive library research, data collection and analysis, fieldwork, effective writing, and the nature of graphic representation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5301. Multivariate Quantitative Methods.
The use of multivariate descriptive and inferential statistics as applied to geographic data and problems, beginning with the general linear model and including topics such as multiple regression, principal components analysis, discriminant analysis, and clustering algorithms. Prerequisite: GEO 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5304. Qualitative Research Methods.
This course introduces the qualitative research paradigm, including research design, methods of data collection, and inductive analysis. Standards of scientific research that call for a deeper evaluation of complex social relationships are emphasized. The focus and application will be oriented towards human geography and nature-society relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5308. Regional Field Studies.
Study of geographic phenomena during field excursions to a particular site or region. Students will study the physical and/or cultural environments through off-campus field experience. Students will research, analyze, and report on major regional geographic features. Repeatable once for additional credit with a different site or region.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5309. Geographical Analysis.
A survey of typical spatial problems of interest to geographers, with emphasis on current research and application being undertaken by the faculty in the Department of Geography. Topics include environmental geography, geographic education, land use and regional development, and cartographic representation and geographic information theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5312. Managing Urbanization.
Survey methods and procedures related to managing and preparing for urban growth. Selected topics for examination include transportation planning, housing, historic preservation, and environmental design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5313. Environmental Management.
An analysis of the major causes of environmental deterioration together with the basic strategies of dealing with these problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5314. Geographic Elements of Environmental Law.
A survey of environmental laws related to land, air, and water pollution. The nature of environmental problems will be studied as they relate to urbanization, industrialization, land development, noise, radiation and solid waste management, and the laws and guidelines that have been passed to alleviate such problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5315. Advanced Regional Studies.
Course focus is the region. Case studies will be selected from political and functional regions. Course content will include such information as demographics, economy, physical and social environments, transportation, and foreign trade. May be repeated for credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5316. Applied Physical Geography.
This course is a survey of methods and techniques used in the collection, analysis, and evaluation of information relating to problems within the physical environment. Emphasis will be on problems characteristic of particular geographic locations or specific environmental settings. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5317. Seminar in Applied Human Geography.
A focus on the methods and techniques used in the collection, analysis, and evaluation of information relating to problems within the human geographical environment. Emphasis will be on problems pertaining to particular geographic locations or special environmental settings. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5318. Environment Problems of the U.S.-Mexico Border.
This course serves as an in-depth introduction to the physical, social, and environmental landscapes of the region of the U.S.-Mexico Border. The course applies an interdisciplinary perspective to geographic understanding of the environmental and health-related issues experienced by residents of the borderlands. Special attention is given to management and planning solutions to the region's problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5319. Seminar in Nature and Heritage Tourism.
This seminar focuses on the special geographic issues of nature and heritage tourism. Particular emphasis is placed on sites and activities, costs and benefits, commoditization and authenticity, resource protection, and substantive learning content of nature and heritage tourism activities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5322. Interpretive Environmental Geography.
Students learn to use geographic theories and concepts to provide holistic and thematic interpretation of environmental information, as specified by interpretive principles. Students also learn advanced use of traditional and digital presentation techniques and research methods, which include audience assessment and program evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5323. Location Analysis.
Factors of importance in the decision-making process of locating both public and private sector facilities. Attention will be paid to the location of manufacturing activities, commercial enterprises, and a variety of social service facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5326. Parks and Protected Places.
This course serves as an in-depth introduction to the philosophy, establishment, and operation of public parks, wildlife refuges, protected areas, non-governmental preserves and historic sites. Students will be introduced to the scientific and policy rationale for the creation of such areas as well as methods of classification and acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5329. Historical Geography of the Environment.
This course will introduce students to ideas, concepts, and literature in historical geography of the environment. It will explore methods used to document past environments and examine environmental changes, and it will analyze the distinctions between historical geography and related fields of study.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5330. Geography of Hazards.
This course focuses on understanding and advancing scholarship in hazards research – the threats to life, health, and welfare caused by natural, technological, and/or social processes, and disasters. Special emphasis is placed on understanding the complexities of the assessment and management of risks, hazards, and disasters at multiple geographic scales.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5332. Environmental Geography of the Coastal Zone.
Investigation of the physical geographic factors associated with the coastal zone and the role of human activities in problems and opportunities characteristic of this environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5334. Applied Water Resources.
Application of techniques employed in water management including flood hazards, water supply assessment, and water management strategies. Students will apply principles to specific watersheds and water problems including the analysis of various physical, land use, and legal parameters.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5335. Directed Research.
A course designed to allow the student to pursue a topic of applied geographic research under the direct supervision of a professor. Generally, the topic will be something that is not customarily dealt with in an organized class. Topics should be selected that involve library research and field investigation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5336. Transportation Systems.
This course introduces key concepts and methods of transportation geography and transportation planning. Topics include, among others, the spatial structure of transportation systems, transportation economics, and logistics. Various methods, techniques, and technologies for transportation analysis, particularly Geographic Information Systems (GIS), will be explored and applied as part of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5339. The Geography of Land Management.
This course explores U.S. land management philosophies, techniques, and development approaches. Major topics include land ethics/philosophies, U.S. traditions in cadastral geography, urban sprawl and green development, land conservation techniques, the role of local/state/federal regulations in land management, and the human environmental impacts of land development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5340. Active Learning in Geography.
The course focuses on instructional strategies that will allow teachers to promote active learning in geography. Emphasis will be on how active learning can help students reach geography content and skills standards.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5341. Contemporary Issues in Geographic Education.
This course examines current approaches to teaching geography in American education. Specific attention will be given to new classroom materials, curriculum reform efforts, and research developments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5342. Seminar: Theory and Methods of Geographic Education.
A critical analysis of previous and current literature concerning problems in pedagogy, philosophy, teaming theory, research methods, teaching methodologies, and techniques of geographic education. A research paper will be required of each student on a topic related to the course content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5343. Technology in Geographic Education.
The course focuses on the applications and implications of technology in geographic education, particularly its role as an instructional tool to promote inquiry-based learning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5344. Seminar in Geographic Curriculum.
A survey and discussion of major curricula in geographic education. Geography will be viewed as a school subject that is part of the social studies, as an element of interdisciplinary studies, and as a stand-alone subject.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5349. Population Geography.
An in-depth study of the spatial distribution and movement of human populations. Course will emphasize current issues and analytical techniques. Topics will include the impact of population growth, spatial diffusion processes, migration trends and theories, explanation of regional demographic differences, and techniques such as population projections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5350. Practicum in Teaching Geography.
This course introduces key concepts in teaching geography and provides regular training and planned periodic evaluations of instructional responsibilities. Course topics include instructional and assessment strategies in geography and classroom management. This course is required for first-year instructional assistants in the Geography Department. Students do not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

GEO 5351. Regional Waste Management.
The principles of effective solid waste planning and management will be examined as they relate to such activities as waste generation, storage and collection, transfer and transportation, processing and volume reduction, resource conservation and recovery, the disposal of wastes, and the handling of special wastes, particularly those of a toxic and hazardous nature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5352. Air Quality Management.
A geographic assessment of air quality management in the United States. Spatial distribution of the types, sources, and effects of air pollutants. Meteorology and physics of air pollution dispersion. Legislative and regulatory approaches to pollution management. National, state, regional, and local policy development procedures. Geographic methods for air pollution management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5353. Emergency Management.
This course provides an overview of the most important aspects of emergency management at all geographic scales, with emphasis on local, regional, and federal levels. Best practices and proper methodologies are emphasized as well as ways that students can develop the skills and capabilities for a career in this field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5360. Seminar in Planning Problems.
A critical and in-depth examination of several problem areas currently facing the planner.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5370. Seminar in Applied Physical Geography.
Critical analysis of theories, models, and techniques of physical geographic research with the focus on application to real-world problems. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5380. Internship.
Application of techniques of applied geography in an actual on-thejob setting. Internships will be arranged and supervised by the Internship Director. May be repeated once for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5390. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for a total of six semester hours of credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5391. Foundation Studies in Geography.
Students develop knowledge and skills required for success in graduate-level coursework in Geography. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

GEO 5393B. Biogeography in Mountain Environments.
This course examines how plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms and geological factors affect spatial distribution of animals and plants; all within the environmental limitation and conditions of mountains. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393C. Exploring Spatial Databases.
This course covers principles of spatial ontologies and spatial semantics to facilitate appropriate database conceptualization, design and implementation. Course assignments and projects will provide in-depth experience with database query languages. Many DBMSs will be reviewed, but practical work will be completed with RDBMSs. Prerequisite: GEO 5418 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393D. Water Resource Planning.
This seminar presents case-studies related to water quality protection and mitigation and to the planning of water supply at the state and regional level from a policy practitioner's perspective. The objective of the course is to identify the components of the planning process and its outcomes, including water-use conservation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393E. Geomorphology in the Anthropocene.
This course will examine the ways in which humans interact with and affect geomorphological processes and landforms, and how humans directly act as geomorphological agents. The level at which human activities have transformed the surface of the Earth will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393F. Spatial Thinking in Education.
This course introduces the concept of spatial thinking and discusses how spatial thinking may be taught in the context of K-16 education. Students will examine various instructional strategies to facilitate spatial thinking in the classroom and design grade-level appropriate learning experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393G. Jobs, Careers, and Professional Development in Geography.
This course introduces graduate students to research-based strategies for career planning and professional development in geography. Career opportunities for geographers in business, government, nonprofit, and academic organizations are examined. The course also analyzes professional identities, applications of geography in society, professional ethics, lifelong learning, work-life balance, and professional networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393K. Advanced Web Cartography and Data Visualization.
This course provides advanced training in the design and development of interactive, web-based data visualization systems with emphasis on the modern cartographic process and the spatial applications of interactive data visualization principles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5395. Problems in Applied Geography.
Designed to consider a selected topic relating to applied geography. Emphasis on the practical application of geographic tools, with individual or group participation in a specific project. Course topics may vary depending on student and faculty interests and may apply to any of the three graduate tracks: physical-environmental, land area development and management, or cartography. Repeatable for up to six hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in GEO 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5408. Web Mapping.
This course introduces students to modern interactive and dynamic mapping and GIS techniques that allow internet-based cartographic representations of temporal and non-temporal geospatial objects and phenomena. Prerequisite: GEO 3411 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5415. Geographic Applications of Remote Sensing.
Students will focus on Geographic applications of the principles and practices of digital image processing, classification, and modeling using satellite images.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5417. Advanced Cartographic Design.
This advanced course in cartography focuses on thematic map design. The objective is to produce a series of well-designed, professional grade maps (or an atlas) that students can use to build a cartographic portfolio. Theoretical concepts and principles will be introduced using practical examples and written assignments. Prerequisite: GEO 3411 with a grade of "D" or better or instructor approval.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5418. Geographic Information Systems I.
Course is concerned with the analysis and interpretation of maps stored in digital form. Students are introduced to concepts and practices involving computerized cartographic and geographic data input, storage and retrieval, data manipulation and analysis, graphic and tabular report generation, and cartographic modeling.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5419. Geographic Information Systems II.
This course aims to develop more advanced GIS concepts and application issues, further spatial data manipulation and analysis skills, and provide hands-on experience with GIS hardware and software programs. The emphasis will be on practical application of skills to real world issues. Prerequisite: GEO 5418 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5424. GPS and GIS.
Students will learn to plan and conduct fieldwork using Global Positioning System (GPS) to differentially correct GPS data, and to build Geographic Information Systems (GIS) applications using GPS technology. The course is project-based and involves working with external clients(s). Prerequisites: GEO 2426 with a grade of "D" or better or GEO 5418 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5430. Field Methods.
Course will emphasize common field techniques necessary in the construction of accurate maps. Various kinds of data collection techniques will be presented that will facilitate geographic research. Prerequisite: GEO 3301 with a grade of "D" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5680. Internship.
Application of techniques of applied geography in an actual on-thejob setting. Internships will be arranged and supervised by the Internship Director.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Geography

Program Overview

The Master of Science (M.S.) degree with a major in Geography is designed to give highly qualified students exposure to geographic theory and research at the pre-doctoral level. Programmatic emphases include Environmental Geography, Geographic Education, Geographic Information Science, and other specialty areas in geography represented by the current active research interests of the faculty.

Financial Assistance

Graduate assistantships are available to qualified candidates. Please contact the graduate program coordinator in the Department of Geography for more information about financial assistance and the degree programs. For scholarship information, please visit The Graduate College website at http://www.gradcollege.txstate.edu/funding.html.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- background course work
- minimum 3.4 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose identifying the student's preferred degree and concentration and possible areas of research
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Geography requires 30 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
GEO 5301	Multivariate Quantitative Methods	3
GEO 5309	Geographical Analysis	3
GEO 7300	Advanced Geographic Research Design	3
Electives		
Choose 9 hours of electives from following:		9
GEO 5308	Regional Field Studies	
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	

GEO 5314	Geographic Elements of Environmental Law	
GEO 5316	Applied Physical Geography	
GEO 5317	Seminar in Applied Human Geography	
GEO 5318	Environment Problems of the U.S.-Mexico Border	
GEO 5319	Seminar in Nature and Heritage Tourism	
GEO 5322	Interpretive Environmental Geography	
GEO 5323	Location Analysis	
GEO 5326	Parks and Protected Places	
GEO 5329	Historical Geography of the Environment	
GEO 5330	Geography of Hazards	
GEO 5332	Environmental Geography of the Coastal Zone	
GEO 5334	Applied Water Resources	
GEO 5336	Transportation Systems	
GEO 5339	The Geography of Land Management	
GEO 5340	Active Learning in Geography	
GEO 5341	Contemporary Issues in Geographic Education	
GEO 5342	Theory and Research Methods in Geographic Education	
GEO 5343	Technology in Geographic Education	
GEO 5344	Seminar in Geographic Curriculum	
GEO 5349	Population Geography	
GEO 5351	Regional Waste Management	
GEO 5352	Air Quality Management	
GEO 5353	Emergency Management	
GEO 5360	Seminar in Planning Problems	
GEO 5370	Seminar in Applied Physical Geography	
GEO 5380	Internship	
GEO 5390	Independent Study	
GEO 5395	Problems in Applied Geography	
GEO 5408	Web Mapping	
GEO 5415	Geographic Applications of Remote Sensing	
GEO 5417	Advanced Cartographic Design	
GEO 5418	Geographic Information Systems I	
GEO 5419	Geographic Information Systems II	
GEO 5424	GPS and GIS	
GEO 5430	Field Methods	
GEO 5680	Internship	
Choose 6 hours from the following:		6
GEO 7301	Advanced Quantitative Methods in Geography	
GEO 7302	Nature and Philosophy of Geography	
GEO 7305	Historical Geography of the American Environment	
GEO 7308	Advanced Regional Field Studies	
GEO 7313	Environmental Systems Analysis	
GEO 7314	Environmental Geography of Resource Development	
GEO 7316	Remote Sensing and the Environment	
GEO 7318	GIS and Environmental Geography	
GEO 7330	Geography of Hazards	
GEO 7334	Geographic Aspects of Water	
GEO 7341	Urban Environment	
GEO 7342	Theories and Methods in Geographic Education	
GEO 7344	Seminar in Geographic Curriculum	
GEO 7346	Standards and Assessment in Geography	
GEO 7348	Ethnic Geography	
GEO 7349	Population Geography	
GEO 7361	Advanced Geographic Information Systems	
GEO 7362	Geographic Visualization	
GEO 7364	Geocomputation	
GEO 7365	Theoretical Cartography	
GEO 7366	Advanced Topics in Remote Sensing	
GEO 7370	Advanced Seminar in Environmental Geography	
GEO 7371	Advanced Seminar in Geographic Education	
GEO 7372	Seminar in Geographic Information Science	
GEO 7390	Independent Study	
GEO 7391	Foundation Studies in Geography	
GEO 7393A		
GEO 7393B	Biogeography in Mountain Environments	
GEO 7393C	Managing Urbanization	
GEO 7393D	International Migration	
GEO 7393E	Geography of Land Mangagement	
GEO 7393F	Gender and Development	
GEO 7393G	Political Geography	
GEO 7393I	Contemporary Topics in Geography Education	
GEO 7393J	Soil and Society	
GEO 7393K	Biogeomorphology	
GEO 7393L	Lidar	
GEO 7393M	Global Climate Change	
GEO 7393N	Rivers and Society	
GEO 7393O	Exploring Spatial Databases	
GEO 7415	Geographic Applications of Remote Sensing	
GEO 7417	Geographic Information Systems	
GEO 7418	Technical Foundations and Methods in Geographic Information Science	
GEO 7430	Field Methods	
GEO 7447	Spatial Graphics in Geographic Education	
Thesis		
GEO 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
GEO 5199B	Thesis	
GEO 5299B	Thesis	
GEO 5399B	Thesis	
GEO 5599B	Thesis	
GEO 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with

the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Geography: GEO

Courses Offered

Geography (GEO)

GEO 5190. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for a total of six semester hours of credit. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5290. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for total of six semester hours of credit. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5300. Applied Research Design and Techniques.
Students will be introduced to appropriate research methods for applied geographers. Emphasis will be placed on the scientific method, productive library research, data collection and analysis, fieldwork, effective writing, and the nature of graphic representation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5301. Multivariate Quantitative Methods.
The use of multivariate descriptive and inferential statistics as applied to geographic data and problems, beginning with the general linear model and including topics such as multiple regression, principal components analysis, discriminant analysis, and clustering algorithms. Prerequisite: GEO 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5304. Qualitative Research Methods.
This course introduces the qualitative research paradigm, including research design, methods of data collection, and inductive analysis. Standards of scientific research that call for a deeper evaluation of complex social relationships are emphasized. The focus and application will be oriented towards human geography and nature-society relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5308. Regional Field Studies.
Study of geographic phenomena during field excursions to a particular site or region. Students will study the physical and/or cultural environments through off-campus field experience. Students will research, analyze, and report on major regional geographic features. Repeatable once for additional credit with a different site or region.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5309. Geographical Analysis.
A survey of typical spatial problems of interest to geographers, with emphasis on current research and application being undertaken by the faculty in the Department of Geography. Topics include environmental geography, geographic education, land use and regional development, and cartographic representation and geographic information theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5312. Managing Urbanization.
Survey methods and procedures related to managing and preparing for urban growth. Selected topics for examination include transportation planning, housing, historic preservation, and environmental design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5313. Environmental Management.
An analysis of the major causes of environmental deterioration together with the basic strategies of dealing with these problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5314. Geographic Elements of Environmental Law.
A survey of environmental laws related to land, air, and water pollution. The nature of environmental problems will be studied as they relate to urbanization, industrialization, land development, noise, radiation and solid waste management, and the laws and guidelines that have been passed to alleviate such problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5315. Advanced Regional Studies.
Course focus is the region. Case studies will be selected from political and functional regions. Course content will include such information as demographics, economy, physical and social environments, transportation, and foreign trade. May be repeated for credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5316. Applied Physical Geography.
This course is a survey of methods and techniques used in the collection, analysis, and evaluation of information relating to problems within the physical environment. Emphasis will be on problems characteristic of particular geographic locations or specific environmental settings. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5317. Seminar in Applied Human Geography.
A focus on the methods and techniques used in the collection, analysis, and evaluation of information relating to problems within the human geographical environment. Emphasis will be on problems pertaining to particular geographic locations or special environmental settings. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5318. Environment Problems of the U.S.-Mexico Border.
This course serves as an in-depth introduction to the physical, social, and environmental landscapes of the region of the U.S.-Mexico Border. The course applies an interdisciplinary perspective to geographic understanding of the environmental and health-related issues experienced by residents of the borderlands. Special attention is given to management and planning solutions to the region's problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5319. Seminar in Nature and Heritage Tourism.
This seminar focuses on the special geographic issues of nature and heritage tourism. Particular emphasis is placed on sites and activities, costs and benefits, commoditization and authenticity, resource protection, and substantive learning content of nature and heritage tourism activities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5322. Interpretive Environmental Geography.
Students learn to use geographic theories and concepts to provide holistic and thematic interpretation of environmental information, as specified by interpretive principles. Students also learn advanced use of traditional and digital presentation techniques and research methods, which include audience assessment and program evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5323. Location Analysis.
Factors of importance in the decision-making process of locating both public and private sector facilities. Attention will be paid to the location of manufacturing activities, commercial enterprises, and a variety of social service facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5326. Parks and Protected Places.
This course serves as an in-depth introduction to the philosophy, establishment, and operation of public parks, wildlife refuges, protected areas, non-governmental preserves and historic sites. Students will be introduced to the scientific and policy rationale for the creation of such areas as well as methods of classification and acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5329. Historical Geography of the Environment.
This course will introduce students to ideas, concepts, and literature in historical geography of the environment. It will explore methods used to document past environments and examine environmental changes, and it will analyze the distinctions between historical geography and related fields of study.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5330. Geography of Hazards.
This course focuses on understanding and advancing scholarship in hazards research – the threats to life, health, and welfare caused by natural, technological, and/or social processes, and disasters. Special emphasis is placed on understanding the complexities of the assessment and management of risks, hazards, and disasters at multiple geographic scales.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5332. Environmental Geography of the Coastal Zone.
Investigation of the physical geographic factors associated with the coastal zone and the role of human activities in problems and opportunities characteristic of this environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5334. Applied Water Resources.
Application of techniques employed in water management including flood hazards, water supply assessment, and water management strategies. Students will apply principles to specific watersheds and water problems including the analysis of various physical, land use, and legal parameters.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5335. Directed Research.
A course designed to allow the student to pursue a topic of applied geographic research under the direct supervision of a professor. Generally, the topic will be something that is not customarily dealt with in an organized class. Topics should be selected that involve library research and field investigation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5336. Transportation Systems.
This course introduces key concepts and methods of transportation geography and transportation planning. Topics include, among others, the spatial structure of transportation systems, transportation economics, and logistics. Various methods, techniques, and technologies for transportation analysis, particularly Geographic Information Systems (GIS), will be explored and applied as part of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5339. The Geography of Land Management.
This course explores U.S. land management philosophies, techniques, and development approaches. Major topics include land ethics/philosophies, U.S. traditions in cadastral geography, urban sprawl and green development, land conservation techniques, the role of local/state/federal regulations in land management, and the human environmental impacts of land development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5340. Active Learning in Geography.
The course focuses on instructional strategies that will allow teachers to promote active learning in geography. Emphasis will be on how active learning can help students reach geography content and skills standards.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5341. Contemporary Issues in Geographic Education.
This course examines current approaches to teaching geography in American education. Specific attention will be given to new classroom materials, curriculum reform efforts, and research developments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5342. Seminar: Theory and Methods of Geographic Education.
A critical analysis of previous and current literature concerning problems in pedagogy, philosophy, teaming theory, research methods, teaching methodologies, and techniques of geographic education. A research paper will be required of each student on a topic related to the course content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5343. Technology in Geographic Education.
The course focuses on the applications and implications of technology in geographic education, particularly its role as an instructional tool to promote inquiry-based learning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5344. Seminar in Geographic Curriculum.
A survey and discussion of major curricula in geographic education. Geography will be viewed as a school subject that is part of the social studies, as an element of interdisciplinary studies, and as a stand-alone subject.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5349. Population Geography.
An in-depth study of the spatial distribution and movement of human populations. Course will emphasize current issues and analytical techniques. Topics will include the impact of population growth, spatial diffusion processes, migration trends and theories, explanation of regional demographic differences, and techniques such as population projections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5350. Practicum in Teaching Geography.
This course introduces key concepts in teaching geography and provides regular training and planned periodic evaluations of instructional responsibilities. Course topics include instructional and assessment strategies in geography and classroom management. This course is required for first-year instructional assistants in the Geography Department. Students do not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

GEO 5351. Regional Waste Management.
The principles of effective solid waste planning and management will be examined as they relate to such activities as waste generation, storage and collection, transfer and transportation, processing and volume reduction, resource conservation and recovery, the disposal of wastes, and the handling of special wastes, particularly those of a toxic and hazardous nature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5352. Air Quality Management.
A geographic assessment of air quality management in the United States. Spatial distribution of the types, sources, and effects of air pollutants. Meteorology and physics of air pollution dispersion. Legislative and regulatory approaches to pollution management. National, state, regional, and local policy development procedures. Geographic methods for air pollution management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5353. Emergency Management.
This course provides an overview of the most important aspects of emergency management at all geographic scales, with emphasis on local, regional, and federal levels. Best practices and proper methodologies are emphasized as well as ways that students can develop the skills and capabilities for a career in this field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5360. Seminar in Planning Problems.
A critical and in-depth examination of several problem areas currently facing the planner.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5370. Seminar in Applied Physical Geography.
Critical analysis of theories, models, and techniques of physical geographic research with the focus on application to real-world problems. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5380. Internship.
Application of techniques of applied geography in an actual on-thejob setting. Internships will be arranged and supervised by the Internship Director. May be repeated once for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5390. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for a total of six semester hours of credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5391. Foundation Studies in Geography.
Students develop knowledge and skills required for success in graduate-level coursework in Geography. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

GEO 5393B. Biogeography in Mountain Environments.
This course examines how plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms and geological factors affect spatial distribution of animals and plants; all within the environmental limitation and conditions of mountains. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393C. Exploring Spatial Databases.
This course covers principles of spatial ontologies and spatial semantics to facilitate appropriate database conceptualization, design and implementation. Course assignments and projects will provide in-depth experience with database query languages. Many DBMSs will be reviewed, but practical work will be completed with RDBMSs. Prerequisite: GEO 5418 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393D. Water Resource Planning.
This seminar presents case-studies related to water quality protection and mitigation and to the planning of water supply at the state and regional level from a policy practitioner's perspective. The objective of the course is to identify the components of the planning process and its outcomes, including water-use conservation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393E. Geomorphology in the Anthropocene.
This course will examine the ways in which humans interact with and affect geomorphological processes and landforms, and how humans directly act as geomorphological agents. The level at which human activities have transformed the surface of the Earth will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393F. Spatial Thinking in Education.
This course introduces the concept of spatial thinking and discusses how spatial thinking may be taught in the context of K-16 education. Students will examine various instructional strategies to facilitate spatial thinking in the classroom and design grade-level appropriate learning experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393G. Jobs, Careers, and Professional Development in Geography.
This course introduces graduate students to research-based strategies for career planning and professional development in geography. Career opportunities for geographers in business, government, nonprofit, and academic organizations are examined. The course also analyzes professional identities, applications of geography in society, professional ethics, lifelong learning, work-life balance, and professional networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393K. Advanced Web Cartography and Data Visualization.
This course provides advanced training in the design and development of interactive, web-based data visualization systems with emphasis on the modern cartographic process and the spatial applications of interactive data visualization principles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5395. Problems in Applied Geography.
Designed to consider a selected topic relating to applied geography. Emphasis on the practical application of geographic tools, with individual or group participation in a specific project. Course topics may vary depending on student and faculty interests and may apply to any of the three graduate tracks: physical-environmental, land area development and management, or cartography. Repeatable for up to six hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in GEO 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5408. Web Mapping.
This course introduces students to modern interactive and dynamic mapping and GIS techniques that allow internet-based cartographic representations of temporal and non-temporal geospatial objects and phenomena. Prerequisite: GEO 3411 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5415. Geographic Applications of Remote Sensing.
Students will focus on Geographic applications of the principles and practices of digital image processing, classification, and modeling using satellite images.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5417. Advanced Cartographic Design.
This advanced course in cartography focuses on thematic map design. The objective is to produce a series of well-designed, professional grade maps (or an atlas) that students can use to build a cartographic portfolio. Theoretical concepts and principles will be introduced using practical examples and written assignments. Prerequisite: GEO 3411 with a grade of "D" or better or instructor approval.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5418. Geographic Information Systems I.
Course is concerned with the analysis and interpretation of maps stored in digital form. Students are introduced to concepts and practices involving computerized cartographic and geographic data input, storage and retrieval, data manipulation and analysis, graphic and tabular report generation, and cartographic modeling.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5419. Geographic Information Systems II.
This course aims to develop more advanced GIS concepts and application issues, further spatial data manipulation and analysis skills, and provide hands-on experience with GIS hardware and software programs. The emphasis will be on practical application of skills to real world issues. Prerequisite: GEO 5418 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5424. GPS and GIS.
Students will learn to plan and conduct fieldwork using Global Positioning System (GPS) to differentially correct GPS data, and to build Geographic Information Systems (GIS) applications using GPS technology. The course is project-based and involves working with external clients(s). Prerequisites: GEO 2426 with a grade of "D" or better or GEO 5418 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5430. Field Methods.
Course will emphasize common field techniques necessary in the construction of accurate maps. Various kinds of data collection techniques will be presented that will facilitate geographic research. Prerequisite: GEO 3301 with a grade of "D" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5680. Internship.
Application of techniques of applied geography in an actual on-thejob setting. Internships will be arranged and supervised by the Internship Director.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Minor in Geography

The graduate minor in Geography requires 9 semester credit hours of advisor-approved Geography courses.

Department of History

Taylor-Murphy Building Room 202
Telephone: 512-245-2142 Fax: 512-245-3043
http://www.txstate.edu/history

The Department of History at Texas State University is strongly committed to excellence in scholarship and teaching. We strive to facilitate our students' intellectual and professional growth by: (1) sharing with them knowledge about the past that helps explain the defining aspects of contemporary life; (2) introducing them to patterns of global diversity, past and present, as well as the historical foundation of inequity, stereotyping, and mythologizing; (3) challenging them to think critically in order to formulate educated, evidence-based opinions about the past; and (4) helping them develop and refine research, analytical, communication, and social skills. Our faculty's research, shared with the scholarly community and the public through publications and presentations, aims to broaden and disseminate our understanding of the past and increase general interest in history.

Successful graduates enter doctoral programs or find jobs in the public and private sector. Our students have gone on for further study to universities across the country, from the University of California at Berkeley to the University of Michigan to the University of Massachusetts at Amherst, to the University of Pennsylvania. A number have secured academic appointments. Other students have utilized their training in positions at Dell, General Motors, and many other major corporations. Public history students have earned appointments with national and regional governmental agencies while others have used their teaching and research skills in secondary schools.

Master of Arts (M.A.)

- Major in History (History Education Concentration) (p. 2097)
- Major in History (Non-thesis Option) (p. 2106)

- Major in History (Public History Concentration Non-thesis Option) (p. 2115)
- Major in History (Public History Concentration Thesis Option) (p. 2124)
- Major in History (Thesis Option) (p. 2135)

Minor

- History (p. 2145)

Certificate

- Public History Studies (p. 2145)

Master of Arts (M.A.) Major in History (History Education Concentration)

Major Program

The graduate program in History is designed to prepare students for careers in professional history (college teaching, research, or writing), public history, historic tourism, preservation, museums, consulting, public education (secondary teaching), and to provide a general liberal arts education for students desiring careers in business, journalism, law, and government service.

Individuals interested in a more detailed description of the graduate program in history should request a copy of the Graduate Student Handbook from the Department of History. Copies of the Graduate Student Handbook and other information may be obtained from the department's website at http://www.txstate.edu/history.

Financial Assistance

A limited number of assistantships and scholarships are available to qualified graduate students. Prospective students interested in applying for an assistantship should contact the graduate director in the Department of History. The Graduate College can provide further information about scholarships.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.25 GPA in a minimum of 24 hours of undergraduate history course work
- background course work (preferred): six hours of undergraduate foreign language
- official GRE (general test only) with competitive scores in the verbal reasoning section
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- brief statement of any foreign language competencies including a description of reading and speaking skills in terms of basic, intermediate, proficient, and fluent abilities.
- resume/CV
- statement of purpose (400-500 words with name in header) describing the ways in which the student's undergraduate experience in history courses directed his/her career toward graduate-level work in history or how that experience shaped the student's expectations of work in history at the graduate level
- two letters of recommendation with at least one from a history professor (if the student majored in history)

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Arts (M.A.) major in History concentration in History Education requires 36 semester credit hours, including a minor. Students must earn a grade of "B" or better in all history courses.

Course Requirements

Code	Title	Hours
Required Courses		
HIST 5361	Historiography and Methods	3
HIST 5398	General Research Seminar	3
Electives		
Choose 15 hours from the following:		15
HIST 5307	Medieval European History: Contemporary Trends in Medieval Historiography	
HIST 5308E	Latin Literature and Roman History and Society	
HIST 5308F	Roman History and Civilization: The "Golden Age" of Rome	
HIST 5308G	Warfare in the Ancient World	
HIST 5309A	Interpreting the Eighteenth Century	

HIST 5309D	Early Modern Spain
HIST 5310	Western European History Since 1815
HIST 5313	Early American History
HIST 5314	Ethnohistory
HIST 5315A	American Sexualities
HIST 5315B	Queer History: GLBT Histories in the United States
HIST 5316A	Women's Rights in Comparative Perspective
HIST 5316B	Women and Empire
HIST 5318A	Eighteenth Century England
HIST 5318C	The Age of the Stuarts
HIST 5318D	European Imperialism
HIST 5319	The Age of the Tudors
HIST 5323A	Society and Culture in Brazil
HIST 5323B	History of Race and Slavery in Brazil
HIST 5324B	Race, Class, and Nation in Modern Latin America
HIST 5324C	Slavery and Emancipation in the Americas
HIST 5324D	Writing the History of Latin America: The Colonial Era
HIST 5324E	Modern Latin American Revolutions
HIST 5325A	History of Mexico to 1848
HIST 5325C	Revolutionary Mexico
HIST 5325D	Mexico Since the Revolution
HIST 5335	Twentieth-Century Russia
HIST 5336	East European History
HIST 5341A	Early U.S. Diplomacy - Revolution to Reconstruction
HIST 5341B	Caribbean Transnationalism and Diplomacy
HIST 5341C	Modern U.S. Diplomacy
HIST 5343	The Progressive Era
HIST 5344	History and Memory
HIST 5345D	Oral History: Theory & Practice
HIST 5345M	History of Utopian Communities
HIST 5345N	Transformation of the South
HIST 5345O	Immigration and US History
HIST 5345Q	Gender and Citizenship
HIST 5345R	History of Country Music
HIST 5345S	Theories and Methods in Popular Music History/ Culture Studies
HIST 5345T	Biography and American History
HIST 5346	African American History
HIST 5347	Texas History
HIST 5348	History of Texas Music
HIST 5350	The Frontier in American History
HIST 5351B	Cold War America
HIST 5351C	Race, Gender, and Ethnicity in American Labor History
HIST 5351D	Politics & Society of Postwar America, 1945-Present
HIST 5351F	US Women's History
HIST 5351H	US Latino/a History
HIST 5353	Greater Southwestern History
HIST 5358	Sectionalism & Slavery in the United States
HIST 5362	Military History
HIST 5363	Antebellum American Society & Culture
HIST 5366B	The Old South, 1830-1860
HIST 5367	US Era of Civil War and Reconstruction
HIST 5369	Music and Social Movements
HIST 5381	Chinese Communism
HIST 5382	China and the Modern World
HIST 5385	Topics in the History of the Modern Middle East
HIST 5390	Problems in Historical Research
HIST 5395B	Modern Middle Eastern History
HIST 5395D	Interpretations of World History
HIST 5395E	Mahatma Gandhi in World History
HIST 5395H	European Colonialism
HIST 5395I	Global Cold War
Minor	
Choose a 15-hour advisor-approved minor	15
Total Hours	36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in History: HIST

Courses Offered

History (HIST)

HIST 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5300. Foundation Studies in History.
Required as a condition of admission to the M.A. History program for otherwise qualified candidates lacking sufficient History background hours. In this course, students demonstrate necessary competency in History skills and methods to succeed in the program. This course does not earn graduate degree credit. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

HIST 5301. Instructional Methods Practicum for Graduate Assistants.
Required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

HIST 5307. Medieval European History: Contemporary Trends in Medieval Historiography.
This course introduces graduate students to the craft of the medieval historian, with emphasis on major contemporary shifts in American historiography of the European Middle Ages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5308E. Latin Literature and Roman History and Society.
A seminar based on the study of the most important Latin literary works from the 2nd century B.C. to the 2nd century A.D. No knowledge of Latin is necessary to take this seminar.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5308F. Roman History and Civilization: The "Golden Age" of Rome.
The history of Roman civilization (political, diplomatic, economic, social, cultural, etc.) from Augustus to Marcus Aurelius (27 B.C. – A.D. 180). The main focus will be to explain what made possible this exceptional period and why it lasted so long.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5308G. Warfare in the Ancient World.
A seminar on the nature, development, and historical significance of war in the Western World, from the Trojan War (end of the 13th century BC) to the fall of the Western Roman Empire and the establishment of Germanic kingdoms (5th century AD).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5309A. Interpreting the Eighteenth Century.
A seminar designed to analyze the methods that historians have used to interpret the meaning of various phenomena such as the Enlightenment, the nature of society, and the origins of the French Revolution.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5309D. Early Modern Spain.
A seminar based on selected topics in political, social, intellectual, and economic history of Spain from 1450 to 1815.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5310. Western European History Since 1815.
A seminar based on selected topics in the history of Western Europe from 1815 to the present. May be repeated with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIST 5313. Early American History.
A seminar based on selected topics in the Colonial Revolutionary and Early National periods of the United States history. May be repeated with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5314. Ethnohistory.
This seminar seeks to familiarize students with current questions, methods, theories, and debates in ethnohistory, a multidisciplinary approach to the history of indigenous peoples. Materials studied will include both classic and recent ethnohistorical works.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5315A. American Sexualities.
This course addresses the history of sexualities in the United States from the colonial era to present to shed light on the ways that sexuality has shaped social life, establish conventions, and created spaces to defy norms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5315B. Queer History: GLBT Histories in the United States.
This course examines the histories of different sexual minorities from the colonial era to present, though the majority of the course focuses on the twentieth century, to explore the rise of the modern lesbian, gay, bisexual, and transgender identities, politics, and culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5316A. Women's Rights in Comparative Perspective.
This course considers national, transnational, and global development of campaigns for women's rights since the nineteenth century. The course examines how women agitated for their rights in different cultural and historical moments. Students will gain familiarity with comparative feminisms, the gendered nature of liberal movements, and women's activism in national and international arenas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5316B. Women and Empire.
From 1492 until World War II the globe was dominated by imperialism. This course considers the ways that women, in the metropoles of Europe and throughout colonial settings, found their lives shaped by empire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5318A. Eighteenth Century England.
A seminar based on selected topics in political, social, intellectual, and economic history of England from 1688 to 1815. May be repeated with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5318C. The Age of the Stuarts.
A study of selected topics in English history between 1603 and 1714.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5318D. European Imperialism.
Europe's penchant for building empires helped to greatly enhance their influence (economic, political, and cultural) from the fifteenth to the twentieth century. The course will review the major European empires and discuss the extent of their influence during this 500 year span.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5319. The Age of the Tudors.
This readings-based course emphasizes differing interpretations of selected topics in English history from circa 1485 to 1603. Constitutional, political, governmental, social, religious, and cultural aspects of the era are covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5323A. Society and Culture in Brazil.
This seminar explores the social and cultural history of Brazil through its various ages, the "Age of Sugar", the "Age of Coffee", the "Age of Pedro II", the "Belle Epoque", and the worlds of the sugar and coffee barons. It explores the character of these ages marked by the grand plantation houses, devotion to European models, and the conflict with a slave society, covering the years from the colonial period to the turn of the twentieth century. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5323B. History of Race and Slavery in Brazil.
This course assesses the literature on race relations and slavery in Brazil. It situates the topic within a comparative, Atlantic framework and provides a critical understanding of the chief issues and debates in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324B. Race, Class, and Nation in Modern Latin America.
A seminar that examines the relationship between race, class, and nation building in Latin America, beginning with independence in the nineteenth century and continuing to contemporary times. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5324C. Slavery and Emancipation in the Americas.
This course examines slavery in the Americas in its full social, political, and economic context. Students will enlarge their understanding of slavery by using an international, transatlantic framework for comparison. The course strengthens analytical skills through extensive discussion as well as significant writing and research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324D. Writing the History of Latin America: The Colonial Era.
This readings seminar provides a critical assessment of the main themes and debates of colonial Latin American historiography. The course discusses the different paradigms under which historians have approached the cultures and societies of the region under Spanish and Portuguese rule, emphasizing on the latest trends and developments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324E. Modern Latin American Revolutions.
The course is a seminar that examines and compares the causes, consequences and results of Latin America's twentieth century revolutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5325A. History of Mexico to 1848.
A topic course studying the history of Mexico from pre-historic times to the Treaty of Guadalupe Hidalgo. The course encompasses the development of Indian societies from the Yucatan to the American Southwest preceding the Spanish conquest, the social, economic, and political development of Spanish colonial Mexico, the War in Independence, and the formation of the new nation through the war with the United States. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5325C. Revolutionary Mexico.
A graduate seminar that explores the interrelated economic, social, political, and cultural conditions and forces that shaped revolutionary Mexico. Ideological currents that impacted the period will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5325D. Mexico Since the Revolution.
This class is a Graduate Seminar covering the History of Post-Revolutionary Mexico. This course will explore the history of Mexico since the Revolution, including the social, cultural, and economic legacies of the Revolution, as well as the process of State building, one party rule, globalization, and the transition to democracy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5335. Twentieth-Century Russia.
A seminar based on selected topics in recent Russian history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5336. East European History.
A seminar based on selected topics in recent East European history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5341A. Early U.S. Diplomacy - Revolution to Reconstruction.
This course explores the philosophical, social historical, and legal aspects of the diplomatic relations of the United States, and development of the leading principles of foreign policy in the early American republic. This course assesses the literature on diplomacy and situates the topic within a comparative, Atlantic world framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5341B. Caribbean Transnationalism and Diplomacy.
This seminar focuses on the international relations of the twentieth-century Caribbean, with emphasis on interactions between Cuba, the Dominican Republic, Haiti, Jamaica, the United States, and Venezuela. Students will analyze the ways that international action and response in these countries have affected policy, government, and international social movements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5341C. Modern U.S. Diplomacy.
This course explores the philosophical, social historical, and legal aspects of the diplomatic relations of the United States, and the development of leading principles of foreign policy in the twentieth and twenty-first centuries. This course assesses the literature on diplomacy and situates the topic within a comparative, transnational framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5343. The Progressive Era.
This course is a seminar on the rise of industrial capitalism and corporate power and the public response to the related restructuring of the social and economic order between 1890 and 1920, with particular emphasis on the strengths and weaknesses of progressivism as a democratic movement for reform.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5344. History and Memory.
This course examines the way that groups shape the the collective memory of past events, how memory shifts over time, and the way it can be influenced by present influences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5345D. Oral History: Theory & Practice.
A seminar based upon developing a theoretical and practical understanding of the techniques of oral historical research and document preservation and presentation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345M. History of Utopian Communities.
This seminar examines utopian experiments in American History. Starting with John Winthrop's 1630 "City upon a Hill," the course explores both religious and secular communal ventures through the eighteenth and nineteenth centuries. The course concludes with an examination of counter-cultural, twentieth-century communes, intentional communities, and cultic separatists.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345N. Transformation of the South.
This course is a readings research seminar on African-American culture and life in the twentieth century South from 1890-1971. The course provides the students with a thorough historical examination through biographies and community studies of specific issues and events that ended legal segregation in the South.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345O. Immigration and US History.
This course focuses on North American immigration history from colonial times to the present and looks at how both immigrants and native-born Americans struggled to reconcile conflicting notions of identity and national loyalty.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345P. History of Mexican American Music in the Southwest.
This class will introduce students to the musical history of Islamic Spain, Spanish Colonial Mexico, and Mexico and investigate the influences of these traditions on the development of Mexican-American music in the American Southwest.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345Q. Gender and Citizenship.
This course is designed to introduce students to the literature in United States history that addresses issues of gender and how they relate to US citizenship from the colonial period to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345R. History of Country Music.
This seminar traces the various ethnic, social, cultural, political, economic, and demographic forces in American society that have helped shape country music. Students will also explore how this uniquely American cultural idiom mirrors the historical evolution of the United States.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345S. Theories and Methods in Popular Music History/Culture Studies.
This is a course in the theories and methods of cultural studies and popular music history for graduate students. It is intended to review the history of debates and methodologies in the field to prepare students to do original work that fits into the larger conversations in popular music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345T. Biography and American History.
In this class students will delve into the practice of biography and the ways in which biographers convey American history and culture through a life story.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5346. African American History.
This course is an intensive readings and research seminar in African American History. Through the uses of lectures, biographies, institutional histories and community studies, students will be introduced to the different interpretive themes and methodologies that have created the myriad of historical interpretations and reinterpretations of African American History. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

HIST 5347. Texas History.
A seminar based on selected topics in the history of Texas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5348. History of Texas Music.
This course examines the evolution of music in Texas and the American Southwest from pre-Colombian times to the present, with an emphasis on how music reflects the ethnically diverse history and culture of the region.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5350. The Frontier in American History.
A seminar based on selected topics in the history of the frontier in American development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5351B. Cold War America.
This course examines the Cold War years 1945 to 1960, concentrating on the domestic scene. The class will discuss the major issues of domestic politics, society, and culture, through the use of both primary and secondary sources. They will also examine the historiography of the period.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351C. Race, Gender, and Ethnicity in American Labor History.
This graduate seminar explores the impact of race, gender, and ethnicity upon American Labor History. Readings integrate race, gender, and ethnicity as categories of analysis into the study of class formation, experiences, and consciousness within the American labor force. The focus will be on unorganized as well as organized workers in the context of their social, cultural, political, and workplace environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5351D. Politics & Society of Postwar America, 1945-Present.
This course will explore the interaction of political, economic, and social forces in the years following the Second World War. Emphasis will be placed on analyzing the interdependent relationship between political structures, social movements, and economic circumstances.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351E. Foundations of the U.S. Conservation Movement.
The course will provide an overview of the conservation movement from the writings of Henry David Thoreau to publication of Rachel Carson's Silent Spring. Emphasis will be on social and cultural influences, with particular attention to government programs, naturalist literature, activism, movement leaders, and landmarks of environmental debate.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351F. US Women's History.
This course offers graduate students an introduction in the topics, themes, and issues that animate the history of women in the US.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5351H. US Latino/a History.
This course explores the histories, cultures, and politics that shape Latino/a experiences in the United States and examines the way Latino communities helped shape the making of the nation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5353. Greater Southwestern History.
A seminar based on selected topics in the history of the Greater American Southwest.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5357. The Gilded Age.
A seminar based on selected topics in late nineteenth-century American history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5358. Sectionalism & Slavery in the United States.
This course assesses the literature on the causes and consequences of the sectional conflict between the American North and the South before the Civil War, with particular focus on works examining the slavery issue and the way it exacerbated American sectionalism, leading to the fracturing of the American nation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5361. Historiography and Methods.
A general introduction to key concepts, approaches, and challenges involved in reading, researching, and writing history at the professional level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5362. Military History.
This seminar is based on selected topics in military history. May be repeated with different emphases up to nine hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5363. Antebellum American Society & Culture.
This seminar explores the cultural dynamics, social relations, and political and economic structures that shaped the lives of ordinary Americans in the three decades before the Civil War.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5366B. The Old South, 1830-1860.
Readings will enable students to understand the Old South's economic, political, and cultural development and the development of differing interpretations and schools of thought about Old South history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5367. US Era of Civil War and Reconstruction.
A seminar that examines the history of the causes, course, and consequences of the American Civil War and the efforts to reconstruct the American Nation in its aftermath.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5369. Music and Social Movements.
This course examines the historical role music has played in a variety of social movements related to race, gender, ethnicity, religion, politics, economics, education, labor, civil rights, and other issues in U.S. history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5371. The Practice of Public History.
A seminar addressing the definition, evolution, and philosophy of public history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5372. The Practice of Museum Studies and Material Culture.
A seminar addressing the history, organization, and functions of history museums.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5373. The Practice of Historic Preservation.
A seminar addressing architectural history and preservation theory and practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5374. Public History Internship.
Application of skills in public history in an on-the job setting. Internships will be selected by the student and instructor, and will be supervised by the instructor. May be repeated once for additional credit.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5375A. Documentary Film.
The use of film & video in public programming; research & produce documents.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375B. Archival Management.
A seminar based on the history, theory, and practice or archival management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375C. Cultural Resource Management.
This seminar addresses the management of cultural resources such as historic buildings, historic sites, and other tangible remains of our heritage. It explores how cultural resources are preserved and managed under federal and state law, and the nature of the regulatory practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375D. Material Culture in America.
This course examines the interactions between people and things in American society. The ways in which Americans have created, used, altered, and thought about material objects help us to understand history. Readings and research will focus on the values and attitudes embodied in the production, use, and preservation of objects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375E. Management & Administration in Historical Organizations.
This course provides an introduction to the non-profit based management, leadership, and administration issues and practices for historical organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375F. Education Programs in Historical/Cultural Institutions.
This course will study the role of education programs as primary to the missions of historical and cultural institutions and will explore how institutions create and evaluate formal and informal education programs and materials for a variety of audiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375H. Historic Preservation in East Asia.
Participants will explore various approaches to the conservation of the built environment in a range of East Asian societies through in-depth readings and participant-directed projects concerning Japan, Korea, Hong Kong, Singapore, Vietnam, and China. We will compare these approaches to typical western patterns of preservation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375I. Heritage in a Global Context.
Heritage management is the interdisciplinary approach to the preservation, protection, and public use of the historical record. This course examines definitions and approaches within a global context. Theory and practice will be analyzed through case studies and real world examples. Current issues, sustainability and maritime issues/practices will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375J. American Architectural History.
This course will analyze the historical development of American architecture, and examine architecture as evidence of America's cultural, social, economic, and technological evolution from 1607 to the present. Focus will be placed on the role of historic American architecture in the practice of public history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375K. Evaluating HIstoric Sites.
Every year millions of tourists flock to historic sites desiring to commune with "real" history, to "feel" the past. This course will introduce students to methods that scholars use to examine critically the interpretation of history at these sites without discounting the emotional connection to place that many visitors experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375L. Controversy and History.
This seminar explores how controversy, power relations, and politics are embedded in the practice of public history. It is designed to help the future practitioner navigate the complex political landscape of public history. This course is informed by the professor's experience as a consultant and federal historian.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375M. Writing for Public History.
This will be a course intensively focused on research and writing specifically for public history audiences through a variety of venues: journal articles, magazine/newspaper articles, brochures, promotional literature, personal essays, historical markers, reviews, websites, cultural resource management "gray literature," and professional papers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375N. Digital History.
Students will study the history of print and digital media to better understand the practice of digital history. They will be introduced to a variety of digital approaches to the study of history, and they will produce and contribute to a variety of digital projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375O. Records Management & Institutional Archives.
This course will introduce students to the principles and theories in records management and institutional archives. It will provide practical experience creating a records retentions schedule, researching retention requirements and best practices, appraising records with enduring value, and establishing archival series to accommodate ongoing acquisition of institutional records.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375P. The Family and Child in History and Heritage.
This course examines the historical development of the family and childhood using academic family history methods and public approaches to family heritage. It examines differing experiences of ancestors and concepts of family and childhood over time by race, class, and gender, reflecting shifts in culture, economy, and power relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5376. Local and Community History.
A seminar applying historical methods to the study of U.S. communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5377. Public History Project.
A team project focusing on one or more aspects of public history-museum exhibit, historic site interpretation, historic resources survey, etc. Repeatable with a different emphasis.
3 Credit Hours. 1 Lecture Contact Hour. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5379A. Public History Final Master's Project.
This course will be the initial development of an individualized, advanced student project in cooperation with a client or host institution, focused on any one or a combination of the public history areas of historic preservation, archives, oral history, museums, local and community history or cultural resource management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5379B. Public History Final Master's Project.
This course, to be taken during the last year of the Public History program, is the continuation of an individualized, advanced student project focused on any one or a combination of the public history areas of historic preservation, archives, oral history, museums, local and community history or cultural resource management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5381. Chinese Communism.
The Chinese Communist movement from 1919 to the present. Will focus on (1) urban and rural aspects of Chinese Communism; (2) the rise to power of the Chinese Communist Party on mainland China in 1949; and (3) the construction of the Party-State and Socialism in the People's Republic of China.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5382. China and the Modern World.
This course examines Chinese relations with the modern world from 1800 to the present, focusing on the external aggression and internal transformation between 1839 and 1945; the split into two Chinas in 1949; the mainland China/Taiwan developments, interactions between the two Chinese governments and among the world community since then.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5385. Topics in the History of the Modern Middle East.
A seminar based on selected topics from current histories of the Middle East during the 19th and 20th centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIST 5390. Problems in Historical Research.
This course is open to graduate students on an individual basis by arrangement with the department. May be repeated with the approval of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5395B. Modern Middle Eastern History.
A seminar based on selected topics in the modern history of the Muslim Middle East.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395D. Interpretations of World History.
A survey of world history that focuses on Western civilization as the catalyst of change in world history since the tenth century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395E. Mahatma Gandhi in World History.
In this course students explore how writers have narrated Gandhi's life and interpreted his historical role. Students will research aspects of Gandhi's life using primary sources. The focus of the course will be the study of material left out of histories on Gandhi and reasons for omitted material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395H. European Colonialism.
This seminar examines the variety of European imperial and colonial experiences around the world from ancient to modern times through selected primary sources and historical literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395I. Global Cold War.
This seminar will survey literature characteristic of the "new" Cold War historiography, and introduce students to primary sources available at Alkek required to write valuable original work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5398. General Research Seminar.
A seminar designed to enhance research and writing skills in history. May be repeated for credit as topic varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in History 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in History (Non-thesis Option)

Major Program

The graduate program in history is designed to prepare students for careers in professional history (college teaching, research, or writing), public history, historic tourism, preservation, museums, consulting, public education (secondary teaching), and to provide a general liberal arts education for students desiring careers in business, journalism, law, and government service.

Individuals interested in a more detailed description of the graduate program in history should request a copy of the Graduate Student Handbook from the Department of History. Copies of the Graduate Student Handbook and other information may be obtained from the department's website at http://www.txstate.edu/history.

Financial Assistance

A limited number of assistantships and scholarships are available to qualified graduate students. Prospective students interested in applying for an assistantship should contact the graduate director in the Department of History. The Graduate College can provide further information about scholarships.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.25 GPA in a minimum of 24 hours of undergraduate history course work
- background course work (preferred): six hours of undergraduate foreign language
- official GRE (general test only) with competitive scores in the verbal reasoning section
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- brief statement of any foreign language competencies including a description of reading and speaking skills in terms of basic, intermediate, proficient, and fluent abilities.
- resume/CV
- statement of purpose (400-500 words with name in header) describing the ways in which the student's undergraduate experience in history courses directed his/her career toward graduate-level work in history or how that experience shaped the student's expectations of work in history at the graduate level
- two letters of recommendation with at least one from a history professor (if the student majored in history)

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Arts (M.A.) degree with a major in History requires 36 semester credit hours. Students must earn a grade of "B" or better in all history courses.

Course Requirements

Code	Title	Hours
Required Courses		
HIST 5361	Historiography and Methods	3
HIST 5398	General Research Seminar	3
Electives		30
Choose 30 hours from the following:		
HIST 5307	Medieval European History: Contemporary Trends in Medieval Historiography	
HIST 5308E	Latin Literature and Roman History and Society	
HIST 5308F	Roman History and Civilization: The "Golden Age" of Rome	
HIST 5308G	Warfare in the Ancient World	

HIST 5309A	Interpreting the Eighteenth Century
HIST 5309D	Early Modern Spain
HIST 5310	Western European History Since 1815
HIST 5313	Early American History
HIST 5314	Ethnohistory
HIST 5315A	American Sexualities
HIST 5315B	Queer History: GLBT Histories in the United States
HIST 5316A	Women's Rights in Comparative Perspective
HIST 5316B	Women and Empire
HIST 5318A	Eighteenth Century England
HIST 5318C	The Age of the Stuarts
HIST 5318D	European Imperialism
HIST 5319	The Age of the Tudors
HIST 5323A	Society and Culture in Brazil
HIST 5323B	History of Race and Slavery in Brazil
HIST 5324B	Race, Class, and Nation in Modern Latin America
HIST 5324C	Slavery and Emancipation in the Americas
HIST 5324D	Writing the History of Latin America: The Colonial Era
HIST 5324E	Modern Latin American Revolutions
HIST 5325A	History of Mexico to 1848
HIST 5325C	Revolutionary Mexico
HIST 5325D	Mexico Since the Revolution
HIST 5335	Twentieth-Century Russia
HIST 5336	East European History
HIST 5341A	Early U.S. Diplomacy - Revolution to Reconstruction
HIST 5341B	Caribbean Transnationalism and Diplomacy
HIST 5341C	Modern U.S. Diplomacy
HIST 5343	The Progressive Era
HIST 5344	History and Memory
HIST 5345D	Oral History: Theory & Practice
HIST 5345M	History of Utopian Communities
HIST 5345N	Transformation of the South
HIST 5345O	Immigration and US History
HIST 5345Q	Gender and Citizenship
HIST 5345R	History of Country Music
HIST 5345S	Theories and Methods in Popular Music History/ Culture Studies
HIST 5345T	Biography and American History
HIST 5346	African American History
HIST 5347	Texas History
HIST 5348	History of Texas Music
HIST 5350	The Frontier in American History
HIST 5351B	Cold War America
HIST 5351C	Race, Gender, and Ethnicity in American Labor History
HIST 5351D	Politics & Society of Postwar America, 1945-Present
HIST 5351F	US Women's History
HIST 5351H	US Latino/a History
HIST 5353	Greater Southwestern History
HIST 5358	Sectionalism & Slavery in the United States
HIST 5362	Military History
HIST 5363	Antebellum American Society & Culture
HIST 5366B	The Old South, 1830-1860
HIST 5367	US Era of Civil War and Reconstruction
HIST 5369	Music and Social Movements
HIST 5381	Chinese Communism
HIST 5382	China and the Modern World
HIST 5385	Topics in the History of the Modern Middle East
HIST 5390	Problems in Historical Research
HIST 5395B	Modern Middle Eastern History
HIST 5395D	Interpretations of World History
HIST 5395E	Mahatma Gandhi in World History
HIST 5395H	European Colonialism
HIST 5395I	Global Cold War
May choose 6 hours of advisor-approved electives from outside the department	
Total Hours	36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in History: HIST

Courses Offered

History (HIST)

HIST 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5300. Foundation Studies in History.
Required as a condition of admission to the M.A. History program for otherwise qualified candidates lacking sufficient History background hours. In this course, students demonstrate necessary competency in History skills and methods to succeed in the program. This course does not earn graduate degree credit. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

HIST 5301. Instructional Methods Practicum for Graduate Assistants.
Required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

HIST 5307. Medieval European History: Contemporary Trends in Medieval Historiography.
This course introduces graduate students to the craft of the medieval historian, with emphasis on major contemporary shifts in American historiography of the European Middle Ages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5308E. Latin Literature and Roman History and Society.
A seminar based on the study of the most important Latin literary works from the 2nd century B.C. to the 2nd century A.D. No knowledge of Latin is necessary to take this seminar.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5308F. Roman History and Civilization: The "Golden Age" of Rome.
The history of Roman civilization (political, diplomatic, economic, social, cultural, etc.) from Augustus to Marcus Aurelius (27 B.C. – A.D. 180). The main focus will be to explain what made possible this exceptional period and why it lasted so long.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5308G. Warfare in the Ancient World.
A seminar on the nature, development, and historical significance of war in the Western World, from the Trojan War (end of the 13th century BC) to the fall of the Western Roman Empire and the establishment of Germanic kingdoms (5th century AD).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5309A. Interpreting the Eighteenth Century.
A seminar designed to analyze the methods that historians have used to interpret the meaning of various phenomena such as the Enlightenment, the nature of society, and the origins of the French Revolution.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5309D. Early Modern Spain.
A seminar based on selected topics in political, social, intellectual, and economic history of Spain from 1450 to 1815.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5310. Western European History Since 1815.
A seminar based on selected topics in the history of Western Europe from 1815 to the present. May be repeated with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIST 5313. Early American History.
A seminar based on selected topics in the Colonial Revolutionary and Early National periods of the United States history. May be repeated with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5314. Ethnohistory.
This seminar seeks to familiarize students with current questions, methods, theories, and debates in ethnohistory, a multidisciplinary approach to the history of indigenous peoples. Materials studied will include both classic and recent ethnohistorical works.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5315A. American Sexualities.
This course addresses the history of sexualities in the United States from the colonial era to present to shed light on the ways that sexuality has shaped social life, establish conventions, and created spaces to defy norms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5315B. Queer History: GLBT Histories in the United States.
This course examines the histories of different sexual minorities from the colonial era to present, though the majority of the course focuses on the twentieth century, to explore the rise of the modern lesbian, gay, bisexual, and transgender identities, politics, and culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5316A. Women's Rights in Comparative Perspective.
This course considers national, transnational, and global development of campaigns for women's rights since the nineteenth century. The course examines how women agitated for their rights in different cultural and historical moments. Students will gain familiarity with comparative feminisms, the gendered nature of liberal movements, and women's activism in national and international arenas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5316B. Women and Empire.
From 1492 until World War II the globe was dominated by imperialism. This course considers the ways that women, in the metropoles of Europe and throughout colonial settings, found their lives shaped by empire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5318A. Eighteenth Century England.
A seminar based on selected topics in political, social, intellectual, and economic history of England from 1688 to 1815. May be repeated with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5318C. The Age of the Stuarts.
A study of selected topics in English history between 1603 and 1714.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5318D. European Imperialism.
Europe's penchant for building empires helped to greatly enhance their influence (economic, political, and cultural) from the fifteenth to the twentieth century. The course will review the major European empires and discuss the extent of their influence during this 500 year span.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5319. The Age of the Tudors.
This readings-based course emphasizes differing interpretations of selected topics in English history from circa 1485 to 1603. Constitutional, political, governmental, social, religious, and cultural aspects of the era are covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5323A. Society and Culture in Brazil.
This seminar explores the social and cultural history of Brazil through its various ages, the "Age of Sugar", the "Age of Coffee", the "Age of Pedro II", the "Belle Epoque", and the worlds of the sugar and coffee barons. It explores the character of these ages marked by the grand plantation houses, devotion to European models, and the conflict with a slave society, covering the years from the colonial period to the turn of the twentieth century. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5323B. History of Race and Slavery in Brazil.
This course assesses the literature on race relations and slavery in Brazil. It situates the topic within a comparative, Atlantic framework and provides a critical understanding of the chief issues and debates in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324B. Race, Class, and Nation in Modern Latin America.
A seminar that examines the relationship between race, class, and nation building in Latin America, beginning with independence in the nineteenth century and continuing to contemporary times. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5324C. Slavery and Emancipation in the Americas.
This course examines slavery in the Americas in its full social, political, and economic context. Students will enlarge their understanding of slavery by using an international, transatlantic framework for comparison. The course strengthens analytical skills through extensive discussion as well as significant writing and research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324D. Writing the History of Latin America: The Colonial Era.
This readings seminar provides a critical assessment of the main themes and debates of colonial Latin American historiography. The course discusses the different paradigms under which historians have approached the cultures and societies of the region under Spanish and Portuguese rule, emphasizing on the latest trends and developments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324E. Modern Latin American Revolutions.
The course is a seminar that examines and compares the causes, consequences and results of Latin America's twentieth century revolutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5325A. History of Mexico to 1848.
A topic course studying the history of Mexico from pre-historic times to the Treaty of Guadalupe Hidalgo. The course encompasses the development of Indian societies from the Yucatan to the American Southwest preceding the Spanish conquest, the social, economic, and political development of Spanish colonial Mexico, the War in Independence, and the formation of the new nation through the war with the United States. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5325C. Revolutionary Mexico.
A graduate seminar that explores the interrelated economic, social, political, and cultural conditions and forces that shaped revolutionary Mexico. Ideological currents that impacted the period will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5325D. Mexico Since the Revolution.
This class is a Graduate Seminar covering the History of Post-Revolutionary Mexico. This course will explore the history of Mexico since the Revolution, including the social, cultural, and economic legacies of the Revolution, as well as the process of State building, one party rule, globalization, and the transition to democracy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5335. Twentieth-Century Russia.
A seminar based on selected topics in recent Russian history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5336. East European History.
A seminar based on selected topics in recent East European history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5341A. Early U.S. Diplomacy - Revolution to Reconstruction.
This course explores the philosophical, social historical, and legal aspects of the diplomatic relations of the United States, and development of the leading principles of foreign policy in the early American republic. This course assesses the literature on diplomacy and situates the topic within a comparative, Atlantic world framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5341B. Caribbean Transnationalism and Diplomacy.
This seminar focuses on the international relations of the twentieth-century Caribbean, with emphasis on interactions between Cuba, the Dominican Republic, Haiti, Jamaica, the United States, and Venezuela. Students will analyze the ways that international action and response in these countries have affected policy, government, and international social movements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5341C. Modern U.S. Diplomacy.
This course explores the philosophical, social historical, and legal aspects of the diplomatic relations of the United States, and the development of leading principles of foreign policy in the twentieth and twenty-first centuries. This course assesses the literature on diplomacy and situates the topic within a comparative, transnational framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5343. The Progressive Era.
This course is a seminar on the rise of industrial capitalism and corporate power and the public response to the related restructuring of the social and economic order between 1890 and 1920, with particular emphasis on the strengths and weaknesses of progressivism as a democratic movement for reform.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5344. History and Memory.
This course examines the way that groups shape the the collective memory of past events, how memory shifts over time, and the way it can be influenced by present influences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5345D. Oral History: Theory & Practice.
A seminar based upon developing a theoretical and practical understanding of the techniques of oral historical research and document preservation and presentation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345M. History of Utopian Communities.
This seminar examines utopian experiments in American History. Starting with John Winthrop's 1630 "City upon a Hill," the course explores both religious and secular communal ventures through the eighteenth and nineteenth centuries. The course concludes with an examination of counter-cultural, twentieth-century communes, intentional communities, and cultic separatists.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345N. Transformation of the South.
This course is a readings research seminar on African-American culture and life in the twentieth century South from 1890-1971. The course provides the students with a thorough historical examination through biographies and community studies of specific issues and events that ended legal segregation in the South.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345O. Immigration and US History.
This course focuses on North American immigration history from colonial times to the present and looks at how both immigrants and native-born Americans struggled to reconcile conflicting notions of identity and national loyalty.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345P. History of Mexican American Music in the Southwest.
This class will introduce students to the musical history of Islamic Spain, Spanish Colonial Mexico, and Mexico and investigate the influences of these traditions on the development of Mexican-American music in the American Southwest.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345Q. Gender and Citizenship.
This course is designed to introduce students to the literature in United States history that addresses issues of gender and how they relate to US citizenship from the colonial period to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345R. History of Country Music.
This seminar traces the various ethnic, social, cultural, political, economic, and demographic forces in American society that have helped shape country music. Students will also explore how this uniquely American cultural idiom mirrors the historical evolution of the United States.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345S. Theories and Methods in Popular Music History/Culture Studies.
This is a course in the theories and methods of cultural studies and popular music history for graduate students. It is intended to review the history of debates and methodologies in the field to prepare students to do original work that fits into the larger conversations in popular music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345T. Biography and American History.
In this class students will delve into the practice of biography and the ways in which biographers convey American history and culture through a life story.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5346. African American History.
This course is an intensive readings and research seminar in African American History. Through the uses of lectures, biographies, institutional histories and community studies, students will be introduced to the different interpretive themes and methodologies that have created the myriad of historical interpretations and reinterpretations of African American History. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

HIST 5347. Texas History.
A seminar based on selected topics in the history of Texas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5348. History of Texas Music.
This course examines the evolution of music in Texas and the American Southwest from pre-Colombian times to the present, with an emphasis on how music reflects the ethnically diverse history and culture of the region.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5350. The Frontier in American History.
A seminar based on selected topics in the history of the frontier in American development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5351B. Cold War America.
This course examines the Cold War years 1945 to 1960, concentrating on the domestic scene. The class will discuss the major issues of domestic politics, society, and culture, through the use of both primary and secondary sources. They will also examine the historiography of the period.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351C. Race, Gender, and Ethnicity in American Labor History.
This graduate seminar explores the impact of race, gender, and ethnicity upon American Labor History. Readings integrate race, gender, and ethnicity as categories of analysis into the study of class formation, experiences, and consciousness within the American labor force. The focus will be on unorganized as well as organized workers in the context of their social, cultural, political, and workplace environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5351D. Politics & Society of Postwar America, 1945-Present.
This course will explore the interaction of political, economic, and social forces in the years following the Second World War. Emphasis will be placed on analyzing the interdependent relationship between political structures, social movements, and economic circumstances.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351E. Foundations of the U.S. Conservation Movement.
The course will provide an overview of the conservation movement from the writings of Henry David Thoreau to publication of Rachel Carson's Silent Spring. Emphasis will be on social and cultural influences, with particular attention to government programs, naturalist literature, activism, movement leaders, and landmarks of environmental debate.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351F. US Women's History.
This course offers graduate students an introduction in the topics, themes, and issues that animate the history of women in the US.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5351H. US Latino/a History.
This course explores the histories, cultures, and politics that shape Latino/a experiences in the United States and examines the way Latino communities helped shape the making of the nation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5353. Greater Southwestern History.
A seminar based on selected topics in the history of the Greater American Southwest.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5357. The Gilded Age.
A seminar based on selected topics in late nineteenth-century American history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5358. Sectionalism & Slavery in the United States.
This course assesses the literature on the causes and consequences of the sectional conflict between the American North and the South before the Civil War, with particular focus on works examining the slavery issue and the way it exacerbated American sectionalism, leading to the fracturing of the American nation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5361. Historiography and Methods.
A general introduction to key concepts, approaches, and challenges involved in reading, researching, and writing history at the professional level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5362. Military History.
This seminar is based on selected topics in military history. May be repeated with different emphases up to nine hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5363. Antebellum American Society & Culture.
This seminar explores the cultural dynamics, social relations, and political and economic structures that shaped the lives of ordinary Americans in the three decades before the Civil War.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5366B. The Old South, 1830-1860.
Readings will enable students to understand the Old South's economic, political, and cultural development and the development of differing interpretations and schools of thought about Old South history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5367. US Era of Civil War and Reconstruction.
A seminar that examines the history of the causes, course, and consequences of the American Civil War and the efforts to reconstruct the American Nation in its aftermath.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5369. Music and Social Movements.
This course examines the historical role music has played in a variety of social movements related to race, gender, ethnicity, religion, politics, economics, education, labor, civil rights, and other issues in U.S. history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5371. The Practice of Public History.
A seminar addressing the definition, evolution, and philosophy of public history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5372. The Practice of Museum Studies and Material Culture.
A seminar addressing the history, organization, and functions of history museums.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5373. The Practice of Historic Preservation.
A seminar addressing architectural history and preservation theory and practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5374. Public History Internship.
Application of skills in public history in an on-the job setting. Internships will be selected by the student and instructor, and will be supervised by the instructor. May be repeated once for additional credit.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5375A. Documentary Film.
The use of film & video in public programming; research & produce documents.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375B. Archival Management.
A seminar based on the history, theory, and practice or archival management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375C. Cultural Resource Management.
This seminar addresses the management of cultural resources such as historic buildings, historic sites, and other tangible remains of our heritage. It explores how cultural resources are preserved and managed under federal and state law, and the nature of the regulatory practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375D. Material Culture in America.
This course examines the interactions between people and things in American society. The ways in which Americans have created, used, altered, and thought about material objects help us to understand history. Readings and research will focus on the values and attitudes embodied in the production, use, and preservation of objects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375E. Management & Administration in Historical Organizations.
This course provides an introduction to the non-profit based management, leadership, and administration issues and practices for historical organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375F. Education Programs in Historical/Cultural Institutions.
This course will study the role of education programs as primary to the missions of historical and cultural institutions and will explore how institutions create and evaluate formal and informal education programs and materials for a variety of audiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375H. Historic Preservation in East Asia.
Participants will explore various approaches to the conservation of the built environment in a range of East Asian societies through in-depth readings and participant-directed projects concerning Japan, Korea, Hong Kong, Singapore, Vietnam, and China. We will compare these approaches to typical western patterns of preservation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375I. Heritage in a Global Context.
Heritage management is the interdisciplinary approach to the preservation, protection, and public use of the historical record. This course examines definitions and approaches within a global context. Theory and practice will be analyzed through case studies and real world examples. Current issues, sustainability and maritime issues/practices will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375J. American Architectural History.
This course will analyze the historical development of American architecture, and examine architecture as evidence of America's cultural, social, economic, and technological evolution from 1607 to the present. Focus will be placed on the role of historic American architecture in the practice of public history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375K. Evaluating HIstoric Sites.
Every year millions of tourists flock to historic sites desiring to commune with "real" history, to "feel" the past. This course will introduce students to methods that scholars use to examine critically the interpretation of history at these sites without discounting the emotional connection to place that many visitors experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375L. Controversy and History.
This seminar explores how controversy, power relations, and politics are embedded in the practice of public history. It is designed to help the future practitioner navigate the complex political landscape of public history. This course is informed by the professor's experience as a consultant and federal historian.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375M. Writing for Public History.
This will be a course intensively focused on research and writing specifically for public history audiences through a variety of venues: journal articles, magazine/newspaper articles, brochures, promotional literature, personal essays, historical markers, reviews, websites, cultural resource management "gray literature," and professional papers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375N. Digital History.
Students will study the history of print and digital media to better understand the practice of digital history. They will be introduced to a variety of digital approaches to the study of history, and they will produce and contribute to a variety of digital projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375O. Records Management & Institutional Archives.
This course will introduce students to the principles and theories in records management and institutional archives. It will provide practical experience creating a records retentions schedule, researching retention requirements and best practices, appraising records with enduring value, and establishing archival series to accommodate ongoing acquisition of institutional records.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375P. The Family and Child in History and Heritage.
This course examines the historical development of the family and childhood using academic family history methods and public approaches to family heritage. It examines differing experiences of ancestors and concepts of family and childhood over time by race, class, and gender, reflecting shifts in culture, economy, and power relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5376. Local and Community History.
A seminar applying historical methods to the study of U.S. communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5377. Public History Project.
A team project focusing on one or more aspects of public history-museum exhibit, historic site interpretation, historic resources survey, etc. Repeatable with a different emphasis.
3 Credit Hours. 1 Lecture Contact Hour. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5379A. Public History Final Master's Project.
This course will be the initial development of an individualized, advanced student project in cooperation with a client or host institution, focused on any one or a combination of the public history areas of historic preservation, archives, oral history, museums, local and community history or cultural resource management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5379B. Public History Final Master's Project.
This course, to be taken during the last year of the Public History program, is the continuation of an individualized, advanced student project focused on any one or a combination of the public history areas of historic preservation, archives, oral history, museums, local and community history or cultural resource management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5381. Chinese Communism.
The Chinese Communist movement from 1919 to the present. Will focus on (1) urban and rural aspects of Chinese Communism; (2) the rise to power of the Chinese Communist Party on mainland China in 1949; and (3) the construction of the Party-State and Socialism in the People's Republic of China.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5382. China and the Modern World.
This course examines Chinese relations with the modern world from 1800 to the present, focusing on the external aggression and internal transformation between 1839 and 1945; the split into two Chinas in 1949; the mainland China/Taiwan developments, interactions between the two Chinese governments and among the world community since then.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5385. Topics in the History of the Modern Middle East.
A seminar based on selected topics from current histories of the Middle East during the 19th and 20th centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIST 5390. Problems in Historical Research.
This course is open to graduate students on an individual basis by arrangement with the department. May be repeated with the approval of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5395B. Modern Middle Eastern History.
A seminar based on selected topics in the modern history of the Muslim Middle East.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395D. Interpretations of World History.
A survey of world history that focuses on Western civilization as the catalyst of change in world history since the tenth century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395E. Mahatma Gandhi in World History.
In this course students explore how writers have narrated Gandhi's life and interpreted his historical role. Students will research aspects of Gandhi's life using primary sources. The focus of the course will be the study of material left out of histories on Gandhi and reasons for omitted material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395H. European Colonialism.
This seminar examines the variety of European imperial and colonial experiences around the world from ancient to modern times through selected primary sources and historical literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395I. Global Cold War.
This seminar will survey literature characteristic of the "new" Cold War historiography, and introduce students to primary sources available at Alkek required to write valuable original work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5398. General Research Seminar.
A seminar designed to enhance research and writing skills in history. May be repeated for credit as topic varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in History 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in History (Public History Concentration Non-thesis Option)

Major Program

The graduate program in History is designed to prepare students for careers in professional history (college teaching, research, or writing), public history, historic tourism, preservation, museums, consulting, public education (secondary teaching), and to provide a general liberal arts education for students desiring careers in business, journalism, law, and government service.

Individuals interested in a more detailed description of the graduate program in history should request a copy of the Graduate Student Handbook from the Department of History. Copies of the Graduate Student Handbook and other information may be obtained from the department's website at http://www.txstate.edu/history.

Financial Assistance

A limited number of assistantships and scholarships are available to qualified graduate students. Prospective students interested in applying for an assistantship should contact the graduate director in the Department of History. The Graduate College can provide further information about scholarships.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.25 GPA in a minimum of 24 hours of undergraduate history course work
- background course work (preferred): six hours of undergraduate foreign language
- official GRE (general test only) with competitive scores in the verbal reasoning section
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- brief statement of any foreign language competencies including a description of reading and speaking skills in terms of basic, intermediate, proficient, and fluent abilities.
- resume/CV
- statement of purpose (400-500 words with name in header) describing the ways in which the student's undergraduate experience in history courses directed his/her career toward graduate-level work in history or how that experience shaped the student's expectations of work in history at the graduate level
- two letters of recommendation with at least one from a history professor (if the student majored in history)

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Arts (M.A.) degree with a major in History concentration in public history requires 36 semester credit hours. Students must earn a grade of "B" or better in all history courses.

Course Requirements

Code	Title	Hours
Required Courses		
HIST 5361	Historiography and Methods	3
HIST 5371	The Practice of Public History	3
HIST 5374	Public History Internship	3
HIST 5398	General Research Seminar	3
Concentration		

Choose 12 hours from the following courses. Students have the option of taking a maximum of six hours of electives in a single outside field with the graduate advisor's approval. These courses must support their special research or career-related needs and interests.		12
HIST 5345D	Oral History: Theory & Practice	
HIST 5351E	Foundations of the U.S. Conservation Movement	
HIST 5372	The Practice of Museum Studies and Material Culture	
HIST 5373	The Practice of Historic Preservation	
HIST 5375A	Documentary Film	
HIST 5375B	Archival Management	
HIST 5375C	Cultural Resource Management	
HIST 5375D	Material Culture in America	
HIST 5375E	Management & Administration in Historical Organizations	
HIST 5375F	Education Programs in Historical/Cultural Institutions	
HIST 5375H	Historic Preservation in East Asia	
HIST 5375I	Heritage in a Global Context	
HIST 5375J	American Architectural History	
HIST 5375K	Evaluating HIstoric Sites	
HIST 5375L	Controversy and History	
HIST 5375M	Writing for Public History	
HIST 5375N	Digital History	
HIST 5375O	Records Management & Institutional Archives	
HIST 5375P	The Family and Child in History and Heritage	
HIST 5376	Local and Community History	
HIST 5377	Public History Project	
Electives		
Choose 12 hours from the following:		12
HIST 5307	Medieval European History: Contemporary Trends in Medieval Historiography	
HIST 5308E	Latin Literature and Roman History and Society	
HIST 5308F	Roman History and Civilization: The “Golden Age” of Rome	
HIST 5308G	Warfare in the Ancient World	
HIST 5309A	Interpreting the Eighteenth Century	
HIST 5309D	Early Modern Spain	
HIST 5310	Western European History Since 1815	
HIST 5313	Early American History	
HIST 5314	Ethnohistory	
HIST 5315A	American Sexualities	
HIST 5315B	Queer History: GLBT Histories in the United States	
HIST 5316A	Women's Rights in Comparative Perspective	
HIST 5316B	Women and Empire	
HIST 5318A	Eighteenth Century England	
HIST 5318C	The Age of the Stuarts	
HIST 5318D	European Imperialism	
HIST 5319	The Age of the Tudors	
HIST 5323A	Society and Culture in Brazil	
HIST 5323B	History of Race and Slavery in Brazil	
HIST 5324B	Race, Class, and Nation in Modern Latin America	
HIST 5324C	Slavery and Emancipation in the Americas	
HIST 5324D	Writing the History of Latin America: The Colonial Era	
HIST 5324E	Modern Latin American Revolutions	
HIST 5325A	History of Mexico to 1848	
HIST 5325C	Revolutionary Mexico	
HIST 5325D	Mexico Since the Revolution	
HIST 5335	Twentieth-Century Russia	
HIST 5336	East European History	
HIST 5341A	Early U.S. Diplomacy - Revolution to Reconstruction	
HIST 5341B	Caribbean Transnationalism and Diplomacy	
HIST 5341C	Modern U.S. Diplomacy	
HIST 5343	The Progressive Era	
HIST 5344	History and Memory	
HIST 5345M	History of Utopian Communities	
HIST 5345N	Transformation of the South	
HIST 5345O	Immigration and US History	
HIST 5345P	History of Mexican American Music in the Southwest	
HIST 5345Q	Gender and Citizenship	
HIST 5345R	History of Country Music	
HIST 5345S	Theories and Methods in Popular Music History/ Culture Studies	
HIST 5345T	Biography and American History	
HIST 5346	African American History	
HIST 5347	Texas History	
HIST 5348	History of Texas Music	
HIST 5350	The Frontier in American History	
HIST 5351B	Cold War America	
HIST 5351C	Race, Gender, and Ethnicity in American Labor History	
HIST 5351D	Politics & Society of Postwar America, 1945-Present	
HIST 5351F	US Women's History	
HIST 5351H	US Latino/a History	
HIST 5353	Greater Southwestern History	
HIST 5358	Sectionalism & Slavery in the United States	
HIST 5362	Military History	
HIST 5363	Antebellum American Society & Culture	
HIST 5366B	The Old South, 1830-1860	
HIST 5367	US Era of Civil War and Reconstruction	
HIST 5369	Music and Social Movements	
HIST 5381	Chinese Communism	
HIST 5382	China and the Modern World	
HIST 5385	Topics in the History of the Modern Middle East	
HIST 5390	Problems in Historical Research	
HIST 5395B	Modern Middle Eastern History	
HIST 5395D	Interpretations of World History	
HIST 5395E	Mahatma Gandhi in World History	
HIST 5395H	European Colonialism	
HIST 5395I	Global Cold War	

May choose 6 hours of advisor-approved electives from outside the department	
Total Hours	36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in History: HIST

Courses Offered

History (HIST)

HIST 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5300. Foundation Studies in History.
Required as a condition of admission to the M.A. History program for otherwise qualified candidates lacking sufficient History background hours. In this course, students demonstrate necessary competency in History skills and methods to succeed in the program. This course does not earn graduate degree credit. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

HIST 5301. Instructional Methods Practicum for Graduate Assistants.
Required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

HIST 5307. Medieval European History: Contemporary Trends in Medieval Historiography.
This course introduces graduate students to the craft of the medieval historian, with emphasis on major contemporary shifts in American historiography of the European Middle Ages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5308E. Latin Literature and Roman History and Society.
A seminar based on the study of the most important Latin literary works from the 2nd century B.C. to the 2nd century A.D. No knowledge of Latin is necessary to take this seminar.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5308F. Roman History and Civilization: The "Golden Age" of Rome.
The history of Roman civilization (political, diplomatic, economic, social, cultural, etc.) from Augustus to Marcus Aurelius (27 B.C. – A.D. 180). The main focus will be to explain what made possible this exceptional period and why it lasted so long.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5308G. Warfare in the Ancient World.
A seminar on the nature, development, and historical significance of war in the Western World, from the Trojan War (end of the 13th century BC) to the fall of the Western Roman Empire and the establishment of Germanic kingdoms (5th century AD).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5309A. Interpreting the Eighteenth Century.
A seminar designed to analyze the methods that historians have used to interpret the meaning of various phenomena such as the Enlightenment, the nature of society, and the origins of the French Revolution.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5309D. Early Modern Spain.
A seminar based on selected topics in political, social, intellectual, and economic history of Spain from 1450 to 1815.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5310. Western European History Since 1815.
A seminar based on selected topics in the history of Western Europe from 1815 to the present. May be repeated with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIST 5313. Early American History.
A seminar based on selected topics in the Colonial Revolutionary and Early National periods of the United States history. May be repeated with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5314. Ethnohistory.
This seminar seeks to familiarize students with current questions, methods, theories, and debates in ethnohistory, a multidisciplinary approach to the history of indigenous peoples. Materials studied will include both classic and recent ethnohistorical works.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5315A. American Sexualities.
This course addresses the history of sexualities in the United States from the colonial era to present to shed light on the ways that sexuality has shaped social life, establish conventions, and created spaces to defy norms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5315B. Queer History: GLBT Histories in the United States.
This course examines the histories of different sexual minorities from the colonial era to present, though the majority of the course focuses on the twentieth century, to explore the rise of the modern lesbian, gay, bisexual, and transgender identities, politics, and culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5316A. Women's Rights in Comparative Perspective.
This course considers national, transnational, and global development of campaigns for women's rights since the nineteenth century. The course examines how women agitated for their rights in different cultural and historical moments. Students will gain familiarity with comparative feminisms, the gendered nature of liberal movements, and women's activism in national and international arenas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5316B. Women and Empire.
From 1492 until World War II the globe was dominated by imperialism. This course considers the ways that women, in the metropoles of Europe and throughout colonial settings, found their lives shaped by empire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5318A. Eighteenth Century England.
A seminar based on selected topics in political, social, intellectual, and economic history of England from 1688 to 1815. May be repeated with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5318C. The Age of the Stuarts.
A study of selected topics in English history between 1603 and 1714.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5318D. European Imperialism.
Europe's penchant for building empires helped to greatly enhance their influence (economic, political, and cultural) from the fifteenth to the twentieth century. The course will review the major European empires and discuss the extent of their influence during this 500 year span.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5319. The Age of the Tudors.
This readings-based course emphasizes differing interpretations of selected topics in English history from circa 1485 to 1603. Constitutional, political, governmental, social, religious, and cultural aspects of the era are covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5323A. Society and Culture in Brazil.
This seminar explores the social and cultural history of Brazil through its various ages, the "Age of Sugar", the "Age of Coffee", the "Age of Pedro II", the "Belle Epoque", and the worlds of the sugar and coffee barons. It explores the character of these ages marked by the grand plantation houses, devotion to European models, and the conflict with a slave society, covering the years from the colonial period to the turn of the twentieth century. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5323B. History of Race and Slavery in Brazil.
This course assesses the literature on race relations and slavery in Brazil. It situates the topic within a comparative, Atlantic framework and provides a critical understanding of the chief issues and debates in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324B. Race, Class, and Nation in Modern Latin America.
A seminar that examines the relationship between race, class, and nation building in Latin America, beginning with independence in the nineteenth century and continuing to contemporary times. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5324C. Slavery and Emancipation in the Americas.
This course examines slavery in the Americas in its full social, political, and economic context. Students will enlarge their understanding of slavery by using an international, transatlantic framework for comparison. The course strengthens analytical skills through extensive discussion as well as significant writing and research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324D. Writing the History of Latin America: The Colonial Era.
This readings seminar provides a critical assessment of the main themes and debates of colonial Latin American historiography. The course discusses the different paradigms under which historians have approached the cultures and societies of the region under Spanish and Portuguese rule, emphasizing on the latest trends and developments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324E. Modern Latin American Revolutions.
The course is a seminar that examines and compares the causes, consequences and results of Latin America's twentieth century revolutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5325A. History of Mexico to 1848.
A topic course studying the history of Mexico from pre-historic times to the Treaty of Guadalupe Hidalgo. The course encompasses the development of Indian societies from the Yucatan to the American Southwest preceding the Spanish conquest, the social, economic, and political development of Spanish colonial Mexico, the War in Independence, and the formation of the new nation through the war with the United States. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5325C. Revolutionary Mexico.
A graduate seminar that explores the interrelated economic, social, political, and cultural conditions and forces that shaped revolutionary Mexico. Ideological currents that impacted the period will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5325D. Mexico Since the Revolution.
This class is a Graduate Seminar covering the History of Post-Revolutionary Mexico. This course will explore the history of Mexico since the Revolution, including the social, cultural, and economic legacies of the Revolution, as well as the process of State building, one party rule, globalization, and the transition to democracy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5335. Twentieth-Century Russia.
A seminar based on selected topics in recent Russian history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5336. East European History.
A seminar based on selected topics in recent East European history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5341A. Early U.S. Diplomacy - Revolution to Reconstruction.
This course explores the philosophical, social historical, and legal aspects of the diplomatic relations of the United States, and development of the leading principles of foreign policy in the early American republic. This course assesses the literature on diplomacy and situates the topic within a comparative, Atlantic world framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5341B. Caribbean Transnationalism and Diplomacy.
This seminar focuses on the international relations of the twentieth-century Caribbean, with emphasis on interactions between Cuba, the Dominican Republic, Haiti, Jamaica, the United States, and Venezuela. Students will analyze the ways that international action and response in these countries have affected policy, government, and international social movements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5341C. Modern U.S. Diplomacy.
This course explores the philosophical, social historical, and legal aspects of the diplomatic relations of the United States, and the development of leading principles of foreign policy in the twentieth and twenty-first centuries. This course assesses the literature on diplomacy and situates the topic within a comparative, transnational framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5343. The Progressive Era.
This course is a seminar on the rise of industrial capitalism and corporate power and the public response to the related restructuring of the social and economic order between 1890 and 1920, with particular emphasis on the strengths and weaknesses of progressivism as a democratic movement for reform.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5344. History and Memory.
This course examines the way that groups shape the the collective memory of past events, how memory shifts over time, and the way it can be influenced by present influences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5345D. Oral History: Theory & Practice.
A seminar based upon developing a theoretical and practical understanding of the techniques of oral historical research and document preservation and presentation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345M. History of Utopian Communities.
This seminar examines utopian experiments in American History. Starting with John Winthrop's 1630 "City upon a Hill," the course explores both religious and secular communal ventures through the eighteenth and nineteenth centuries. The course concludes with an examination of counter-cultural, twentieth-century communes, intentional communities, and cultic separatists.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345N. Transformation of the South.
This course is a readings research seminar on African-American culture and life in the twentieth century South from 1890-1971. The course provides the students with a thorough historical examination through biographies and community studies of specific issues and events that ended legal segregation in the South.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345O. Immigration and US History.
This course focuses on North American immigration history from colonial times to the present and looks at how both immigrants and native-born Americans struggled to reconcile conflicting notions of identity and national loyalty.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345P. History of Mexican American Music in the Southwest.
This class will introduce students to the musical history of Islamic Spain, Spanish Colonial Mexico, and Mexico and investigate the influences of these traditions on the development of Mexican-American music in the American Southwest.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345Q. Gender and Citizenship.
This course is designed to introduce students to the literature in United States history that addresses issues of gender and how they relate to US citizenship from the colonial period to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345R. History of Country Music.
This seminar traces the various ethnic, social, cultural, political, economic, and demographic forces in American society that have helped shape country music. Students will also explore how this uniquely American cultural idiom mirrors the historical evolution of the United States.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345S. Theories and Methods in Popular Music History/Culture Studies.
This is a course in the theories and methods of cultural studies and popular music history for graduate students. It is intended to review the history of debates and methodologies in the field to prepare students to do original work that fits into the larger conversations in popular music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345T. Biography and American History.
In this class students will delve into the practice of biography and the ways in which biographers convey American history and culture through a life story.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5346. African American History.
This course is an intensive readings and research seminar in African American History. Through the uses of lectures, biographies, institutional histories and community studies, students will be introduced to the different interpretive themes and methodologies that have created the myriad of historical interpretations and reinterpretations of African American History. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

HIST 5347. Texas History.
A seminar based on selected topics in the history of Texas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5348. History of Texas Music.
This course examines the evolution of music in Texas and the American Southwest from pre-Colombian times to the present, with an emphasis on how music reflects the ethnically diverse history and culture of the region.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5350. The Frontier in American History.
A seminar based on selected topics in the history of the frontier in American development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5351B. Cold War America.
This course examines the Cold War years 1945 to 1960, concentrating on the domestic scene. The class will discuss the major issues of domestic politics, society, and culture, through the use of both primary and secondary sources. They will also examine the historiography of the period.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351C. Race, Gender, and Ethnicity in American Labor History.
This graduate seminar explores the impact of race, gender, and ethnicity upon American Labor History. Readings integrate race, gender, and ethnicity as categories of analysis into the study of class formation, experiences, and consciousness within the American labor force. The focus will be on unorganized as well as organized workers in the context of their social, cultural, political, and workplace environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5351D. Politics & Society of Postwar America, 1945-Present.
This course will explore the interaction of political, economic, and social forces in the years following the Second World War. Emphasis will be placed on analyzing the interdependent relationship between political structures, social movements, and economic circumstances.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351E. Foundations of the U.S. Conservation Movement.
The course will provide an overview of the conservation movement from the writings of Henry David Thoreau to publication of Rachel Carson's Silent Spring. Emphasis will be on social and cultural influences, with particular attention to government programs, naturalist literature, activism, movement leaders, and landmarks of environmental debate.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351F. US Women's History.
This course offers graduate students an introduction in the topics, themes, and issues that animate the history of women in the US.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5351H. US Latino/a History.
This course explores the histories, cultures, and politics that shape Latino/a experiences in the United States and examines the way Latino communities helped shape the making of the nation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5353. Greater Southwestern History.
A seminar based on selected topics in the history of the Greater American Southwest.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5357. The Gilded Age.
A seminar based on selected topics in late nineteenth-century American history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5358. Sectionalism & Slavery in the United States.
This course assesses the literature on the causes and consequences of the sectional conflict between the American North and the South before the Civil War, with particular focus on works examining the slavery issue and the way it exacerbated American sectionalism, leading to the fracturing of the American nation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5361. Historiography and Methods.
A general introduction to key concepts, approaches, and challenges involved in reading, researching, and writing history at the professional level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5362. Military History.
This seminar is based on selected topics in military history. May be repeated with different emphases up to nine hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5363. Antebellum American Society & Culture.
This seminar explores the cultural dynamics, social relations, and political and economic structures that shaped the lives of ordinary Americans in the three decades before the Civil War.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5366B. The Old South, 1830-1860.
Readings will enable students to understand the Old South's economic, political, and cultural development and the development of differing interpretations and schools of thought about Old South history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5367. US Era of Civil War and Reconstruction.
A seminar that examines the history of the causes, course, and consequences of the American Civil War and the efforts to reconstruct the American Nation in its aftermath.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5369. Music and Social Movements.
This course examines the historical role music has played in a variety of social movements related to race, gender, ethnicity, religion, politics, economics, education, labor, civil rights, and other issues in U.S. history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5371. The Practice of Public History.
A seminar addressing the definition, evolution, and philosophy of public history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5372. The Practice of Museum Studies and Material Culture.
A seminar addressing the history, organization, and functions of history museums.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5373. The Practice of Historic Preservation.
A seminar addressing architectural history and preservation theory and practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5374. Public History Internship.
Application of skills in public history in an on-the job setting. Internships will be selected by the student and instructor, and will be supervised by the instructor. May be repeated once for additional credit.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5375A. Documentary Film.
The use of film & video in public programming; research & produce documents.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375B. Archival Management.
A seminar based on the history, theory, and practice or archival management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375C. Cultural Resource Management.
This seminar addresses the management of cultural resources such as historic buildings, historic sites, and other tangible remains of our heritage. It explores how cultural resources are preserved and managed under federal and state law, and the nature of the regulatory practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375D. Material Culture in America.
This course examines the interactions between people and things in American society. The ways in which Americans have created, used, altered, and thought about material objects help us to understand history. Readings and research will focus on the values and attitudes embodied in the production, use, and preservation of objects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375E. Management & Administration in Historical Organizations.
This course provides an introduction to the non-profit based management, leadership, and administration issues and practices for historical organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375F. Education Programs in Historical/Cultural Institutions.
This course will study the role of education programs as primary to the missions of historical and cultural institutions and will explore how institutions create and evaluate formal and informal education programs and materials for a variety of audiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375H. Historic Preservation in East Asia.
Participants will explore various approaches to the conservation of the built environment in a range of East Asian societies through in-depth readings and participant-directed projects concerning Japan, Korea, Hong Kong, Singapore, Vietnam, and China. We will compare these approaches to typical western patterns of preservation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375I. Heritage in a Global Context.
Heritage management is the interdisciplinary approach to the preservation, protection, and public use of the historical record. This course examines definitions and approaches within a global context. Theory and practice will be analyzed through case studies and real world examples. Current issues, sustainability and maritime issues/practices will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375J. American Architectural History.
This course will analyze the historical development of American architecture, and examine architecture as evidence of America's cultural, social, economic, and technological evolution from 1607 to the present. Focus will be placed on the role of historic American architecture in the practice of public history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375K. Evaluating HIstoric Sites.
Every year millions of tourists flock to historic sites desiring to commune with "real" history, to "feel" the past. This course will introduce students to methods that scholars use to examine critically the interpretation of history at these sites without discounting the emotional connection to place that many visitors experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375L. Controversy and History.
This seminar explores how controversy, power relations, and politics are embedded in the practice of public history. It is designed to help the future practitioner navigate the complex political landscape of public history. This course is informed by the professor's experience as a consultant and federal historian.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375M. Writing for Public History.
This will be a course intensively focused on research and writing specifically for public history audiences through a variety of venues: journal articles, magazine/newspaper articles, brochures, promotional literature, personal essays, historical markers, reviews, websites, cultural resource management "gray literature," and professional papers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375N. Digital History.
Students will study the history of print and digital media to better understand the practice of digital history. They will be introduced to a variety of digital approaches to the study of history, and they will produce and contribute to a variety of digital projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375O. Records Management & Institutional Archives.
This course will introduce students to the principles and theories in records management and institutional archives. It will provide practical experience creating a records retentions schedule, researching retention requirements and best practices, appraising records with enduring value, and establishing archival series to accommodate ongoing acquisition of institutional records.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375P. The Family and Child in History and Heritage.
This course examines the historical development of the family and childhood using academic family history methods and public approaches to family heritage. It examines differing experiences of ancestors and concepts of family and childhood over time by race, class, and gender, reflecting shifts in culture, economy, and power relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5376. Local and Community History.
A seminar applying historical methods to the study of U.S. communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5377. Public History Project.
A team project focusing on one or more aspects of public history-museum exhibit, historic site interpretation, historic resources survey, etc. Repeatable with a different emphasis.
3 Credit Hours. 1 Lecture Contact Hour. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5379A. Public History Final Master's Project.
This course will be the initial development of an individualized, advanced student project in cooperation with a client or host institution, focused on any one or a combination of the public history areas of historic preservation, archives, oral history, museums, local and community history or cultural resource management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5379B. Public History Final Master's Project.
This course, to be taken during the last year of the Public History program, is the continuation of an individualized, advanced student project focused on any one or a combination of the public history areas of historic preservation, archives, oral history, museums, local and community history or cultural resource management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5381. Chinese Communism.
The Chinese Communist movement from 1919 to the present. Will focus on (1) urban and rural aspects of Chinese Communism; (2) the rise to power of the Chinese Communist Party on mainland China in 1949; and (3) the construction of the Party-State and Socialism in the People's Republic of China.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5382. China and the Modern World.
This course examines Chinese relations with the modern world from 1800 to the present, focusing on the external aggression and internal transformation between 1839 and 1945; the split into two Chinas in 1949; the mainland China/Taiwan developments, interactions between the two Chinese governments and among the world community since then.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5385. Topics in the History of the Modern Middle East.
A seminar based on selected topics from current histories of the Middle East during the 19th and 20th centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIST 5390. Problems in Historical Research.
This course is open to graduate students on an individual basis by arrangement with the department. May be repeated with the approval of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5395B. Modern Middle Eastern History.
A seminar based on selected topics in the modern history of the Muslim Middle East.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395D. Interpretations of World History.
A survey of world history that focuses on Western civilization as the catalyst of change in world history since the tenth century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395E. Mahatma Gandhi in World History.
In this course students explore how writers have narrated Gandhi's life and interpreted his historical role. Students will research aspects of Gandhi's life using primary sources. The focus of the course will be the study of material left out of histories on Gandhi and reasons for omitted material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395H. European Colonialism.
This seminar examines the variety of European imperial and colonial experiences around the world from ancient to modern times through selected primary sources and historical literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395I. Global Cold War.
This seminar will survey literature characteristic of the "new" Cold War historiography, and introduce students to primary sources available at Alkek required to write valuable original work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5398. General Research Seminar.
A seminar designed to enhance research and writing skills in history. May be repeated for credit as topic varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in History 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in History (Public History Concentration Thesis Option)

Major Program

The graduate program in History is designed to prepare students for careers in professional history (college teaching, research, or writing), public history, historic tourism, preservation, museums, consulting, public education (secondary teaching), and to provide a general liberal arts education for students desiring careers in business, journalism, law, and government service.

Individuals interested in a more detailed description of the graduate program in history should request a copy of the Graduate Student Handbook from the Department of History. Copies of the Graduate Student Handbook and other information may be obtained from the department's website at http://www.txstate.edu/history.

Financial Assistance

A limited number of assistantships and scholarships are available to qualified graduate students. Prospective students interested in applying for an assistantship should contact the graduate director in the Department of History. The Graduate College can provide further information about scholarships.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.25 GPA in a minimum of 24 hours of undergraduate history course work
- background course work (preferred): six hours of undergraduate foreign language

- official GRE (general test only) with competitive scores in the verbal reasoning section
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- brief statement of any foreign language competencies including a description of reading and speaking skills in terms of basic, intermediate, proficient, and fluent abilities.
- resume/CV
- statement of purpose (400-500 words with name in header) describing the ways in which the student's undergraduate experience in history courses directed his/her career toward graduate-level work in history or how that experience shaped the student's expectations of work in history at the graduate level
- two letters of recommendation with at least one from a history professor (if the student majored in history)

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Arts (M.A.) degree with a major in History concentration in public history requires 39 semester credit hours, including a thesis. Students must earn a grade of "B" or better in all history courses.

Course Requirements

Code	Title	Hours
Required Courses		
HIST 5361	Historiography and Methods	3
HIST 5371	The Practice of Public History	3
HIST 5374	Public History Internship	3
HIST 5398	General Research Seminar	3
Concentration		
Choose 12 hours from the following courses. Students have the option of taking a maximum of six hours of electives in a single outside field with the graduate advisor's approval. These courses must support their special research or career-related needs and interests.		12
HIST 5345D	Oral History: Theory & Practice	
HIST 5351E	Foundations of the U.S. Conservation Movement	
HIST 5372	The Practice of Museum Studies and Material Culture	
HIST 5373	The Practice of Historic Preservation	
HIST 5375A	Documentary Film	
HIST 5375B	Archival Management	
HIST 5375C	Cultural Resource Management	
HIST 5375D	Material Culture in America	
HIST 5375E	Management & Administration in Historical Organizations	
HIST 5375F	Education Programs in Historical/Cultural Institutions	
HIST 5375H	Historic Preservation in East Asia	
HIST 5375I	Heritage in a Global Context	
HIST 5375J	American Architectural History	
HIST 5375K	Evaluating HIstoric Sites	
HIST 5375L	Controversy and History	
HIST 5375M	Writing for Public History	
HIST 5375N	Digital History	
HIST 5375O	Records Management & Institutional Archives	
HIST 5375P	The Family and Child in History and Heritage	
HIST 5376	Local and Community History	
HIST 5377	Public History Project	
Electives		
Choose 9 hours from the following:		9
HIST 5307	Medieval European History: Contemporary Trends in Medieval Historiography	
HIST 5308E	Latin Literature and Roman History and Society	
HIST 5308F	Roman History and Civilization: The "Golden Age" of Rome	
HIST 5308G	Warfare in the Ancient World	
HIST 5309A	Interpreting the Eighteenth Century	
HIST 5309D	Early Modern Spain	
HIST 5310	Western European History Since 1815	
HIST 5313	Early American History	
HIST 5314	Ethnohistory	
HIST 5315A	American Sexualities	
HIST 5315B	Queer History: GLBT Histories in the United States	
HIST 5316A	Women's Rights in Comparative Perspective	
HIST 5316B	Women and Empire	
HIST 5318A	Eighteenth Century England	
HIST 5318C	The Age of the Stuarts	
HIST 5318D	European Imperialism	
HIST 5319	The Age of the Tudors	
HIST 5323A	Society and Culture in Brazil	
HIST 5323B	History of Race and Slavery in Brazil	
HIST 5324B	Race, Class, and Nation in Modern Latin America	
HIST 5324C	Slavery and Emancipation in the Americas	
HIST 5324D	Writing the History of Latin America: The Colonial Era	
HIST 5324E	Modern Latin American Revolutions	
HIST 5325A	History of Mexico to 1848	
HIST 5325C	Revolutionary Mexico	
HIST 5325D	Mexico Since the Revolution	
HIST 5335	Twentieth-Century Russia	
HIST 5336	East European History	
HIST 5341A	Early U.S. Diplomacy - Revolution to Reconstruction	

HIST 5341B	Caribbean Transnationalism and Diplomacy	
HIST 5341C	Modern U.S. Diplomacy	
HIST 5343	The Progressive Era	
HIST 5344	History and Memory	
HIST 5345M	History of Utopian Communities	
HIST 5345N	Transformation of the South	
HIST 5345O	Immigration and US History	
HIST 5345P	History of Mexican American Music in the Southwest	
HIST 5345Q	Gender and Citizenship	
HIST 5345R	History of Country Music	
HIST 5345S	Theories and Methods in Popular Music History/ Culture Studies	
HIST 5345T	Biography and American History	
HIST 5346	African American History	
HIST 5347	Texas History	
HIST 5348	History of Texas Music	
HIST 5350	The Frontier in American History	
HIST 5351B	Cold War America	
HIST 5351C	Race, Gender, and Ethnicity in American Labor History	
HIST 5351D	Politics & Society of Postwar America, 1945-Present	
HIST 5351F	US Women's History	
HIST 5351H	US Latino/a History	
HIST 5353	Greater Southwestern History	
HIST 5358	Sectionalism & Slavery in the United States	
HIST 5362	Military History	
HIST 5363	Antebellum American Society & Culture	
HIST 5366B	The Old South, 1830-1860	
HIST 5367	US Era of Civil War and Reconstruction	
HIST 5369	Music and Social Movements	
HIST 5381	Chinese Communism	
HIST 5382	China and the Modern World	
HIST 5385	Topics in the History of the Modern Middle East	
HIST 5390	Problems in Historical Research	
HIST 5395B	Modern Middle Eastern History	
HIST 5395D	Interpretations of World History	
HIST 5395E	Mahatma Gandhi in World History	
HIST 5395H	European Colonialism	
HIST 5395I	Global Cold War	
May choose 6 hours of advisor-approved electives from outside the department		
Thesis		
HIST 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
HIST 5199B	Thesis	
HIST 5299B	Thesis	
HIST 5399B	Thesis	
HIST 5599B	Thesis	
HIST 5999B	Thesis	
Total Hours		39

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by

definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in History: HIST

Courses Offered

History (HIST)

HIST 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5300. Foundation Studies in History.
Required as a condition of admission to the M.A. History program for otherwise qualified candidates lacking sufficient History background hours. In this course, students demonstrate necessary competency in History skills and methods to succeed in the program. This course does not earn graduate degree credit. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

HIST 5301. Instructional Methods Practicum for Graduate Assistants.
Required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

HIST 5307. Medieval European History: Contemporary Trends in Medieval Historiography.
This course introduces graduate students to the craft of the medieval historian, with emphasis on major contemporary shifts in American historiography of the European Middle Ages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5308E. Latin Literature and Roman History and Society.
A seminar based on the study of the most important Latin literary works from the 2nd century B.C. to the 2nd century A.D. No knowledge of Latin is necessary to take this seminar.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5308F. Roman History and Civilization: The "Golden Age" of Rome.
The history of Roman civilization (political, diplomatic, economic, social, cultural, etc.) from Augustus to Marcus Aurelius (27 B.C. – A.D. 180). The main focus will be to explain what made possible this exceptional period and why it lasted so long.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5308G. Warfare in the Ancient World.
A seminar on the nature, development, and historical significance of war in the Western World, from the Trojan War (end of the 13th century BC) to the fall of the Western Roman Empire and the establishment of Germanic kingdoms (5th century AD).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5309A. Interpreting the Eighteenth Century.
A seminar designed to analyze the methods that historians have used to interpret the meaning of various phenomena such as the Enlightenment, the nature of society, and the origins of the French Revolution.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5309D. Early Modern Spain.
A seminar based on selected topics in political, social, intellectual, and economic history of Spain from 1450 to 1815.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5310. Western European History Since 1815.
A seminar based on selected topics in the history of Western Europe from 1815 to the present. May be repeated with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIST 5313. Early American History.
A seminar based on selected topics in the Colonial Revolutionary and Early National periods of the United States history. May be repeated with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5314. Ethnohistory.
This seminar seeks to familiarize students with current questions, methods, theories, and debates in ethnohistory, a multidisciplinary approach to the history of indigenous peoples. Materials studied will include both classic and recent ethnohistorical works.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5315A. American Sexualities.
This course addresses the history of sexualities in the United States from the colonial era to present to shed light on the ways that sexuality has shaped social life, establish conventions, and created spaces to defy norms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5315B. Queer History: GLBT Histories in the United States.
This course examines the histories of different sexual minorities from the colonial era to present, though the majority of the course focuses on the twentieth century, to explore the rise of the modern lesbian, gay, bisexual, and transgender identities, politics, and culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5316A. Women's Rights in Comparative Perspective.
This course considers national, transnational, and global development of campaigns for women's rights since the nineteenth century. The course examines how women agitated for their rights in different cultural and historical moments. Students will gain familiarity with comparative feminisms, the gendered nature of liberal movements, and women's activism in national and international arenas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5316B. Women and Empire.
From 1492 until World War II the globe was dominated by imperialism. This course considers the ways that women, in the metropoles of Europe and throughout colonial settings, found their lives shaped by empire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5318A. Eighteenth Century England.
A seminar based on selected topics in political, social, intellectual, and economic history of England from 1688 to 1815. May be repeated with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5318C. The Age of the Stuarts.
A study of selected topics in English history between 1603 and 1714.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5318D. European Imperialism.
Europe's penchant for building empires helped to greatly enhance their influence (economic, political, and cultural) from the fifteenth to the twentieth century. The course will review the major European empires and discuss the extent of their influence during this 500 year span.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5319. The Age of the Tudors.
This readings-based course emphasizes differing interpretations of selected topics in English history from circa 1485 to 1603. Constitutional, political, governmental, social, religious, and cultural aspects of the era are covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5323A. Society and Culture in Brazil.
This seminar explores the social and cultural history of Brazil through its various ages, the "Age of Sugar", the "Age of Coffee", the "Age of Pedro II", the "Belle Epoque", and the worlds of the sugar and coffee barons. It explores the character of these ages marked by the grand plantation houses, devotion to European models, and the conflict with a slave society, covering the years from the colonial period to the turn of the twentieth century. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5323B. History of Race and Slavery in Brazil.
This course assesses the literature on race relations and slavery in Brazil. It situates the topic within a comparative, Atlantic framework and provides a critical understanding of the chief issues and debates in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324B. Race, Class, and Nation in Modern Latin America.
A seminar that examines the relationship between race, class, and nation building in Latin America, beginning with independence in the nineteenth century and continuing to contemporary times. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5324C. Slavery and Emancipation in the Americas.
This course examines slavery in the Americas in its full social, political, and economic context. Students will enlarge their understanding of slavery by using an international, transatlantic framework for comparison. The course strengthens analytical skills through extensive discussion as well as significant writing and research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324D. Writing the History of Latin America: The Colonial Era.
This readings seminar provides a critical assessment of the main themes and debates of colonial Latin American historiography. The course discusses the different paradigms under which historians have approached the cultures and societies of the region under Spanish and Portuguese rule, emphasizing on the latest trends and developments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324E. Modern Latin American Revolutions.
The course is a seminar that examines and compares the causes, consequences and results of Latin America's twentieth century revolutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5325A. History of Mexico to 1848.
A topic course studying the history of Mexico from pre-historic times to the Treaty of Guadalupe Hidalgo. The course encompasses the development of Indian societies from the Yucatan to the American Southwest preceding the Spanish conquest, the social, economic, and political development of Spanish colonial Mexico, the War in Independence, and the formation of the new nation through the war with the United States. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5325C. Revolutionary Mexico.
A graduate seminar that explores the interrelated economic, social, political, and cultural conditions and forces that shaped revolutionary Mexico. Ideological currents that impacted the period will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5325D. Mexico Since the Revolution.
This class is a Graduate Seminar covering the History of Post-Revolutionary Mexico. This course will explore the history of Mexico since the Revolution, including the social, cultural, and economic legacies of the Revolution, as well as the process of State building, one party rule, globalization, and the transition to democracy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5335. Twentieth-Century Russia.
A seminar based on selected topics in recent Russian history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5336. East European History.
A seminar based on selected topics in recent East European history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5341A. Early U.S. Diplomacy - Revolution to Reconstruction.
This course explores the philosophical, social historical, and legal aspects of the diplomatic relations of the United States, and development of the leading principles of foreign policy in the early American republic. This course assesses the literature on diplomacy and situates the topic within a comparative, Atlantic world framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5341B. Caribbean Transnationalism and Diplomacy.
This seminar focuses on the international relations of the twentieth-century Caribbean, with emphasis on interactions between Cuba, the Dominican Republic, Haiti, Jamaica, the United States, and Venezuela. Students will analyze the ways that international action and response in these countries have affected policy, government, and international social movements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5341C. Modern U.S. Diplomacy.
This course explores the philosophical, social historical, and legal aspects of the diplomatic relations of the United States, and the development of leading principles of foreign policy in the twentieth and twenty-first centuries. This course assesses the literature on diplomacy and situates the topic within a comparative, transnational framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5343. The Progressive Era.
This course is a seminar on the rise of industrial capitalism and corporate power and the public response to the related restructuring of the social and economic order between 1890 and 1920, with particular emphasis on the strengths and weaknesses of progressivism as a democratic movement for reform.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5344. History and Memory.
This course examines the way that groups shape the the collective memory of past events, how memory shifts over time, and the way it can be influenced by present influences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5345D. Oral History: Theory & Practice.
A seminar based upon developing a theoretical and practical understanding of the techniques of oral historical research and document preservation and presentation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345M. History of Utopian Communities.
This seminar examines utopian experiments in American History. Starting with John Winthrop's 1630 "City upon a Hill," the course explores both religious and secular communal ventures through the eighteenth and nineteenth centuries. The course concludes with an examination of counter-cultural, twentieth-century communes, intentional communities, and cultic separatists.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345N. Transformation of the South.
This course is a readings research seminar on African-American culture and life in the twentieth century South from 1890-1971. The course provides the students with a thorough historical examination through biographies and community studies of specific issues and events that ended legal segregation in the South.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345O. Immigration and US History.
This course focuses on North American immigration history from colonial times to the present and looks at how both immigrants and native-born Americans struggled to reconcile conflicting notions of identity and national loyalty.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345P. History of Mexican American Music in the Southwest.
This class will introduce students to the musical history of Islamic Spain, Spanish Colonial Mexico, and Mexico and investigate the influences of these traditions on the development of Mexican-American music in the American Southwest.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345Q. Gender and Citizenship.
This course is designed to introduce students to the literature in United States history that addresses issues of gender and how they relate to US citizenship from the colonial period to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345R. History of Country Music.
This seminar traces the various ethnic, social, cultural, political, economic, and demographic forces in American society that have helped shape country music. Students will also explore how this uniquely American cultural idiom mirrors the historical evolution of the United States.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345S. Theories and Methods in Popular Music History/Culture Studies.
This is a course in the theories and methods of cultural studies and popular music history for graduate students. It is intended to review the history of debates and methodologies in the field to prepare students to do original work that fits into the larger conversations in popular music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345T. Biography and American History.
In this class students will delve into the practice of biography and the ways in which biographers convey American history and culture through a life story.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5346. African American History.
This course is an intensive readings and research seminar in African American History. Through the uses of lectures, biographies, institutional histories and community studies, students will be introduced to the different interpretive themes and methodologies that have created the myriad of historical interpretations and reinterpretations of African American History. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

HIST 5347. Texas History.
A seminar based on selected topics in the history of Texas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5348. History of Texas Music.
This course examines the evolution of music in Texas and the American Southwest from pre-Colombian times to the present, with an emphasis on how music reflects the ethnically diverse history and culture of the region.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5350. The Frontier in American History.
A seminar based on selected topics in the history of the frontier in American development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5351B. Cold War America.
This course examines the Cold War years 1945 to 1960, concentrating on the domestic scene. The class will discuss the major issues of domestic politics, society, and culture, through the use of both primary and secondary sources. They will also examine the historiography of the period.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351C. Race, Gender, and Ethnicity in American Labor History.
This graduate seminar explores the impact of race, gender, and ethnicity upon American Labor History. Readings integrate race, gender, and ethnicity as categories of analysis into the study of class formation, experiences, and consciousness within the American labor force. The focus will be on unorganized as well as organized workers in the context of their social, cultural, political, and workplace environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5351D. Politics & Society of Postwar America, 1945-Present.
This course will explore the interaction of political, economic, and social forces in the years following the Second World War. Emphasis will be placed on analyzing the interdependent relationship between political structures, social movements, and economic circumstances.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351E. Foundations of the U.S. Conservation Movement.
The course will provide an overview of the conservation movement from the writings of Henry David Thoreau to publication of Rachel Carson's Silent Spring. Emphasis will be on social and cultural influences, with particular attention to government programs, naturalist literature, activism, movement leaders, and landmarks of environmental debate.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351F. US Women's History.
This course offers graduate students an introduction in the topics, themes, and issues that animate the history of women in the US.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5351H. US Latino/a History.
This course explores the histories, cultures, and politics that shape Latino/a experiences in the United States and examines the way Latino communities helped shape the making of the nation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5353. Greater Southwestern History.
A seminar based on selected topics in the history of the Greater American Southwest.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5357. The Gilded Age.
A seminar based on selected topics in late nineteenth-century American history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5358. Sectionalism & Slavery in the United States.
This course assesses the literature on the causes and consequences of the sectional conflict between the American North and the South before the Civil War, with particular focus on works examining the slavery issue and the way it exacerbated American sectionalism, leading to the fracturing of the American nation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5361. Historiography and Methods.
A general introduction to key concepts, approaches, and challenges involved in reading, researching, and writing history at the professional level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5362. Military History.
This seminar is based on selected topics in military history. May be repeated with different emphases up to nine hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5363. Antebellum American Society & Culture.
This seminar explores the cultural dynamics, social relations, and political and economic structures that shaped the lives of ordinary Americans in the three decades before the Civil War.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5366B. The Old South, 1830-1860.
Readings will enable students to understand the Old South's economic, political, and cultural development and the development of differing interpretations and schools of thought about Old South history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5367. US Era of Civil War and Reconstruction.
A seminar that examines the history of the causes, course, and consequences of the American Civil War and the efforts to reconstruct the American Nation in its aftermath.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5369. Music and Social Movements.
This course examines the historical role music has played in a variety of social movements related to race, gender, ethnicity, religion, politics, economics, education, labor, civil rights, and other issues in U.S. history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5371. The Practice of Public History.
A seminar addressing the definition, evolution, and philosophy of public history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5372. The Practice of Museum Studies and Material Culture.
A seminar addressing the history, organization, and functions of history museums.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5373. The Practice of Historic Preservation.
A seminar addressing architectural history and preservation theory and practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5374. Public History Internship.
Application of skills in public history in an on-the job setting. Internships will be selected by the student and instructor, and will be supervised by the instructor. May be repeated once for additional credit.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5375A. Documentary Film.
The use of film & video in public programming; research & produce documents.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375B. Archival Management.
A seminar based on the history, theory, and practice or archival management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375C. Cultural Resource Management.
This seminar addresses the management of cultural resources such as historic buildings, historic sites, and other tangible remains of our heritage. It explores how cultural resources are preserved and managed under federal and state law, and the nature of the regulatory practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375D. Material Culture in America.
This course examines the interactions between people and things in American society. The ways in which Americans have created, used, altered, and thought about material objects help us to understand history. Readings and research will focus on the values and attitudes embodied in the production, use, and preservation of objects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375E. Management & Administration in Historical Organizations.
This course provides an introduction to the non-profit based management, leadership, and administration issues and practices for historical organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375F. Education Programs in Historical/Cultural Institutions.
This course will study the role of education programs as primary to the missions of historical and cultural institutions and will explore how institutions create and evaluate formal and informal education programs and materials for a variety of audiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375H. Historic Preservation in East Asia.
Participants will explore various approaches to the conservation of the built environment in a range of East Asian societies through in-depth readings and participant-directed projects concerning Japan, Korea, Hong Kong, Singapore, Vietnam, and China. We will compare these approaches to typical western patterns of preservation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375I. Heritage in a Global Context.
Heritage management is the interdisciplinary approach to the preservation, protection, and public use of the historical record. This course examines definitions and approaches within a global context. Theory and practice will be analyzed through case studies and real world examples. Current issues, sustainability and maritime issues/practices will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375J. American Architectural History.
This course will analyze the historical development of American architecture, and examine architecture as evidence of America's cultural, social, economic, and technological evolution from 1607 to the present. Focus will be placed on the role of historic American architecture in the practice of public history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375K. Evaluating HIstoric Sites.
Every year millions of tourists flock to historic sites desiring to commune with "real" history, to "feel" the past. This course will introduce students to methods that scholars use to examine critically the interpretation of history at these sites without discounting the emotional connection to place that many visitors experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375L. Controversy and History.
This seminar explores how controversy, power relations, and politics are embedded in the practice of public history. It is designed to help the future practitioner navigate the complex political landscape of public history. This course is informed by the professor's experience as a consultant and federal historian.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375M. Writing for Public History.
This will be a course intensively focused on research and writing specifically for public history audiences through a variety of venues: journal articles, magazine/newspaper articles, brochures, promotional literature, personal essays, historical markers, reviews, websites, cultural resource management "gray literature," and professional papers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375N. Digital History.
Students will study the history of print and digital media to better understand the practice of digital history. They will be introduced to a variety of digital approaches to the study of history, and they will produce and contribute to a variety of digital projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375O. Records Management & Institutional Archives.
This course will introduce students to the principles and theories in records management and institutional archives. It will provide practical experience creating a records retentions schedule, researching retention requirements and best practices, appraising records with enduring value, and establishing archival series to accommodate ongoing acquisition of institutional records.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375P. The Family and Child in History and Heritage.
This course examines the historical development of the family and childhood using academic family history methods and public approaches to family heritage. It examines differing experiences of ancestors and concepts of family and childhood over time by race, class, and gender, reflecting shifts in culture, economy, and power relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5376. Local and Community History.
A seminar applying historical methods to the study of U.S. communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5377. Public History Project.
A team project focusing on one or more aspects of public history-museum exhibit, historic site interpretation, historic resources survey, etc. Repeatable with a different emphasis.
3 Credit Hours. 1 Lecture Contact Hour. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5379A. Public History Final Master's Project.
This course will be the initial development of an individualized, advanced student project in cooperation with a client or host institution, focused on any one or a combination of the public history areas of historic preservation, archives, oral history, museums, local and community history or cultural resource management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5379B. Public History Final Master's Project.
This course, to be taken during the last year of the Public History program, is the continuation of an individualized, advanced student project focused on any one or a combination of the public history areas of historic preservation, archives, oral history, museums, local and community history or cultural resource management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5381. Chinese Communism.
The Chinese Communist movement from 1919 to the present. Will focus on (1) urban and rural aspects of Chinese Communism; (2) the rise to power of the Chinese Communist Party on mainland China in 1949; and (3) the construction of the Party-State and Socialism in the People's Republic of China.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5382. China and the Modern World.
This course examines Chinese relations with the modern world from 1800 to the present, focusing on the external aggression and internal transformation between 1839 and 1945; the split into two Chinas in 1949; the mainland China/Taiwan developments, interactions between the two Chinese governments and among the world community since then.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5385. Topics in the History of the Modern Middle East.
A seminar based on selected topics from current histories of the Middle East during the 19th and 20th centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIST 5390. Problems in Historical Research.
This course is open to graduate students on an individual basis by arrangement with the department. May be repeated with the approval of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5395B. Modern Middle Eastern History.
A seminar based on selected topics in the modern history of the Muslim Middle East.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395D. Interpretations of World History.
A survey of world history that focuses on Western civilization as the catalyst of change in world history since the tenth century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395E. Mahatma Gandhi in World History.
In this course students explore how writers have narrated Gandhi's life and interpreted his historical role. Students will research aspects of Gandhi's life using primary sources. The focus of the course will be the study of material left out of histories on Gandhi and reasons for omitted material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395H. European Colonialism.
This seminar examines the variety of European imperial and colonial experiences around the world from ancient to modern times through selected primary sources and historical literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395I. Global Cold War.
This seminar will survey literature characteristic of the "new" Cold War historiography, and introduce students to primary sources available at Alkek required to write valuable original work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5398. General Research Seminar.
A seminar designed to enhance research and writing skills in history. May be repeated for credit as topic varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in History 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in History (Thesis Option)

Major Program

The graduate program in History is designed to prepare students for careers in professional history (college teaching, research, or writing), public history, historic tourism, preservation, museums, consulting, public education (secondary teaching), and to provide a general liberal arts education for students desiring careers in business, journalism, law, and government service.

Individuals interested in a more detailed description of the graduate program in history should request a copy of the Graduate Student Handbook from the Department of History. Copies of the Graduate Student Handbook and other information may be obtained from the department's website at http://www.txstate.edu/history.

Financial Assistance

A limited number of assistantships and scholarships are available to qualified graduate students. Prospective students interested in applying for an assistantship should contact the graduate director in the Department of History. The Graduate College can provide further information about scholarships.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.25 GPA in a minimum of 24 hours of undergraduate history course work
- background course work (preferred): six hours of undergraduate foreign language
- official GRE (general test only) with competitive scores in the verbal reasoning section
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- brief statement of any foreign language competencies including a description of reading and speaking skills in terms of basic, intermediate, proficient, and fluent abilities.
- resume/CV
- statement of purpose (400-500 words with name in header) describing the ways in which the student's undergraduate experience in history courses directed his/her career toward graduate-level work in history or how that experience shaped the student's expectations of work in history at the graduate level
- two letters of recommendation with at least one from a history professor (if the student majored in history)

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Arts (M.A.) degree with a major in History requires 33 semester credit hours, including a thesis. Students must earn a grade of "B" or better in all history courses.

Course Requirements

Code	Title	Hours
Required Courses		
HIST 5361	Historiography and Methods	3
HIST 5398	General Research Seminar	3
Electives		
Choose 21 hours from the following courses. Students have the option of taking a maximum of six hours of electives in a single outside field with the graduate advisor's approval. These courses must support their special research or career-related needs and interests.		21
HIST 5307	Medieval European History: Contemporary Trends in Medieval Historiography	
HIST 5308E	Latin Literature and Roman History and Society	
HIST 5308F	Roman History and Civilization: The "Golden Age" of Rome	
HIST 5308G	Warfare in the Ancient World	
HIST 5309A	Interpreting the Eighteenth Century	
HIST 5309D	Early Modern Spain	
HIST 5310	Western European History Since 1815	
HIST 5313	Early American History	
HIST 5314	Ethnohistory	
HIST 5315A	American Sexualities	
HIST 5315B	Queer History: GLBT Histories in the United States	
HIST 5316A	Women's Rights in Comparative Perspective	

HIST 5316B	Women and Empire
HIST 5318A	Eighteenth Century England
HIST 5318C	The Age of the Stuarts
HIST 5318D	European Imperialism
HIST 5319	The Age of the Tudors
HIST 5323A	Society and Culture in Brazil
HIST 5323B	History of Race and Slavery in Brazil
HIST 5324B	Race, Class, and Nation in Modern Latin America
HIST 5324C	Slavery and Emancipation in the Americas
HIST 5324D	Writing the History of Latin America: The Colonial Era
HIST 5324E	Modern Latin American Revolutions
HIST 5325A	History of Mexico to 1848
HIST 5325C	Revolutionary Mexico
HIST 5325D	Mexico Since the Revolution
HIST 5335	Twentieth-Century Russia
HIST 5336	East European History
HIST 5341A	Early U.S. Diplomacy - Revolution to Reconstruction
HIST 5341B	Caribbean Transnationalism and Diplomacy
HIST 5341C	Modern U.S. Diplomacy
HIST 5343	The Progressive Era
HIST 5344	History and Memory
HIST 5345D	Oral History: Theory & Practice
HIST 5345M	History of Utopian Communities
HIST 5345N	Transformation of the South
HIST 5345O	Immigration and US History
HIST 5345P	History of Mexican American Music in the Southwest
HIST 5345Q	Gender and Citizenship
HIST 5345R	History of Country Music
HIST 5345S	Theories and Methods in Popular Music History/ Culture Studies
HIST 5345T	Biography and American History
HIST 5346	African American History
HIST 5347	Texas History
HIST 5348	History of Texas Music
HIST 5350	The Frontier in American History
HIST 5351B	Cold War America
HIST 5351C	Race, Gender, and Ethnicity in American Labor History
HIST 5351D	Politics & Society of Postwar America, 1945-Present
HIST 5351F	US Women's History
HIST 5351H	US Latino/a History
HIST 5353	Greater Southwestern History
HIST 5358	Sectionalism & Slavery in the United States
HIST 5362	Military History
HIST 5363	Antebellum American Society & Culture
HIST 5366	Antebellum American History
HIST 5366B	The Old South, 1830-1860
HIST 5367	US Era of Civil War and Reconstruction
HIST 5369	Music and Social Movements
HIST 5381	Chinese Communism
HIST 5382	China and the Modern World
HIST 5385	Topics in the History of the Modern Middle East
HIST 5390	Problems in Historical Research
HIST 5395B	Modern Middle Eastern History
HIST 5395D	Interpretations of World History
HIST 5395E	Mahatma Gandhi in World History
HIST 5395H	European Colonialism
HIST 5395I	Global Cold War
May choose 6 hours of advisor-approved electives from outside the department	

Thesis

HIST 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
HIST 5199B	Thesis	
HIST 5299B	Thesis	
HIST 5399B	Thesis	
HIST 5599B	Thesis	
HIST 5999B	Thesis	
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in History: HIST

Courses Offered

History (HIST)

HIST 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5300. Foundation Studies in History.
Required as a condition of admission to the M.A. History program for otherwise qualified candidates lacking sufficient History background hours. In this course, students demonstrate necessary competency in History skills and methods to succeed in the program. This course does not earn graduate degree credit. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

HIST 5301. Instructional Methods Practicum for Graduate Assistants.
Required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

HIST 5307. Medieval European History: Contemporary Trends in Medieval Historiography.
This course introduces graduate students to the craft of the medieval historian, with emphasis on major contemporary shifts in American historiography of the European Middle Ages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5308E. Latin Literature and Roman History and Society.
A seminar based on the study of the most important Latin literary works from the 2nd century B.C. to the 2nd century A.D. No knowledge of Latin is necessary to take this seminar.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5308F. Roman History and Civilization: The "Golden Age" of Rome.
The history of Roman civilization (political, diplomatic, economic, social, cultural, etc.) from Augustus to Marcus Aurelius (27 B.C. – A.D. 180). The main focus will be to explain what made possible this exceptional period and why it lasted so long.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5308G. Warfare in the Ancient World.
A seminar on the nature, development, and historical significance of war in the Western World, from the Trojan War (end of the 13th century BC) to the fall of the Western Roman Empire and the establishment of Germanic kingdoms (5th century AD).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5309A. Interpreting the Eighteenth Century.
A seminar designed to analyze the methods that historians have used to interpret the meaning of various phenomena such as the Enlightenment, the nature of society, and the origins of the French Revolution.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5309D. Early Modern Spain.
A seminar based on selected topics in political, social, intellectual, and economic history of Spain from 1450 to 1815.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5310. Western European History Since 1815.
A seminar based on selected topics in the history of Western Europe from 1815 to the present. May be repeated with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIST 5313. Early American History.
A seminar based on selected topics in the Colonial Revolutionary and Early National periods of the United States history. May be repeated with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5314. Ethnohistory.
This seminar seeks to familiarize students with current questions, methods, theories, and debates in ethnohistory, a multidisciplinary approach to the history of indigenous peoples. Materials studied will include both classic and recent ethnohistorical works.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5315A. American Sexualities.
This course addresses the history of sexualities in the United States from the colonial era to present to shed light on the ways that sexuality has shaped social life, establish conventions, and created spaces to defy norms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5315B. Queer History: GLBT Histories in the United States.
This course examines the histories of different sexual minorities from the colonial era to present, though the majority of the course focuses on the twentieth century, to explore the rise of the modern lesbian, gay, bisexual, and transgender identities, politics, and culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5316A. Women's Rights in Comparative Perspective.
This course considers national, transnational, and global development of campaigns for women's rights since the nineteenth century. The course examines how women agitated for their rights in different cultural and historical moments. Students will gain familiarity with comparative feminisms, the gendered nature of liberal movements, and women's activism in national and international arenas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5316B. Women and Empire.
From 1492 until World War II the globe was dominated by imperialism. This course considers the ways that women, in the metropoles of Europe and throughout colonial settings, found their lives shaped by empire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5318A. Eighteenth Century England.
A seminar based on selected topics in political, social, intellectual, and economic history of England from 1688 to 1815. May be repeated with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5318C. The Age of the Stuarts.
A study of selected topics in English history between 1603 and 1714.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5318D. European Imperialism.
Europe's penchant for building empires helped to greatly enhance their influence (economic, political, and cultural) from the fifteenth to the twentieth century. The course will review the major European empires and discuss the extent of their influence during this 500 year span.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5319. The Age of the Tudors.
This readings-based course emphasizes differing interpretations of selected topics in English history from circa 1485 to 1603. Constitutional, political, governmental, social, religious, and cultural aspects of the era are covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5323A. Society and Culture in Brazil.
This seminar explores the social and cultural history of Brazil through its various ages, the "Age of Sugar", the "Age of Coffee", the "Age of Pedro II", the "Belle Epoque", and the worlds of the sugar and coffee barons. It explores the character of these ages marked by the grand plantation houses, devotion to European models, and the conflict with a slave society, covering the years from the colonial period to the turn of the twentieth century. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5323B. History of Race and Slavery in Brazil.
This course assesses the literature on race relations and slavery in Brazil. It situates the topic within a comparative, Atlantic framework and provides a critical understanding of the chief issues and debates in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324B. Race, Class, and Nation in Modern Latin America.
A seminar that examines the relationship between race, class, and nation building in Latin America, beginning with independence in the nineteenth century and continuing to contemporary times. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5324C. Slavery and Emancipation in the Americas.
This course examines slavery in the Americas in its full social, political, and economic context. Students will enlarge their understanding of slavery by using an international, transatlantic framework for comparison. The course strengthens analytical skills through extensive discussion as well as significant writing and research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324D. Writing the History of Latin America: The Colonial Era.
This readings seminar provides a critical assessment of the main themes and debates of colonial Latin American historiography. The course discusses the different paradigms under which historians have approached the cultures and societies of the region under Spanish and Portuguese rule, emphasizing on the latest trends and developments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324E. Modern Latin American Revolutions.
The course is a seminar that examines and compares the causes, consequences and results of Latin America's twentieth century revolutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5325A. History of Mexico to 1848.
A topic course studying the history of Mexico from pre-historic times to the Treaty of Guadalupe Hidalgo. The course encompasses the development of Indian societies from the Yucatan to the American Southwest preceding the Spanish conquest, the social, economic, and political development of Spanish colonial Mexico, the War in Independence, and the formation of the new nation through the war with the United States. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5325C. Revolutionary Mexico.
A graduate seminar that explores the interrelated economic, social, political, and cultural conditions and forces that shaped revolutionary Mexico. Ideological currents that impacted the period will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5325D. Mexico Since the Revolution.
This class is a Graduate Seminar covering the History of Post-Revolutionary Mexico. This course will explore the history of Mexico since the Revolution, including the social, cultural, and economic legacies of the Revolution, as well as the process of State building, one party rule, globalization, and the transition to democracy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5335. Twentieth-Century Russia.
A seminar based on selected topics in recent Russian history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5336. East European History.
A seminar based on selected topics in recent East European history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5341A. Early U.S. Diplomacy - Revolution to Reconstruction.
This course explores the philosophical, social historical, and legal aspects of the diplomatic relations of the United States, and development of the leading principles of foreign policy in the early American republic. This course assesses the literature on diplomacy and situates the topic within a comparative, Atlantic world framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5341B. Caribbean Transnationalism and Diplomacy.
This seminar focuses on the international relations of the twentieth-century Caribbean, with emphasis on interactions between Cuba, the Dominican Republic, Haiti, Jamaica, the United States, and Venezuela. Students will analyze the ways that international action and response in these countries have affected policy, government, and international social movements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5341C. Modern U.S. Diplomacy.
This course explores the philosophical, social historical, and legal aspects of the diplomatic relations of the United States, and the development of leading principles of foreign policy in the twentieth and twenty-first centuries. This course assesses the literature on diplomacy and situates the topic within a comparative, transnational framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5343. The Progressive Era.
This course is a seminar on the rise of industrial capitalism and corporate power and the public response to the related restructuring of the social and economic order between 1890 and 1920, with particular emphasis on the strengths and weaknesses of progressivism as a democratic movement for reform.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5344. History and Memory.
This course examines the way that groups shape the the collective memory of past events, how memory shifts over time, and the way it can be influenced by present influences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5345D. Oral History: Theory & Practice.
A seminar based upon developing a theoretical and practical understanding of the techniques of oral historical research and document preservation and presentation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345M. History of Utopian Communities.
This seminar examines utopian experiments in American History. Starting with John Winthrop's 1630 "City upon a Hill," the course explores both religious and secular communal ventures through the eighteenth and nineteenth centuries. The course concludes with an examination of counter-cultural, twentieth-century communes, intentional communities, and cultic separatists.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345N. Transformation of the South.
This course is a readings research seminar on African-American culture and life in the twentieth century South from 1890-1971. The course provides the students with a thorough historical examination through biographies and community studies of specific issues and events that ended legal segregation in the South.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345O. Immigration and US History.
This course focuses on North American immigration history from colonial times to the present and looks at how both immigrants and native-born Americans struggled to reconcile conflicting notions of identity and national loyalty.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345P. History of Mexican American Music in the Southwest.
This class will introduce students to the musical history of Islamic Spain, Spanish Colonial Mexico, and Mexico and investigate the influences of these traditions on the development of Mexican-American music in the American Southwest.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345Q. Gender and Citizenship.
This course is designed to introduce students to the literature in United States history that addresses issues of gender and how they relate to US citizenship from the colonial period to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345R. History of Country Music.
This seminar traces the various ethnic, social, cultural, political, economic, and demographic forces in American society that have helped shape country music. Students will also explore how this uniquely American cultural idiom mirrors the historical evolution of the United States.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345S. Theories and Methods in Popular Music History/Culture Studies.
This is a course in the theories and methods of cultural studies and popular music history for graduate students. It is intended to review the history of debates and methodologies in the field to prepare students to do original work that fits into the larger conversations in popular music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345T. Biography and American History.
In this class students will delve into the practice of biography and the ways in which biographers convey American history and culture through a life story.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5346. African American History.
This course is an intensive readings and research seminar in African American History. Through the uses of lectures, biographies, institutional histories and community studies, students will be introduced to the different interpretive themes and methodologies that have created the myriad of historical interpretations and reinterpretations of African American History. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

HIST 5347. Texas History.
A seminar based on selected topics in the history of Texas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5348. History of Texas Music.
This course examines the evolution of music in Texas and the American Southwest from pre-Colombian times to the present, with an emphasis on how music reflects the ethnically diverse history and culture of the region.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5350. The Frontier in American History.
A seminar based on selected topics in the history of the frontier in American development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5351B. Cold War America.
This course examines the Cold War years 1945 to 1960, concentrating on the domestic scene. The class will discuss the major issues of domestic politics, society, and culture, through the use of both primary and secondary sources. They will also examine the historiography of the period.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351C. Race, Gender, and Ethnicity in American Labor History.
This graduate seminar explores the impact of race, gender, and ethnicity upon American Labor History. Readings integrate race, gender, and ethnicity as categories of analysis into the study of class formation, experiences, and consciousness within the American labor force. The focus will be on unorganized as well as organized workers in the context of their social, cultural, political, and workplace environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5351D. Politics & Society of Postwar America, 1945-Present.
This course will explore the interaction of political, economic, and social forces in the years following the Second World War. Emphasis will be placed on analyzing the interdependent relationship between political structures, social movements, and economic circumstances.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351E. Foundations of the U.S. Conservation Movement.
The course will provide an overview of the conservation movement from the writings of Henry David Thoreau to publication of Rachel Carson's Silent Spring. Emphasis will be on social and cultural influences, with particular attention to government programs, naturalist literature, activism, movement leaders, and landmarks of environmental debate.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351F. US Women's History.
This course offers graduate students an introduction in the topics, themes, and issues that animate the history of women in the US.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5351H. US Latino/a History.
This course explores the histories, cultures, and politics that shape Latino/a experiences in the United States and examines the way Latino communities helped shape the making of the nation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5353. Greater Southwestern History.
A seminar based on selected topics in the history of the Greater American Southwest.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5357. The Gilded Age.
A seminar based on selected topics in late nineteenth-century American history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5358. Sectionalism & Slavery in the United States.
This course assesses the literature on the causes and consequences of the sectional conflict between the American North and the South before the Civil War, with particular focus on works examining the slavery issue and the way it exacerbated American sectionalism, leading to the fracturing of the American nation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5361. Historiography and Methods.
A general introduction to key concepts, approaches, and challenges involved in reading, researching, and writing history at the professional level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5362. Military History.
This seminar is based on selected topics in military history. May be repeated with different emphases up to nine hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5363. Antebellum American Society & Culture.
This seminar explores the cultural dynamics, social relations, and political and economic structures that shaped the lives of ordinary Americans in the three decades before the Civil War.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5366B. The Old South, 1830-1860.
Readings will enable students to understand the Old South's economic, political, and cultural development and the development of differing interpretations and schools of thought about Old South history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5367. US Era of Civil War and Reconstruction.
A seminar that examines the history of the causes, course, and consequences of the American Civil War and the efforts to reconstruct the American Nation in its aftermath.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5369. Music and Social Movements.
This course examines the historical role music has played in a variety of social movements related to race, gender, ethnicity, religion, politics, economics, education, labor, civil rights, and other issues in U.S. history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5371. The Practice of Public History.
A seminar addressing the definition, evolution, and philosophy of public history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5372. The Practice of Museum Studies and Material Culture.
A seminar addressing the history, organization, and functions of history museums.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5373. The Practice of Historic Preservation.
A seminar addressing architectural history and preservation theory and practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5374. Public History Internship.
Application of skills in public history in an on-the job setting. Internships will be selected by the student and instructor, and will be supervised by the instructor. May be repeated once for additional credit.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5375A. Documentary Film.
The use of film & video in public programming; research & produce documents.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375B. Archival Management.
A seminar based on the history, theory, and practice or archival management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375C. Cultural Resource Management.
This seminar addresses the management of cultural resources such as historic buildings, historic sites, and other tangible remains of our heritage. It explores how cultural resources are preserved and managed under federal and state law, and the nature of the regulatory practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375D. Material Culture in America.
This course examines the interactions between people and things in American society. The ways in which Americans have created, used, altered, and thought about material objects help us to understand history. Readings and research will focus on the values and attitudes embodied in the production, use, and preservation of objects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375E. Management & Administration in Historical Organizations.
This course provides an introduction to the non-profit based management, leadership, and administration issues and practices for historical organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375F. Education Programs in Historical/Cultural Institutions.
This course will study the role of education programs as primary to the missions of historical and cultural institutions and will explore how institutions create and evaluate formal and informal education programs and materials for a variety of audiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375H. Historic Preservation in East Asia.
Participants will explore various approaches to the conservation of the built environment in a range of East Asian societies through in-depth readings and participant-directed projects concerning Japan, Korea, Hong Kong, Singapore, Vietnam, and China. We will compare these approaches to typical western patterns of preservation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375I. Heritage in a Global Context.
Heritage management is the interdisciplinary approach to the preservation, protection, and public use of the historical record. This course examines definitions and approaches within a global context. Theory and practice will be analyzed through case studies and real world examples. Current issues, sustainability and maritime issues/practices will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375J. American Architectural History.
This course will analyze the historical development of American architecture, and examine architecture as evidence of America's cultural, social, economic, and technological evolution from 1607 to the present. Focus will be placed on the role of historic American architecture in the practice of public history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375K. Evaluating HIstoric Sites.
Every year millions of tourists flock to historic sites desiring to commune with "real" history, to "feel" the past. This course will introduce students to methods that scholars use to examine critically the interpretation of history at these sites without discounting the emotional connection to place that many visitors experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375L. Controversy and History.
This seminar explores how controversy, power relations, and politics are embedded in the practice of public history. It is designed to help the future practitioner navigate the complex political landscape of public history. This course is informed by the professor's experience as a consultant and federal historian.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375M. Writing for Public History.
This will be a course intensively focused on research and writing specifically for public history audiences through a variety of venues: journal articles, magazine/newspaper articles, brochures, promotional literature, personal essays, historical markers, reviews, websites, cultural resource management "gray literature," and professional papers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375N. Digital History.
Students will study the history of print and digital media to better understand the practice of digital history. They will be introduced to a variety of digital approaches to the study of history, and they will produce and contribute to a variety of digital projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375O. Records Management & Institutional Archives.
This course will introduce students to the principles and theories in records management and institutional archives. It will provide practical experience creating a records retentions schedule, researching retention requirements and best practices, appraising records with enduring value, and establishing archival series to accommodate ongoing acquisition of institutional records.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375P. The Family and Child in History and Heritage.
This course examines the historical development of the family and childhood using academic family history methods and public approaches to family heritage. It examines differing experiences of ancestors and concepts of family and childhood over time by race, class, and gender, reflecting shifts in culture, economy, and power relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5376. Local and Community History.
A seminar applying historical methods to the study of U.S. communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5377. Public History Project.
A team project focusing on one or more aspects of public history-museum exhibit, historic site interpretation, historic resources survey, etc. Repeatable with a different emphasis.
3 Credit Hours. 1 Lecture Contact Hour. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5379A. Public History Final Master's Project.
This course will be the initial development of an individualized, advanced student project in cooperation with a client or host institution, focused on any one or a combination of the public history areas of historic preservation, archives, oral history, museums, local and community history or cultural resource management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5379B. Public History Final Master's Project.
This course, to be taken during the last year of the Public History program, is the continuation of an individualized, advanced student project focused on any one or a combination of the public history areas of historic preservation, archives, oral history, museums, local and community history or cultural resource management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5381. Chinese Communism.
The Chinese Communist movement from 1919 to the present. Will focus on (1) urban and rural aspects of Chinese Communism; (2) the rise to power of the Chinese Communist Party on mainland China in 1949; and (3) the construction of the Party-State and Socialism in the People's Republic of China.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5382. China and the Modern World.
This course examines Chinese relations with the modern world from 1800 to the present, focusing on the external aggression and internal transformation between 1839 and 1945; the split into two Chinas in 1949; the mainland China/Taiwan developments, interactions between the two Chinese governments and among the world community since then.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5385. Topics in the History of the Modern Middle East.
A seminar based on selected topics from current histories of the Middle East during the 19th and 20th centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIST 5390. Problems in Historical Research.
This course is open to graduate students on an individual basis by arrangement with the department. May be repeated with the approval of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5395B. Modern Middle Eastern History.
A seminar based on selected topics in the modern history of the Muslim Middle East.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395D. Interpretations of World History.
A survey of world history that focuses on Western civilization as the catalyst of change in world history since the tenth century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395E. Mahatma Gandhi in World History.
In this course students explore how writers have narrated Gandhi's life and interpreted his historical role. Students will research aspects of Gandhi's life using primary sources. The focus of the course will be the study of material left out of histories on Gandhi and reasons for omitted material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395H. European Colonialism.
This seminar examines the variety of European imperial and colonial experiences around the world from ancient to modern times through selected primary sources and historical literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395I. Global Cold War.
This seminar will survey literature characteristic of the "new" Cold War historiography, and introduce students to primary sources available at Alkek required to write valuable original work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5398. General Research Seminar.
A seminar designed to enhance research and writing skills in history. May be repeated for credit as topic varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in History 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Minor in History

The graduate minor in History requires 12 semester credit hours of advisor-approved History courses. Minors should have completed at least 18 hours of undergraduate History courses with a GPA of 3.0 or higher (4.0 scale).

Certificate in Public History Studies

Program Overview

The certificate program provides practicing public historians and history educators with the opportunity to advance their skills and knowledge. Students gain practical skills and knowledge through the Center for Texas Public History projects while partnerships and interdisciplinary cooperative agreements provide additional resources that enhance each student's experience.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $20 nonrefundable application fee

  or

- $60 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts required from **each institution** where course credit was granted
- minimum 2.5 GPA in the last 60 hours of undergraduate course work
- minimum 3.0 GPA in all completed graduate course work (if applicable)
- GRE not required
- brief statement of speaking and reading foreign language competencies
- resume/CV
- statement of purpose
- two letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

The graduate certificate in Public History Studies requires 15 semester credit hours.

Course Requirements

Code	Title	Hours
HIST 5371	The Practice of Public History	3
Public History Electives		
Choose 12 hours from the following:		12
HIST 5345D	Oral History: Theory & Practice	
HIST 5372	The Practice of Museum Studies and Material Culture	
HIST 5373	The Practice of Historic Preservation	
HIST 5375A	Documentary Film	
HIST 5375B	Archival Management	
HIST 5375C	Cultural Resource Management	
HIST 5375F	Education Programs in Historical/Cultural Institutions	
HIST 5375G		
HIST 5376	Local and Community History	
HIST 5377	Public History Project	
Total Hours		15

Center for International Studies

Derrick Hall Room 101
T: 512.245.2339 F: 512.245.7857
http://www.txstate.edu/internationalstudies

The Center for International Studies is devoted to understanding and appreciating the rich cultural, political, and social differences of the world. Our mission is to provide quality interdisciplinary education about international affairs in order that graduates will be equipped for careers in the public and private sectors and for further professional education. Students will be prepared with the necessary research and writing skills to pursue careers in law, diplomacy, international affairs, and graduate level education in the International Studies Program at Texas State.

Learning Outcomes

- Students will demonstrate knowledge of an interdisciplinary perspective, global issues, global processes, global trends, global systems, and foreign policy constants.
- Students will demonstrate oral and written communication skills in international studies with a focus on international business, foreign policy, or travel and tourism.

- Students will demonstrate the ability to analyze an international relations problems.
- Students will demonstrate the ability to conduct research on international relations problems quickly and intelligibly.
- Students will demonstrate understanding of their culture in a global and comparative context.

Master of Arts (M.A.)

- Major in International Studies (Non-thesis Option) (http://mycatalog.txstate.edu/graduate/liberal-arts/center-international-studies/ma)
- Major in International Studies (Thesis Option) (http://mycatalog.txstate.edu/graduate/liberal-arts/center-international-studies/thesis-ma)

Master of Arts (M.A.) Major in International Studies (Non-thesis Option)

Major Program

The Master of Arts (M.A.) degree with a major in International Studies is an interdisciplinary program that prepares students for work and leadership in an interdependent world. Through training in area studies, technology information training, oral and written communication skills, and business acumen, the program aims to develop leaders for business, government, military, education, non-profit organizations, and international institutions that are collectively facing an increasingly interdependent world where cultural diversity is a reality and the need to appreciate and value such heterogeneity is a prerequisite to global peace and prosperity.

Paul D. Coverdell Fellows Program

The Coverdell Fellowship Program for returned Peace Corps volunteers is currently available for returned volunteers pursuing the master's degree in International Studies at the Center for International Studies.

Financial Assistance

A limited number of fellowships and scholarships are available to qualified graduate students. Departmental fellowships and scholarships are listed on the Center for International Studies website: http://www.txstate.edu/internationalstudies. The Graduate College can provide further information about scholarships.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- background course work: a passing grade in at least 6 hours in introductory (principles of) microeconomics and macroeconomics courses (can be taken prior to the start of the program or concurrently with first year courses) at a regionally accredited college or university
- proficiency in the speaking, reading, and oral comprehension of a modern language other than English as demonstrated by the following:
  - grade of B or better in modern language course work beyond the second year that was taken within the last three years at an accredited college, university, or language institute
  - examination for proficiency levels in reading, speaking, and listening that would place the student beyond the second year of language courses*
  - recent foreign living experience of at least six continuous months in a single non-English-speaking culture outside the U.S.
- GRE not required*
- resume/CV
- statement of purpose (2–5 pages) describing the following:
  - the reasons for considering the international studies program
  - how it fits into a process of professional development
  - what the student hopes to accomplish by enrolling in the program
- two letters of recommendation from professors

Coverdell Applicants Requirements

- completed online application
- baccalaureate degree from a regionally accredited university
- official transcripts from each institution where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- background course work: a passing grade in at least 6 hours in introductory (principles of) microeconomics and macroeconomics courses (can be taken prior to the start of the program or concurrently with first year courses) at a regionally accredited college of university
- proficiency in the speaking, reading, and oral comprehension of a modern language other than English as demonstrated by the following:
  - grade of B or better in modern language course work beyond the second year that was taken within the last three years at an accredited college, university, or language institute
  - examination of proficiency levels in reading, speaking, and listening that would place the student beyond the second year of language courses*
  - recent foreign living experience of at least 6 continuous months in a single non-English-speaking culture outside the U.S.
- GRE not required*
- official Peace Corps description of service (application fees will be waived upon receipt)

- resume/CV listing Peace Corps Service
- statement of purpose (2–5 pages) describing the following:
  - the reasons for considering the international studies program
  - how it fits into a process of professional development
  - what the student hopes to accomplish by enrolling in the program
  - Peace Corps service
- two letters of recommendation from professors

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

***Additional Information**
GPA and GRE Requirement
If the last-60-hours GPA falls between 2.8–2.99, the student may submit the following:

- official GRE (general test only) scores with competitive scores

Foreign Language Proficiency Requirement
If the last language course was taken more than three years before the date of admission, and there has been no significant involvement in the language in the interim, the student may be asked to take a refresher course(s) in the language.

Degree Requirements

The Master of Arts (M.A.) degree with a major in International Studies requires 36 semester credit hours, including an internship. It is expected that students entering the program have a passing grade in introductory (principles of) microeconomics and macroeconomics at an accredited college or university. The economics courses can be taken after admission.

Course Requirements

Code	Title	Hours
Required Courses		
Choose 3 hours from the following:		3
HIST 5335	Twentieth-Century Russia	
HIST 5362	Military History	
HIST 5395B	Modern Middle Eastern History	
HIST 5395D	Interpretations of World History	
HIST 5395E	Mahatma Gandhi in World History	
HIST 5395H	European Colonialism	
Choose 9 hours from the following:		9
PS 5332	Problems in American Foreign Relations	
PS 5356	The British Political Order Since 1900	
PS 5357	Russian Politics and Josef Stalin	
PS 5358	Civil-Military Relations in Comparative Perspective	
PS 5361	Government and Politics of African States	
PS 5375	Seminar in International Relations Theory	
PS 5377	Problems in International Organizations	
PS 5378	Problems in International Law	
PS 5379	Problems in International Political Economy	
PS 5398	Directed Reading and Research	
Internship		
IS 5387	International Studies Internship	3
Electives		
Choose 21 hours from the following:		21
ANTH 5314	Latin American Cultures	
ANTH 5322	Peoples and Cultures of Africa	
ANTH 5345	Archaeology of Mexico	
COMM 5325	Seminar in Human Communication Theory	
DVST 5320	Global Issues in Diversity	
ECO 5310	International Economics	
ECO 5320	Emerging Market Economies	
ENG 5311	Foundations in Technical Communication	
ENG 5313	Studies in Principles of Technical Communication	
ENG 5314	Specializations in Technical Communication	
ENG 5383	Studies in Rhetorical Theory	
FIN 5337	International Finance	
GEO 5349	Population Geography	
GEO 5380	Internship	
GEO 5390	Independent Study	
HIST 5308E	Latin Literature and Roman History and Society	
HIST 5308F	Roman History and Civilization: The “Golden Age” of Rome	
HIST 5308G	Warfare in the Ancient World	
HIST 5309A	Interpreting the Eighteenth Century	
HIST 5309D	Early Modern Spain	
HIST 5310	Western European History Since 1815	
HIST 5313	Early American History	
HIST 5318A	Eighteenth Century England	
HIST 5318C	The Age of the Stuarts	
HIST 5318D	European Imperialism	
HIST 5323A	Society and Culture in Brazil	
HIST 5323B	History of Race and Slavery in Brazil	
HIST 5324B	Race, Class, and Nation in Modern Latin America	
HIST 5324C	Slavery and Emancipation in the Americas	
HIST 5324D	Writing the History of Latin America: The Colonial Era	
HIST 5324E	Modern Latin American Revolutions	
HIST 5325A	History of Mexico to 1848	
HIST 5325C	Revolutionary Mexico	
HIST 5325D	Mexico Since the Revolution	
HIST 5335	Twentieth-Century Russia	
HIST 5336	East European History	
HIST 5341A	Early U.S. Diplomacy - Revolution to Reconstruction	
HIST 5345D	Oral History: Theory & Practice	
HIST 5345M	History of Utopian Communities	

HIST 5345N	Transformation of the South
HIST 5345O	Immigration and US History
HIST 5345P	History of Mexican American Music in the Southwest
HIST 5345Q	Gender and Citizenship
HIST 5345R	History of Country Music
HIST 5345S	Theories and Methods in Popular Music History/ Culture Studies
HIST 5351B	Cold War America
HIST 5351C	Race, Gender, and Ethnicity in American Labor History
HIST 5351D	Politics & Society of Postwar America, 1945-Present
HIST 5351E	Foundations of the U.S. Conservation Movement
HIST 5351F	US Women's History
HIST 5361	Historiography and Methods
HIST 5381	Chinese Communism
HIST 5385	Topics in the History of the Modern Middle East
HIST 5390	Problems in Historical Research
HIST 5395B	Modern Middle Eastern History
HIST 5395D	Interpretations of World History
HIST 5395E	Mahatma Gandhi in World History
HIST 5395H	European Colonialism
IS 5387	International Studies Internship
IS 5398	General Research Methods
MC 5301	Mass Media and Society
MC 5302	Research Methods in Mass Communication
MC 5303	Theories of Mass Communication
MC 5310	Global Media Issues
MC 5321	Latinos and Media
MKT 5322	Marketing Research Methods
MKT 5330	International Marketing
PHIL 5301	Applied Philosophy
PA 5352	Comparative Public Administration
PS 5310	Studies in Ancient and Medieval Political Thought
PS 5330A	Nuclear Weapons in International Politics
PS 5332	Problems in American Foreign Relations
PS 5356	The British Political Order Since 1900
PS 5357	Russian Politics and Josef Stalin
PS 5358	Civil-Military Relations in Comparative Perspective
PS 5377	Problems in International Organizations
PS 5380	International Conflict and Security
PS 5398	Directed Reading and Research
SOCI 5320	Seminar in Demography
SOCI 5371	Directed Study
SOCI 5390	Seminar in Globalization and Development
TECH 5310	Product Design and Development
TECH 5315	Engineering Economic Analysis
TECH 5364	Robust Product and Process Design
TECH 5382	Sustainability in Industrial Management
TECH 5384	Problems in Technology
TECH 5385	Readings in Technology
Total Hours	36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in International Studies: IS

Courses Offered

International Studies (IS)

IS 5387. International Studies Internship.
A work/research experience in a government agency or company related to the students' career interests. The internship will consist of a minimum of 150 hours in the workplace and will require a research paper. This course may be repeated once for additional internship credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

IS 5398. General Research Methods.
The principal purpose of the General Research Methods seminar is to prepare students to successfully produce research papers and/or theses. Students in this course will produce a research paper using primary and secondary source materials.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Arts (M.A.) Major in International Studies (Thesis Option)

Major Program

The Master of Arts (M.A.) with a major in International Studies is an interdisciplinary program that prepares students for work and leadership in an interdependent world. Through training in area studies, technology information training, oral and written communication skills, and business acumen, the program aims to develop leaders for business, government, military, education, non-profit organizations, and international institutions that are collectively facing an increasingly interdependent world where cultural diversity is a reality and the need to appreciate and value such heterogeneity is a prerequisite to global peace and prosperity.

Paul D. Coverdell Fellows Program

The Coverdell Fellowship Program for returned Peace Corps volunteers is currently available for returned volunteers pursuing the master's degree in International Studies at the Center for International Studies.

Financial Assistance

A limited number of fellowships and scholarships are available to qualified graduate students. Departmental fellowships and scholarships are listed on the Center for International Studies website: http://www.txstate.edu/internationalstudies. The Graduate College can provide further information about scholarships.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- background course work: a passing grade in at least 6 hours in introductory (principles of) microeconomics and macroeconomics courses (can be taken prior to the start of the program or concurrently with first year courses) at a regionally accredited college or university
- proficiency in the speaking, reading, and oral comprehension of a modern language other than English as demonstrated by the following:
  - grade of B or better in modern language course work beyond the second year that was taken within the last three years at an accredited college, university, or language institute.
  - examination for proficiency levels in reading, speaking, and listening that would place the student beyond the second year of language courses*
  - recent foreign living experience of at least six continuous months in a single non-English-speaking culture outside the U.S.
- GRE not required*
- resume/CV
- statement of purpose (2–5 pages) describing the following:
  - the reasons for considering the international studies program
  - how it fits into a process of professional development
  - what the student hopes to accomplish by enrolling in the program
- two letters of recommendation from professors

Coverdell Applicants Requirements

- completed online application
- baccalaureate degree from a regionally accredited university
- official transcripts from each institution where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- background course work: a passing grade in at least 6 hours in introductory (principles of) microeconomics and macroeconomics courses (can be taken prior to the start of the program or concurrently with first year courses) at a regionally accredited college of university
- proficiency in the speaking, reading, and oral comprehension of a modern language other than English as demonstrated by the following:
  - grade of B or better in modern language course work beyond the second year that was taken within the last three years at an accredited college, university, or language institute
  - examination of proficiency levels in reading, speaking, and listening that would place the student beyond the second year of language courses*
  - recent foreign living experience of at least 6 continuous months in a single non-English-speaking culture outside the U.S.
- GRE not required*
- official Peace Corps description of service (application fees will be waived upon receipt)
- resume/CV listing Peace Corps Service
- statement of purpose (2–5 pages) describing the following:
  - the reasons for considering the international studies program
  - how it fits into a process of professional development
  - what the student hopes to accomplish by enrolling in the program
  - Peace Corps service
- two letters of recommendation from professors

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

***Additional Information**

GPA and GRE Requirement
If the last-60-hours GPA falls between 2.8–2.99, the student may submit the following:

- official GRE (general test only) scores with competitive scores

Foreign Language Proficiency Requirement
If the last language course was taken more than three years before the date of admission, and there has been no significant involvement in the language in the interim, the student may be asked to take a refresher course(s) in the language.

Degree Requirements

The Master of Arts (M.A.) degree with a major in International Studies requires 30 semester credit hours, including a thesis. It is expected that students entering the program have a passing grade in introductory (principles of) microeconomics and macroeconomics at an accredited college or university. The economics courses can be taken after admission.

Course Requirements

Code	Title	Hours
Required Courses		
Choose 3 hours from the following:		3
HIST 5335	Twentieth-Century Russia	
HIST 5362	Military History	
HIST 5395B	Modern Middle Eastern History	
HIST 5395D	Interpretations of World History	
HIST 5395E	Mahatma Gandhi in World History	
HIST 5395H	European Colonialism	
Choose 9 hours from the following:		9
PS 5332	Problems in American Foreign Relations	
PS 5356	The British Political Order Since 1900	
PS 5357	Russian Politics and Josef Stalin	
PS 5358	Civil-Military Relations in Comparative Perspective	
PS 5361	Government and Politics of African States	
PS 5375	Seminar in International Relations Theory	
PS 5377	Problems in International Organizations	
PS 5378	Problems in International Law	
PS 5379	Problems in International Political Economy	
PS 5398	Directed Reading and Research	
Electives		
Choose 12 hours from the following:		12
ANTH 5314	Latin American Cultures	
ANTH 5322	Peoples and Cultures of Africa	
ANTH 5345	Archaeology of Mexico	
COMM 5325	Seminar in Human Communication Theory	
DVST 5320	Global Issues in Diversity	
ECO 5310	International Economics	
ECO 5320	Emerging Market Economies	
ENG 5311	Foundations in Technical Communication	
ENG 5313	Studies in Principles of Technical Communication	
ENG 5314	Specializations in Technical Communication	
ENG 5383	Studies in Rhetorical Theory	
FIN 5337	International Finance	
GEO 5349	Population Geography	
GEO 5380	Internship	
GEO 5390	Independent Study	
HIST 5308E	Latin Literature and Roman History and Society	
HIST 5308F	Roman History and Civilization: The “Golden Age” of Rome	
HIST 5308G	Warfare in the Ancient World	
HIST 5309A	Interpreting the Eighteenth Century	
HIST 5309D	Early Modern Spain	
HIST 5310	Western European History Since 1815	
HIST 5313	Early American History	
HIST 5318A	Eighteenth Century England	
HIST 5318C	The Age of the Stuarts	
HIST 5318D	European Imperialism	
HIST 5323A	Society and Culture in Brazil	
HIST 5323B	History of Race and Slavery in Brazil	
HIST 5324B	Race, Class, and Nation in Modern Latin America	
HIST 5324C	Slavery and Emancipation in the Americas	
HIST 5324D	Writing the History of Latin America: The Colonial Era	
HIST 5324E	Modern Latin American Revolutions	
HIST 5325A	History of Mexico to 1848	
HIST 5325C	Revolutionary Mexico	
HIST 5325D	Mexico Since the Revolution	
HIST 5335	Twentieth-Century Russia	
HIST 5336	East European History	
HIST 5341A	Early U.S. Diplomacy - Revolution to Reconstruction	
HIST 5345D	Oral History: Theory & Practice	
HIST 5345M	History of Utopian Communities	
HIST 5345N	Transformation of the South	
HIST 5345O	Immigration and US History	
HIST 5345P	History of Mexican American Music in the Southwest	
HIST 5345Q	Gender and Citizenship	
HIST 5345R	History of Country Music	
HIST 5345S	Theories and Methods in Popular Music History/ Culture Studies	
HIST 5351B	Cold War America	
HIST 5351C	Race, Gender, and Ethnicity in American Labor History	
HIST 5351D	Politics & Society of Postwar America, 1945-Present	
HIST 5351E	Foundations of the U.S. Conservation Movement	
HIST 5351F	US Women's History	
HIST 5361	Historiography and Methods	
HIST 5381	Chinese Communism	
HIST 5385	Topics in the History of the Modern Middle East	
HIST 5390	Problems in Historical Research	
HIST 5395B	Modern Middle Eastern History	
HIST 5395D	Interpretations of World History	
HIST 5395E	Mahatma Gandhi in World History	
HIST 5395H	European Colonialism	
IS 5387	International Studies Internship	
IS 5398	General Research Methods	
MC 5301	Mass Media and Society	
MC 5302	Research Methods in Mass Communication	
MC 5303	Theories of Mass Communication	
MC 5310	Global Media Issues	
MC 5321	Latinos and Media	
MKT 5322	Marketing Research Methods	
MKT 5330	International Marketing	
PHIL 5301	Applied Philosophy	
PA 5352	Comparative Public Administration	
PS 5310	Studies in Ancient and Medieval Political Thought	
PS 5330A	Nuclear Weapons in International Politics	
PS 5332	Problems in American Foreign Relations	
PS 5356	The British Political Order Since 1900	
PS 5357	Russian Politics and Josef Stalin	
PS 5358	Civil-Military Relations in Comparative Perspective	

PS 5377	Problems in International Organizations	
PS 5380	International Conflict and Security	
PS 5398	Directed Reading and Research	
SOCI 5320	Seminar in Demography	
SOCI 5371	Directed Study	
SOCI 5390	Seminar in Globalization and Development	
TECH 5310	Product Design and Development	
TECH 5315	Engineering Economic Analysis	
TECH 5364	Robust Product and Process Design	
TECH 5382	Sustainability in Industrial Management	
TECH 5384	Problems in Technology	
TECH 5385	Readings in Technology	
Thesis		
HIST 5399A	Thesis	3
Choose a minimum of 3 hours from the following: [1]		3
HIST 5199B	Thesis	
HIST 5299B	Thesis	
HIST 5399B	Thesis	
HIST 5599B	Thesis	
HIST 5999B	Thesis	
Total Hours		30

[1] International studies students may choose thesis courses in GEO, HIST, MC, SOCI, or SPAN.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.

2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in International Studies: IS

Courses Offered

International Studies (IS)

IS 5387. International Studies Internship.
A work/research experience in a government agency or company related to the students' career interests. The internship will consist of a minimum of 150 hours in the workplace and will require a research paper. This course may be repeated once for additional internship credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

IS 5398. General Research Methods.
The principal purpose of the General Research Methods seminar is to prepare students to successfully produce research papers and/or theses. Students in this course will produce a research paper using primary and secondary source materials.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Department of Philosophy

Comal Building Room 102
Telephone: 512-245-2285 Fax: 512-245-8335
http://www.txstate.edu/philosophy

The graduate program, including the M.A. in Applied Philosophy and Ethics (MAAPE) and the Graduate Certificate in Professional Ethics, is central to the mission of the Philosophy Department and to our vision of its future. The MAAPE is a new and flourishing program, with over sixty students receiving their MA during its first six years, The MAAPE has become nationally and internationally competitive, attracting students from Arizona, Maine, Maryland, Georgia, California, Mexico, and Bangladesh, as well as from Texas.

We conceived of Applied Philosophy as philosophy engaged with other disciplines and the affairs and concerns of contemporary life. In research and in teaching the department emphasizes the relevance of philosophy to technology and engineering; mathematics, computer science, and disciplines in natural sciences; medicines; the social sciences; public policy; the humanities and arts; law; and everyday life. The Department has interdisciplinary ties through the participation of facutly members in the Honors College, the Center for Diversity and Gender Studies, the program in International Studies, the Certified Public Manager program, the PhD in Materials Science, Engineering, and Commercialization, Physics, and Sustainability Studies. Additionally,y the Department houses a growing program for research in, and teaching of, Responsible Conduct of Research Program.

The M.A. in Applied Philosophy and Ethics prepares students to apply successfully for admission to Ph.D. granting departments (in philosophy and other disciplines), to teach in 2-year colleges and high schools, and to enter professions in business, nonprofits, and public agencies through a strong grounding in philosophy and in the analysis and application of ethical theories in professional and community settings. By fostering a love of learning, an appreciation of the value of critical and reflective thinking, and a collaborative intellectual community; we help prepare our students to become engaged, reflective citizens and lifelong learners while preparing them for graduate study or careers in government, law, the non-profit sector, business, or education.

Master of Arts (M.A.)

- Major in Applied Philosophy and Ethics (Non-thesis Option) (p. 2152)
- Major in Applied Philosophy and Ethics (Thesis Option) (p. 2156)

Minor

- Philosophy (p. 2161)

Certificate

- Professional Ethics (p. 2161)

Master of Arts (M.A.) Major in Applied Philosophy and Ethics (Non-thesis Option)

Dialogue, essential to any practical application of philosophy, is at the heart of the applied philosophy and ethics (MAAPE) program. Students apply theory by participating in the Department of Philosophy's Dialogue Series. The series includes student and faculty presenters from all eight colleges on campus, as well as speakers from off campus.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic

year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- statement of purpose (one page)
- two letters of recommendation
- writing sample

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Arts (M.A.) degree with a major in Applied Philosophy and Ethics requires 33 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
PHIL 5301	Applied Philosophy	3
PHIL 5302	Dialogue	3
PHIL 5320	History of Ethics	3
Electives		
Choose 18 hours from the following:		18
PHIL 5101	Responsible Conduct of Research and Research Ethics	
PHIL 5303	Philosophy of Technology	
PHIL 5304	Philosophy of Language	
PHIL 5305	Philosophical Writing	
PHIL 5329	Food Ethics	
PHIL 5340	Philosophical Logic	
PHIL 5314	American Philosophy	
PHIL 5322	Professional Ethics	
PHIL 5323	Environmental Ethics	
PHIL 5324	Meaning of Life	
PHIL 5325	Philosophy of Sex and Love	
PHIL 5326	Philosophy and Sport	
PHIL 5327	Medical Ethics and Bio-ethics	
PHIL 5328	Major Work or Theme in Ethics	
PHIL 5351	Philosophy of Education	
PHIL 5355	Philosophical Theory of Science	
PHIL 5356	Philosophical Theory of Knowledge	
PHIL 5360A	Ethics and Dementia	
PHIL 5360B	Moral Psychology	
PHIL 5360C	Philosophy, Nonviolence, Sustainability, and Social Change	
PHIL 5361A	Philosophy of Biology	
PHIL 5361B	Philosophy of the Human Sciences	
PHIL 5361C	Philosophy of Emotion	
PHIL 5362A	Analytic Philosophy	
PHIL 5362B	19th Century Philosophy	
PHIL 5363A	Philosophy and Science Fiction	
PHIL 5373	Themes in Africana Philosophy	
PHIL 5388	Problems in Philosophy	
PHIL 5395	Internship in Applied Philosophy	
Free Electives		
Choose 6 hours of advisor-approved electives outside the department.		6
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Philosophy: PHIL

Courses Offered

Philosophy (PHIL)

PHIL 5100. Practicum in Teaching Philosophy.
This course orients Instructional Assistants to the principles of teaching philosophy responsibly. Topics include grades, evaluation of written work, classroom management, academic values, and teaching style. This course is required for all new Instructional Assistants in Philosophy. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHIL 5101. Responsible Conduct of Research and Research Ethics.
In this course students will examine issues, concepts, and cases in research ethics and the responsible conduct of research. Designed to meet NSF and NIH requirements for training, topics will include research integrity, conflicts of interest, authorship, peer review, human and animal experimentation, mentorship, data, and values in science. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHIL 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5301. Applied Philosophy.
Practical application of methods and teaching of philosophy to such major areas of human experience as religion, science, morality, politics, art, or literature. The study of one or more of these areas will demonstrate how philosophy contributes to the identification of issues as well as their resolution.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5302. Dialogue.
Study of literature about the nature, purpose, and significance of dialogue along with active participation in the dialogues of the Department of Philosophy's Dialogue Series.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5303. Philosophy of Technology.
Study of philosophical and ethical dimensions of technology including the nature of technology and technological progress, the relation of humans to the technological environment, whether technology is value-laden, and the social character of technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5304. Philosophy of Language.
This course will examine the nature, structure, and uses of language and its role in conceptualizing and attempting to solve perennial philosophical problems. Features of language such as meaning, reference, truth, verification, and speech acts will be investigated and applied to issues of metaphysics and ontology, epistemology, and theory construction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5305. Philosophical Writing.
The course focuses on theoretical and methodological foundation necessary for producing philosophical works suitable for submission to conferences or journals. Students will analyze the standards for and engage in the process of developing papers for professional presentation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5306. Foundation Studies.
Foundation Studies in Philosophy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5314. American Philosophy.
This course is an examination of contributions of Americans to perennial philosophical issues, including the tradition of American Pragmatism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5320. History of Ethics.
This course is a survey of major ethical theories in the Western philosophical tradition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5322. Professional Ethics.
Study of major topics in business and professional ethics, including what a profession is, whether it differs from business, and what is involved with moral education, social responsibilities, and ethical standards of professional and business people.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5323. Environmental Ethics.
Study of ethical issues associated with the environment including the nature, use, preservation, and restoration of the environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5324. Meaning of Life.
Investigation of major theories of the meaning of life in Western and Eastern philosophies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5325. Philosophy of Sex and Love.
Critical examination of major philosophical theories on sex and love from ancient to modern times.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5326. Philosophy and Sport.
An examination of the philosophical issues that arise in sport. Topics include the social significance of sport, amateurism, the ethics of competition, the meaning of violence within sports, and other related issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5327. Medical Ethics and Bio-ethics.
Study of ethical issues, dilemmas, codes of conduct, and social responsibilities of health care professionals and bio-researchers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5328. Major Work or Theme in Ethics.
This course examines in detail a single significant work, theme or issue in ethics. May be repeated with a different focus.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5329. Food Ethics.
Eating raises hard moral questions. This course explores those question as well as potential answers. Standard topics include the nature of the food system, global hunger, food justice, consumer ethics, industrial agriculture and its alternatives, the plight of workers, overconsumption, and public health.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5340. Philosophical Logic.
The course is an examination of the conceptual frameworks of and philosophical challenges to classical and alternative logics. Special attention will be paid to the use of the logics within metaphysics, the axiomatic method as used in logic and mathematics, philosophy of language, philosophy of mind, and meta-ethics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5351. Philosophy of Education.
Study of major philosophical theories on nature, value, and purpose of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5355. Philosophical Theory of Science.
An examination of some of the fundamental concepts in science, including relevant evidence, induction, explanation, and commitments when accepting a scientific theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5356. Philosophical Theory of Knowledge.
The course will consist of a close examination of topics in the philosophical theory of knowledge, such as skepticism, defining knowledge, the nature of justification, perception, and truth.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5360A. Ethics and Dementia.
This course provides an opportunity to examine ethical challenges posed by dementia for those with dementia, family members, caregivers, healthcare systems, policy makers, and others. Participants will critically explore ethics and dementia in clinical, social/cultural, everyday life, policy, end-of-life, and individual perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5360B. Moral Psychology.
This seminar provides an introduction to the major theories, issues, and research relevant to the field of moral psychology. Drawing from a variety of fields—philosophy, social psychology, cognitive psychology, developmental psychology, and evolutionary theory—we will investigate what morality is, how it develops, and how it functions in society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5360C. Philosophy, Nonviolence, Sustainability, and Social Change.
In this course students will study themes and concepts related to nonviolence, sustainability, and social change. Participants will critically examine the works of thinkers such as Thoreau, Addams, Tolstoy, Gandhi, King, and Chavez.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5361A. Philosophy of Biology.
In this course students will explore foundational questions in biology concerning the justification of biological theories, methods and concepts. Possible topics include concepts of fitness, units of selection, adaptationism, species, phylogenetic inference, homology, developmental systems, neuroscience, behavioral evolution, cooperation, altruism, evolutionary psychology, evolutionary ethics, cultural evolution, and race and gender.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5361B. Philosophy of the Human Sciences.
This course is a survey of current debates about the structure, nature, role, methodologies, scope, and aim of the human sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5361C. Philosophy of Emotion.
In this course students examine the understandings of emotions as developed in the history of philosophy, including topics such as somatic theories, cognitive theories, and philosophical accounts of feelings, mood, and other affective experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5362A. Analytic Philosophy.
Students in this course will examine major thinkers, works, theories, and problems of analytic philosophy. Topics will include the philosophy of language, logic, philosophy of mathematics, philosophy of mind, philosophy of science, metaphysics, epistemology, ethics, metaethics, and philosophical methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5362B. 19th Century Philosophy.
This course offers a detailed introduction to central figures of 19th-century European philosophy such as Hegel, Marx, Kierkegaard, and Nietzsche in the context of their responses to the Enlightenment, the condition of modernity, the growth of democracy, nationalism, capitalism, Darwin, secularization, and the critical project of Kant.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5363A. Philosophy and Science Fiction.
In this seminar students will examine intersections between philosophy and science fiction around topics such as the nature of reality, the existence and nature of the divine, the limits of human knowledge, the meaning of free will, the notions of personhood, the nature of morality, and the meaning of life.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5373. Themes in Africana Philosophy.
In this course students will examine philosophy and philosophical practice as it emerges from the historical experiences of African Americans and the African Diaspora. Participants in the course will evaluate how the African-American philosophical tradition alters conventional philosophical accounts of subjectivity, knowledge, time, language, history, embodiment, memory, and justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5388. Problems in Philosophy.
Independent study open to students on individual or small group basis. May be repeated for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5395. Internship in Applied Philosophy.
Structured practical experience in applied philosophy at a private or public setting. Supervision will be provided both by a member of the graduate faculty and by a key individual in the workplace. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis on PHIL 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Applied Philosophy and Ethics (Thesis Option)

Dialogue, essential to any practical application of philosophy, is at the heart of the applied philosophy and ethics (MAAPE) program. Students apply theory by participating in the Department of Philosophy's Dialogue Series. The series includes student and faculty presenters from all eight colleges on campus, as well as speakers from off campus.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- statement of purpose (one page)
- two letters of recommendation
- writing sample

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Arts (M.A.) degree with a major in Applied Philosophy and Ethics requires 30 semester credit hours, including a 6-hour thesis.

Course Requirements

Code	Title	Hours
Required Courses		
PHIL 5301	Applied Philosophy	3
PHIL 5302	Dialogue	3
PHIL 5320	History of Ethics	3
Electives		
Choose 9 hours from the following:		9
PHIL 5101	Responsible Conduct of Research and Research Ethics	
PHIL 5301	Applied Philosophy	
PHIL 5302	Dialogue	
PHIL 5303	Philosophy of Technology	
PHIL 5304	Philosophy of Language	
PHIL 5305	Philosophical Writing	
PHIL 5329	Food Ethics	
PHIL 5340	Philosophical Logic	
PHIL 5314	American Philosophy	
PHIL 5322	Professional Ethics	
PHIL 5323	Environmental Ethics	
PHIL 5324	Meaning of Life	
PHIL 5325	Philosophy of Sex and Love	
PHIL 5326	Philosophy and Sport	
PHIL 5327	Medical Ethics and Bio-ethics	
PHIL 5328	Major Work or Theme in Ethics	
PHIL 5351	Philosophy of Education	
PHIL 5355	Philosophical Theory of Science	
PHIL 5356	Philosophical Theory of Knowledge	
PHIL 5360A	Ethics and Dementia	
PHIL 5360B	Moral Psychology	
PHIL 5360C	Philosophy, Nonviolence, Sustainability, and Social Change	
PHIL 5361A	Philosophy of Biology	
PHIL 5361B	Philosophy of the Human Sciences	
PHIL 5361C	Philosophy of Emotion	
PHIL 5362A	Analytic Philosophy	
PHIL 5362B	19th Century Philosophy	
PHIL 5363A	Philosophy and Science Fiction	
PHIL 5373	Themes in Africana Philosophy	
PHIL 5388	Problems in Philosophy	
PHIL 5395	Internship in Applied Philosophy	
Free Electives		
Choose 6 hours of advisor-approved electives outside the department.		6
Thesis		
PHIL 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
PHIL 5199B	Thesis	
PHIL 5299B	Thesis	
PHIL 5599B	Thesis	
PHIL 5999B	Thesis	
PHIL 5399B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Philosophy: PHIL

Courses Offered

Philosophy (PHIL)

PHIL 5100. Practicum in Teaching Philosophy.
This course orients Instructional Assistants to the principles of teaching philosophy responsibly. Topics include grades, evaluation of written work, classroom management, academic values, and teaching style. This course is required for all new Instructional Assistants in Philosophy. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHIL 5101. Responsible Conduct of Research and Research Ethics.
In this course students will examine issues, concepts, and cases in research ethics and the responsible conduct of research. Designed to meet NSF and NIH requirements for training, topics will include research integrity, conflicts of interest, authorship, peer review, human and animal experimentation, mentorship, data, and values in science. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHIL 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5301. Applied Philosophy.
Practical application of methods and teaching of philosophy to such major areas of human experience as religion, science, morality, politics, art, or literature. The study of one or more of these areas will demonstrate how philosophy contributes to the identification of issues as well as their resolution.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5302. Dialogue.
Study of literature about the nature, purpose, and significance of dialogue along with active participation in the dialogues of the Department of Philosophy's Dialogue Series.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5303. Philosophy of Technology.
Study of philosophical and ethical dimensions of technology including the nature of technology and technological progress, the relation of humans to the technological environment, whether technology is value-laden, and the social character of technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5304. Philosophy of Language.
This course will examine the nature, structure, and uses of language and its role in conceptualizing and attempting to solve perennial philosophical problems. Features of language such as meaning, reference, truth, verification, and speech acts will be investigated and applied to issues of metaphysics and ontology, epistemology, and theory construction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5305. Philosophical Writing.
The course focuses on theoretical and methodological foundation necessary for producing philosophical works suitable for submission to conferences or journals. Students will analyze the standards for and engage in the process of developing papers for professional presentation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5306. Foundation Studies.
Foundation Studies in Philosophy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5314. American Philosophy.
This course is an examination of contributions of Americans to perennial philosophical issues, including the tradition of American Pragmatism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5320. History of Ethics.
This course is a survey of major ethical theories in the Western philosophical tradition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5322. Professional Ethics.
Study of major topics in business and professional ethics, including what a profession is, whether it differs from business, and what is involved with moral education, social responsibilities, and ethical standards of professional and business people.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5323. Environmental Ethics.
Study of ethical issues associated with the environment including the nature, use, preservation, and restoration of the environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5324. Meaning of Life.
Investigation of major theories of the meaning of life in Western and Eastern philosophies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5325. Philosophy of Sex and Love.
Critical examination of major philosophical theories on sex and love from ancient to modern times.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5326. Philosophy and Sport.
An examination of the philosophical issues that arise in sport. Topics include the social significance of sport, amateurism, the ethics of competition, the meaning of violence within sports, and other related issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5327. Medical Ethics and Bio-ethics.
Study of ethical issues, dilemmas, codes of conduct, and social responsibilities of health care professionals and bio-researchers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5328. Major Work or Theme in Ethics.
This course examines in detail a single significant work, theme or issue in ethics. May be repeated with a different focus.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5329. Food Ethics.
Eating raises hard moral questions. This course explores those question as well as potential answers. Standard topics include the nature of the food system, global hunger, food justice, consumer ethics, industrial agriculture and its alternatives, the plight of workers, overconsumption, and public health.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5340. Philosophical Logic.
The course is an examination of the conceptual frameworks of and philosophical challenges to classical and alternative logics. Special attention will be paid to the use of the logics within metaphysics, the axiomatic method as used in logic and mathematics, philosophy of language, philosophy of mind, and meta-ethics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5351. Philosophy of Education.
Study of major philosophical theories on nature, value, and purpose of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5355. Philosophical Theory of Science.
An examination of some of the fundamental concepts in science, including relevant evidence, induction, explanation, and commitments when accepting a scientific theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5356. Philosophical Theory of Knowledge.
The course will consist of a close examination of topics in the philosophical theory of knowledge, such as skepticism, defining knowledge, the nature of justification, perception, and truth.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5360A. Ethics and Dementia.
This course provides an opportunity to examine ethical challenges posed by dementia for those with dementia, family members, caregivers, healthcare systems, policy makers, and others. Participants will critically explore ethics and dementia in clinical, social/cultural, everyday life, policy, end-of-life, and individual perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5360B. Moral Psychology.
This seminar provides an introduction to the major theories, issues, and research relevant to the field of moral psychology. Drawing from a variety of fields—philosophy, social psychology, cognitive psychology, developmental psychology, and evolutionary theory—we will investigate what morality is, how it develops, and how it functions in society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5360C. Philosophy, Nonviolence, Sustainability, and Social Change.
In this course students will study themes and concepts related to nonviolence, sustainability, and social change. Participants will critically examine the works of thinkers such as Thoreau, Addams, Tolstoy, Gandhi, King, and Chavez.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5361A. Philosophy of Biology.
In this course students will explore foundational questions in biology concerning the justification of biological theories, methods and concepts. Possible topics include concepts of fitness, units of selection, adaptationism, species, phylogenetic inference, homology, developmental systems, neuroscience, behavioral evolution, cooperation, altruism, evolutionary psychology, evolutionary ethics, cultural evolution, and race and gender.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5361B. Philosophy of the Human Sciences.
This course is a survey of current debates about the structure, nature, role, methodologies, scope, and aim of the human sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5361C. Philosophy of Emotion.
In this course students examine the understandings of emotions as developed in the history of philosophy, including topics such as somatic theories, cognitive theories, and philosophical accounts of feelings, mood, and other affective experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5362A. Analytic Philosophy.
Students in this course will examine major thinkers, works, theories, and problems of analytic philosophy. Topics will include the philosophy of language, logic, philosophy of mathematics, philosophy of mind, philosophy of science, metaphysics, epistemology, ethics, metaethics, and philosophical methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5362B. 19th Century Philosophy.
This course offers a detailed introduction to central figures of 19th-century European philosophy such as Hegel, Marx, Kierkegaard, and Nietzsche in the context of their responses to the Enlightenment, the condition of modernity, the growth of democracy, nationalism, capitalism, Darwin, secularization, and the critical project of Kant.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5363A. Philosophy and Science Fiction.
In this seminar students will examine intersections between philosophy and science fiction around topics such as the nature of reality, the existence and nature of the divine, the limits of human knowledge, the meaning of free will, the notions of personhood, the nature of morality, and the meaning of life.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5373. Themes in Africana Philosophy.
In this course students will examine philosophy and philosophical practice as it emerges from the historical experiences of African Americans and the African Diaspora. Participants in the course will evaluate how the African-American philosophical tradition alters conventional philosophical accounts of subjectivity, knowledge, time, language, history, embodiment, memory, and justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5388. Problems in Philosophy.
Independent study open to students on individual or small group basis. May be repeated for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5395. Internship in Applied Philosophy.
Structured practical experience in applied philosophy at a private or public setting. Supervision will be provided both by a member of the graduate faculty and by a key individual in the workplace. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis on PHIL 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Minor in Philosophy

The graduate minor in Philosophy requires 6 semester credit hours.

Code	Title	Hours
Required Courses		
Choose 6 hours from the following:		6
PHIL 5301	Applied Philosophy	
PHIL 5302	Dialogue	
PHIL 5303	Philosophy of Technology	
PHIL 5322	Professional Ethics	
PHIL 5323	Environmental Ethics	
PHIL 5324	Meaning of Life	
PHIL 5351	Philosophy of Education	
PHIL 5388	Problems in Philosophy	
WS 5376	Images of Women	

Certificate in Professional Ethics

Program Overview

The graduate certificate in Professional Ethics will help students engage more fully with ethical issues in their professional life. This 12-hour certificate program will enhance students' abilities to analyze arguments, capacities to reason and express themself clearly, leadership skills, and awareness of the ethical dimensions of work and public life. The certificate is available online or face-to-face and is open to all interested persons who hold a bachelor's degree with a 3.0 minimum GPA.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $20 nonrefundable application fee

  or

- $60 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.5 GPA in the last 60 hours of undergraduate course work

- minimum 3.0 GPA in all completed graduate course work (if applicable)
- GRE not required

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are not met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Course Requirements

The graduate certificate in Professional Ethics requires 12 semester credit hours – six hours of required course work (two courses), three hours of directed PHIL elective and three hours of elective course work. The required courses are PHIL 5322: Professional Ethics and PHIL 5301: Applied Philosophy.

The directed elective must be chosen from:

PHIL 5303: Philosophy of Technology

PHIL 5320: History of Ethics

PHIL 5323: Environmental Ethics

PHIL 5327 Medical Ethics and Bioethics

PHIL 5329: Food Ethics

PHIL 5360A: Ethics and Dementia

PHIL 5360B. Moral Psychology

PHIL 5360C. Philosophy, Nonviolence, Sustainability, and Social Change

PHIL 5395. Internship in Applied Philosophy

The elective course may be selected from any of the graduate courses in PHIL or REL.

Department of Political Science

Undergraduate Academic Center 355A
T: 512. 245.2143 F: 512. 245.7815
http://www.polisci.txstate.edu/

The Department of Political Science is a part of the College of Liberal Arts at Texas State. As a liberal arts discipline, the department is dedicated to promoting student learning about fundamental theory and key concepts relevant to political science and public administration and encouraging student learning relative to the development of strong analytical skills, effective oral and written communication skills, and rigorous critical thinking skills. Throughout the course of their study, students are invited to reflect not simply on their career goals but also on what type of persons they want to become, and on their rights and duties as citizens.

We are the academic home for about 800 undergraduate majors and minors and 380 graduate students. We also offer graduate certificates. We house the Center for Research, Public Policy, and Training (CRPPT) and the *Armed Forces and Society Journal*.

Texas Certified Public Manager (CPM) Program

Please see the 'Texas Certified Public Manager Program' section of this catalog.

Master of Arts (M.A.)

- Major in Legal Studies (p. 2162)
- Major in Political Science (Non-thesis Option) (p. 2165)
- Major in Political Science (Thesis Option) (p. 2170)

Master of Public Administration (M.P.A.)

- Major in Public Administration (Applied Research Project Concentration) (p. 2176)
- Major in Public Administration (Non-thesis Option) (p. 2180)
- Major in Public Administration (Thesis Option) (p. 2184)

Minors

- Legal Studies (p. 2189)
- Political Science (p. 2189)

Certificates

- Paralegal Studies (p. 2189) (requires concurrent enrollment in the Master of Arts degree with a major in Legal Studies Program at Texas State University)

Master of Arts (M.A.) Major in Legal Studies

Major Program

The M.A. major in Legal Studies is an ABA-approved program that offers career enhancement in law-related fields and helps meet the evolving needs of the legal and business communities and federal and state government entities. This program does not qualify graduates to practice law. Legal assistants or paralegals must work under the supervision of a licensed attorney.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $20 nonrefundable certificate fee (see Paralegal Studies Certificate Program, if applicable)

and either

- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required
- interview with the legal studies graduate advisor
- additional documents not required*

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

***Additional Information**
If the last-60-hours GPA falls between 2.50 and 2.99, the student must submit the following:

- personal statement
- two letters of recommendation

The Department of Political Science also offers a Texas State Certificate in paralegal studies only in conjunction with the legal studies master's program.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Legal Studies requires 36 semester credit hours. Students must successfully complete the 36-hour curriculum while maintaining a "B" average and must receive a "B" or better in each required course.

Course Requirements

Code	Title	Hours
Required Courses		
LS 5310	Introduction to the Paralegal Profession and Legal Technology	3
LS 5320	Legal Research	3
LS 5330	Legal Theories and Analysis	3
LS 5340	Litigation	3
LS 5350	Legal Drafting	3
LS 5360	Advanced Litigation	3
LS 5370	Advanced Legal Research & Writing	3
LS 5389	Law Office Internship	3
LS 5399	Applied Research Project	3
Electives		
Choose 9 hours from the following:		9
LS 5341	Administrative Law	
LS 5343	Family Law	
LS 5349	Business Organizations	
LS 5351	Estates and Trusts	
LS 5353	Real Estate	
LS 5359	Alternative Dispute Resolution	
LS 5361	Criminal Law and Procedure	
LS 5363	Social Legislation	
LS 5371	Intellectual Property Law	
LS 5373	Contract Law	
LS 5379	Issues and Problems in Law	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Political Science: POSI

Courses Offered

Legal Studies (LS)

LS 5310. Introduction to the Paralegal Profession and Legal Technology.
This course provides an introduction to the paralegal profession and law office technology, including the history of and current issues facing the profession, paralegal associations, paralegal regulation and certification options, paralegal ethics, and the skills necessary to become an effective paralegal, with an emphasis placed on legal technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5320. Legal Research.
This course provides a study of the legal research process, including primary and secondary sources of law and related finding tools and legal citation rules; research using books and online tools; and provides a basic introduction to legal writing, including how to brief cases and prepare legal research memoranda.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5330. Legal Theories and Analysis.
This course is a study of statutory and case law development of basic legal theory including tort theory, contract theory, and evidence theory. This course is intended to assist students in gaining knowledge of fundamental legal theory, reasoning, and analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5340. Litigation.
This course is a study of statutory and case law relating to civil procedure in order to develop an understanding of litigation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5341. Administrative Law.
This course deals with the origin, development, and theory of Administrative Law as well as the agencies and tribunals that administer the law. Emphasis is on enforcement, quasi-legislative and quasi-judicial powers of federal administrative agencies and state tribunals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5343. Family Law.
This course examines Texas law, dealing with pre-marital contracts, marriage relationships, annulment, abortion, adoption, juveniles, Family Code, divorce, support for children, custody, and separation agreements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5349. Business Organizations.
This course is a study of the federal and Texas law relating to corporations with particular emphasis on the preparation of initial and amended articles of incorporation, satisfaction of state filing requirements, the drafting of employment agreements, and other activities necessary to the maintenance, merger, and the closing of corporations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5350. Legal Drafting.
This course is a study of legal drafting styles, forms and techniques, including legal document drafting, objective, informative document drafting, and persuasive-style drafting of trial and appellate briefs. Prerequisite: LS 5320 with grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5351. Estates and Trusts.
This course is the study of Texas laws relating to estates and trusts with emphasis on the preparation of documents regarding the administration of estates.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5353. Real Estate.
This course is a study of Texas laws concerning real properties, conveyances, recordation, taxation, and sales regarding real property. Students are familiarized with various records dealing with real property maintained by public officials and develop an understanding of the procedures by which titles are searched. Repeatable with different emphasis for a maximum of 6 credit hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

LS 5359. Alternative Dispute Resolution.
This course is an in-depth study of procedural and substantive legal principles of alternative dispute resolution. Emphasis will be placed on procedures and practical applications of negotiation, mediation, arbitration, and alternative adjudicative processes with integration of ethical and policy issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5360. Advanced Litigation.
This course is a study of the use of the American legal system to resolve disputes between indviduals and entitles. Emphasis is on trial advocacy planning, analysis, preparation, and strategy. Students develop skills necessary to understand and to participate as an advocate in the trial process. Prerequisite: LS 5320 and LS 5340 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5361. Criminal Law and Procedure.
This course is a study of the state and federal statutory and common law relating to the criminal justice system. This course includes the study of the criminal litigation process and procedure with emphasis on theory and practical legal assistant skill development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5363. Social Legislation.
This course is a study of Texas and federal laws established by statute to remedy various social problems including worker's compensation, unemployment compensation, bankruptcy, and commercial transactions. This course includes a study of statutory and case law development. May be repeated with different emphasis for a maximum of 6 credit hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

LS 5370. Advanced Legal Research & Writing.
This course has four components: (1) refinement of skills in computer-assisted and manual legal research; (2) legal analysis, legal writing, and organizing, complex legal documents; (3) techniques of persuasive argument; and (4) applied research project. Prerequisite: LS 5350 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5371. Intellectual Property Law.
This course covers principal tenets of intellectual property, including trademarks, copyrights, patents, and trade secrets. Students analyze a wide variety of intellectual property issues, the impact of intellectual property in our current society, and the practical and theoretical concerns raised by the interplay of state and federal laws.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5373. Contract Law.
This course is a study of contracts (e.g., real estate contracts, employment contracts; contracts for services; construction contracts; e-contracts); the common law and statutory law of contracts (e.g., Statute of Frauds; Uniform Commercial Code; Uniform Computer Information Transactions Act; Uniform Electronic Transactions Act), and contract drafting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5379. Issues and Problems in Law.
This course examines current legal issues and problems through legal analysis and conceptual aspects of legal research and writing. Students perform literature reviews of current topics and develop research questions. Prerequisite: LS 5320 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5388. Directed Reading and Research.
This course is an advanced reading and/or research on various topics in legal studies under the direction of a graduate faculty member. May be repeated once with different emphasis and professor for a maximum of 6 credit hours. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

LS 5389. Law Office Internship.
This course emphasizes problems, procedures, and ethics in the legal-working environment. Students are involved in internship consisting of approximately 10-15 hours a week to gain experience in the legal-working environment. Course is required unless the student has related experience and has, with program director permission, elected to take a practicum. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

LS 5399. Applied Research Project.
This course is the applied research project for the Master of Arts in Legal Studies degree. Students work with the supervising instructor to complete an applied research project to submit for oral examination. Prerequisite: LS 5370 with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Arts (M.A.) Major in Political Science (Non-thesis Option)

Graduate students find exceptional resources at their fingertips. With a large full-time faculty, students have the opportunity for a close intellectual exchange with professors. Texas State is also a depository for federal and state government documents as well as a member of the Council of Research and Academic Libraries. Current master's students have been successful in pursuing doctoral education, teaching careers or professional careers ranging from federal, state and local government to nonprofit organizations.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in political science from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- background course work: political science undergraduate minor or at least nine hours of upper-level course work in political science or related field*
- GRE not required*
- resume/CV
- statement of purpose (minimum 500 words)
- three letters of recommendation
- writing sample (minimum five pages, double-spaced) from a political science course or social science/humanities course

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the last-60-hours GPA does not meet the minimum requirement, or the student does not have the undergraduate degree, minor, or upper-level course work, the student must submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning, quantitative reasoning, and analytical writing sections to be considered for conditional admission. Conditional admission is not available to applicants who require "F" or "J" visas.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Political Science requires 36 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Course		
PS 5301	Approaches to the Study of Political Science	3
Electives		
Choose 33 hours from the following:		33
PS 5302	Political Research and Methodology	
PS 5310	Studies in Ancient and Medieval Political Thought	
PS 5311	Social Contract Theory	
PS 5312	Roots of American Constitutionalism	
PS 5313	Justice and Liberty in American Thought	
PS 5315	Contemporary Perspectives in Modern Liberalism	
PS 5316	The Crisis of Liberalism and The Future of Democracy	
PS 5317	Theological Perspectives in Modern Democracy	
PS 5318	The Problem of Power and the Crisis of Modernity	
PS 5330A	Nuclear Weapons in International Politics	
PS 5330B	Tocqueville and American Democracy	
PS 5332	Problems in American Foreign Relations	
PS 5334	Texas Politics	
PS 5335	The Role of Interests in America	
PS 5336	Property, Liberty, and Popular Sovereignty	
PS 5337	American Political Culture	
PS 5338	American Political Discourse	
PS 5339	The American Presidency	
PS 5340	Congress and the Legislative Process	
PS 5341	Seminar in Constitutional Law and Theory	
PS 5356	The British Political Order Since 1900	
PS 5357	Russian Politics and Josef Stalin	
PS 5358	Civil-Military Relations in Comparative Perspective	
PS 5360	Economic Development in Developing Nations	
PS 5361	Government and Politics of African States	
PS 5375	Seminar in International Relations Theory	
PS 5377	Problems in International Organizations	
PS 5378	Problems in International Law	
PS 5379	Problems in International Political Economy	
PS 5380	International Conflict and Security	
PS 5389	Internship in Government	
PS 5398	Directed Reading and Research	
May choose 9 hours of advisor-approved electives from outside the department		
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Political Science: PS

Courses Offered

Political Science (PS)

PS 5100. Instructional Methods Practicum for Graduate Assistants.
This course introduces key concepts and practices in the teaching of college introductory political science courses. It provides regular in-service training and planned periodic evalutations of instructional responsibilities. This course does not earn graduate degree credit. It is repeatable 3 times with different emphases and with a maximum of 4 credit hours.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PS 5300. Foundation Studies in Political Science.
Students develop knowledge and skills required for success in graduate-level coursework in Political Science. Course content varies depending on academic preparation. This course does not earn graduate degree credit. The approval of the graduate program director is required. It is repeatable 3 times with different emphases and with a maximum of 12 credit hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PS 5301. Approaches to the Study of Political Science.
This course provides an intensive introduction to the advanced study of political science. It focuses on the key concepts, variables, and approaches used to describe, explain, and predict political phenomena. It also discusses key normative theories and the variety of methodologies used in political science.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5302. Political Research and Methodology.
This course is a topical seminar for the exploration of problems in the scope and the methods of political science and public administration. The course emphasizes quantitative methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5310. Studies in Ancient and Medieval Political Thought.
This course covers selected topics in Greek and Roman political theory, patristic understanding of politics, and the political theory of the Middle and High Middle Ages. This course includes study of the writings and thought of Thucydides, Plato, Aristotle, Cicero, Augustine, Al-Farabi, John of Salisbury, Aquinas, and others.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5311. Social Contract Theory.
This course is an examination of the social contract, consent, and popular sovereignty in early modern thought. Attention is given to the work of Thomas Hobbs, John Locke, Jean Jeaques Rousseau, and Immanuel Kant (as well as others) and to their critics both then and now.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5312. Roots of American Constitutionalism.
This course examines the origins and evolution of the ideas which inform the American constitutional system, includes an examination of classical, Christian, medieval, Renaissance, and Enlightenment thought that, combined with the British liberal tradition, laid the groundwork for the American experiment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5313. Justice and Liberty in American Thought.
This course examines the concepts of justice and liberty in American thought from the seventeenth century to the present. Attention is given both to the nature of liberty and justice and to their practical requirement as understood by various American thinkers, including statesmen, reformers, social scientists, and philosophers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5315. Contemporary Perspectives in Modern Liberalism.
This course is a bried review of the history and development of modern liberalism and the ensuing response and contemporary alternatives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5316. The Crisis of Liberalism and The Future of Democracy.
This course is an examination of the nature and intellectual foundations of the liberal tradition and the implications of the crisis besetting contemporary theory for the future of democractic government.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5317. Theological Perspectives in Modern Democracy.
This course explores the influence of religion on the rise of modern democracy and the efforts of various religious thinkers to explore the nature and foundations of democratic government.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5318. The Problem of Power and the Crisis of Modernity.
This course is an examination of the crisis of modernity and its implications for humanity's future.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5330A. Nuclear Weapons in International Politics.
This course examines the effects of nuclear weapons on international politics. The course begins with a comparative historical account of the nuclear arms race and efforts to achieve nuclear arms control and disarmament. It then shifts to examine contemporary theories of nuclear proliferation and the case studies which illumine them.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330B. Tocqueville and American Democracy.
This course considers Tocqueville's Democracy in America. Topics include the relationship between aristocracy and democracy; the instability of democracy; the antidotes to these instabilities; the significance of habit in Tocqueville's thought; the case for American Exceptionalism; and the importance of religion for democracy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330C. Party Systems in Latin America.
The course examines some key insights in party and party system theory and practice. Latin America is the regional referent for examining these themes, and country examples are studied in considerable depth to illustrate the theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330D. Problems in Political Science: International Humanitarian Affairs.
This course inquires into the intellectual legacy of international humanitarian issues, including forced migration, refugee problems, moral issues related to humanitarian intervention and emergency aid issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330E. Religion and American Political Culture.
An examination of the ways in which religious beliefs and institutions have shaped American political culture; the ways in which American culture has influenced these beliefs and institutions; and the ongoing debates regarding the proper role of religion in American public life.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330F. Topics in Comparative Politics of European and Developing Countries.
This course explores the recent political history, institutions, party systems, and economic policies of some of the major countries in the globe. The course is devoted to the study of individual advanced European democracies as well as important developing nations, including China, Iran, Russia, Mexico, India and South Africa.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330H. Topics in Political Science: Seminar on Freedom of Speech and Thought.
This course considers freedom of speech and thought as foundational conditions in liberal conceptions of human flourishing. The course will combine a close reading of modern and contemporary authors with an analysis of recent controversies implicating these freedoms, such as debates about hate speech and political correctness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5332. Problems in American Foreign Relations.
This course is a seminar based on selected topics in American foreign policy and United States involvement in international relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5334. Texas Politics.
This course examines some of the traditional debates over federalism, intergovernmental relations, and different ways people compare the states. It introduces Texas political institutions and its political history as well as examines some of the current Texas public policy questions such as education, criminal justice, and economic development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5335. The Role of Interests in America.
This course examines the role of interest groups and other organizations in the United States. Students learn about the range of social and economic interests presently active in our country and what observers from a variety of perspectives believe this activity implies for the health of our political system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5336. Property, Liberty, and Popular Sovereignty.
This course examines the role, status, and power of property in demographic societies. It takes a modified historical approach to the subject, tracing attitudes regarding property from before the American Revolution until today. Although the emphasis is on the United States, the course reviews property in other societies where appropriate.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5337. American Political Culture.
This course explores selected problems related to American political culture with particular emphasis on the question of the cultural preconditions of free government. Beginning with Alexis de Tocqueville's classic study of American political culture, the course explores different Tocquevillian themes in a contemporary American context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5338. American Political Discourse.
This class identifies the way political discourse and social and political cultures connect within Americans' minds. Diverse theoretical perspectives will be used to explore the phenomena involved in social and political issues regarding values, meanings, norms, and prejudices and methods of improving political discourse within American political culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5339. The American Presidency.
The course entails an historical analysis of presidential elections from 1789 to the present day. In addition, students examine and engage in reasonable speculations about the upcoming elections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5340. Congress and the Legislative Process.
This course examines the American legislative process with a focus on Congress. The framework for the course is based on three themes: 1) the "dual Congress," i.e., the notions of deliberation versus representation; 2) the distribution of power in Congress and its consequences; and 3) the bicameral nature of Congress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5341. Seminar in Constitutional Law and Theory.
This course examines selected issues in constitutional theory, including the theory of judicial review, and constitutional interpretation. It examines the debate on constitutional interpretation in light of cases dealing with the First Amendment freedom of speech, press, and religion, and with substantive due process and the equal protection clause.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5356. The British Political Order Since 1900.
This course examines British policy from 1901 to the present and the major events that affected British history and politics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5357. Russian Politics and Josef Stalin.
This course examines Josef Stalin's personal and public life, analyzes his accomplishments and failures, and generates a summative assessment of his impact on Russian and global politics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5358. Civil-Military Relations in Comparative Perspective.
This course is an intensive exploration of the subject of civil-military relations. Students critically examine the primary positive and normative theories of civil-military relations. They also investigate the state of civil-military relations in the United States and around the globe.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5359. Comparative Democratization.
This course examines the inner workings of autocracies and democracies in the developing world, as well as processes of regime transitions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5360. Economic Development in Developing Nations.
This course examines some of the factors that account for economic development/underdevelopment in developing nations. The factors examined include political, economic and institutional variables. These underlying variables reveal the multi-causal nature of socio-economic development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5361. Government and Politics of African States.
This course examines governments and politics of African states.
It examines the nature of domestic and international politics, the precolonial politics and political culture, the impact of the colonial period on politics, several cases of post-colonial successes and failures, the critical nature of external involvement in the politics, and the settings of civil war.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5362. Problems of Democracy in Latin America.
This course examines the main structural and institutional obstacles that stand in the way of high quality democracy in Latin America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5363. Party Systems in Latin America.
The course examines some key insights in party and party system theory and practice. Latin America is the regional referent for examining these themes, and country examples are studied in considerable depth to illustrate the theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5375. Seminar in International Relations Theory.
This course is designed to engage students in the major theoretical and conceptual traditions of international relations in order to assess the complex issues, developments and events constituting international politics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5377. Problems in International Organizations.
This course analyzes the structure, functions, and role of the international organizations in the international system. The course addresses the role of international regions, regional organizations, functional agencies, and bilateral organizations. The procedures and processes on international argument and policy-making are studied through participation in a model security council.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5378. Problems in International Law.
This course examines the nature, functions, and scope, of international law. It addresses several major areas including legal sources, diplomatic practice, territorial jurisdiction, legal personality, the law of state responsibility, asylum law, human rights, and the law of war. The course is heavily research oriented and includes moot court arbitration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5379. Problems in International Political Economy.
This course examines theories and issues in international political economy. The course emphasizes the political and economic conditions conducive to the development of cooperative international economic behavior among countries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5380. International Conflict and Security.
This course deals with the field of security studies. Security studies focuses on what Clausewitz famously called "politics by other means": war. This course centers on three enduring topics: the causes of war, the use of force, and the future of warfare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5389. Internship in Government.
This course offers students practical experience in the on-going work of a selected governmental unit. The student is evaluated on the basis of a research paper, work journal, and work performance. The approval of the graduate program director is required. It may be repeated once with different emphasis and with a maximum of 6 credit hours.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5390. Political Science Curriculum Development.
This course is designed for graduate students with a social science teacher emphasis who are interested in teaching dual credit courses on federal or state government. The course focuses on practical teaching matters including, construction of syllabi, delivering effective lectures, teaching formats, test construction, and grading practices Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5391. Political Science Teaching Practicum.
This course is designed for graduate students with a social science teacher emphasis who are interested in teaching dual credit courses. Prerequisite: PS 5390 with a grade of “B” or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5398. Directed Reading and Research.
This course is an advanced reading and/or research on various topics in political science under the direction of a graduate faculty member. It may be repeated once with different emphasis and professor for a maximum of 6 credit hours. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until a student has completed the thesis under a Political Science Thesis B course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PS 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Political Science (Thesis Option)

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Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in political science from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- background course work: political science undergraduate minor or at least nine hours of upper-level course work in political science or related field*
- GRE not required*
- resume/CV
- statement of purpose (minimum 500 words)
- three letters of recommendation
- writing sample (minimum five pages, double-spaced) from a political science course or social science/humanities course

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the last-60-hours GPA does not meet the minimum requirement, or the student does not have the undergraduate degree, minor, or upper-level course work, the student must submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning, quantitative reasoning, and analytical writing sections to be considered for conditional admission. Conditional admission is not available to applicants who require "F" or "J" visas.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Political Science requires 33 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Require Courses		
PS 5301	Approaches to the Study of Political Science	3
Electives		
Choose 24 hours from the following:		24
PS 5302	Political Research and Methodology	

PS 5310	Studies in Ancient and Medieval Political Thought	
PS 5311	Social Contract Theory	
PS 5312	Roots of American Constitutionalism	
PS 5313	Justice and Liberty in American Thought	
PS 5315	Contemporary Perspectives in Modern Liberalism	
PS 5316	The Crisis of Liberalism and The Future of Democracy	
PS 5317	Theological Perspectives in Modern Democracy	
PS 5318	The Problem of Power and the Crisis of Modernity	
PS 5330A	Nuclear Weapons in International Politics	
PS 5330B	Tocqueville and American Democracy	
PS 5332	Problems in American Foreign Relations	
PS 5334	Texas Politics	
PS 5335	The Role of Interests in America	
PS 5336	Property, Liberty, and Popular Sovereignty	
PS 5337	American Political Culture	
PS 5338	American Political Discourse	
PS 5339	The American Presidency	
PS 5340	Congress and the Legislative Process	
PS 5341	Seminar in Constitutional Law and Theory	
PS 5356	The British Political Order Since 1900	
PS 5357	Russian Politics and Josef Stalin	
PS 5358	Civil-Military Relations in Comparative Perspective	
PS 5360	Economic Development in Developing Nations	
PS 5361	Government and Politics of African States	
PS 5375	Seminar in International Relations Theory	
PS 5377	Problems in International Organizations	
PS 5378	Problems in International Law	
PS 5379	Problems in International Political Economy	
PS 5380	International Conflict and Security	
PS 5389	Internship in Government	
PS 5398	Directed Reading and Research	
May choose 9 hours of advisor-approved electives from outside the department		
Thesis		
PS 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
PS 5199B	Thesis	
PS 5299B	Thesis	
PS 5399B	Thesis	
PS 5599B	Thesis	
PS 5999B	Thesis	
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being

made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Political Science: PS

Courses Offered

Political Science (PS)

PS 5100. Instructional Methods Practicum for Graduate Assistants.
This course introduces key concepts and practices in the teaching of college introductory political science courses. It provides regular in-service training and planned periodic evalutations of instructional responsibilities. This course does not earn graduate degree credit. It is repeatable 3 times with different emphases and with a maximum of 4 credit hours.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PS 5300. Foundation Studies in Political Science.
Students develop knowledge and skills required for success in graduate-level coursework in Political Science. Course content varies depending on academic preparation. This course does not earn graduate degree credit. The approval of the graduate program director is required. It is repeatable 3 times with different emphases and with a maximum of 12 credit hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PS 5301. Approaches to the Study of Political Science.
This course provides an intensive introduction to the advanced study of political science. It focuses on the key concepts, variables, and approaches used to describe, explain, and predict political phenomena. It also discusses key normative theories and the variety of methodologies used in political science.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5302. Political Research and Methodology.
This course is a topical seminar for the exploration of problems in the scope and the methods of political science and public administration. The course emphasizes quantitative methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5310. Studies in Ancient and Medieval Political Thought.
This course covers selected topics in Greek and Roman political theory, patristic understanding of politics, and the political theory of the Middle and High Middle Ages. This course includes study of the writings and thought of Thucydides, Plato, Aristotle, Cicero, Augustine, Al-Farabi, John of Salisbury, Aquinas, and others.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5311. Social Contract Theory.
This course is an examination of the social contract, consent, and popular sovereignty in early modern thought. Attention is given to the work of Thomas Hobbs, John Locke, Jean Jeaques Rousseau, and Immanuel Kant (as well as others) and to their critics both then and now.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5312. Roots of American Constitutionalism.
This course examines the origins and evolution of the ideas which inform the American constitutional system, includes an examination of classical, Christian, medieval, Renaissance, and Enlightenment thought that, combined with the British liberal tradition, laid the groundwork for the American experiment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5313. Justice and Liberty in American Thought.
This course examines the concepts of justice and liberty in American thought from the seventeenth century to the present. Attention is given both to the nature of liberty and justice and to their practical requirement as understood by various American thinkers, including statesmen, reformers, social scientists, and philosophers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5315. Contemporary Perspectives in Modern Liberalism.
This course is a bried review of the history and development of modern liberalism and the ensuing response and contemporary alternatives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5316. The Crisis of Liberalism and The Future of Democracy.
This course is an examination of the nature and intellectual foundations of the liberal tradition and the implications of the crisis besetting contemporary theory for the future of democractic government.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5317. Theological Perspectives in Modern Democracy.
This course explores the influence of religion on the rise of modern democracy and the efforts of various religious thinkers to explore the nature and foundations of democratic government.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5318. The Problem of Power and the Crisis of Modernity.
This course is an examination of the crisis of modernity and its implications for humanity's future.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5330A. Nuclear Weapons in International Politics.
This course examines the effects of nuclear weapons on international politics. The course begins with a comparative historical account of the nuclear arms race and efforts to achieve nuclear arms control and disarmament. It then shifts to examine contemporary theories of nuclear proliferation and the case studies which illumine them.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330B. Tocqueville and American Democracy.
This course considers Tocqueville's Democracy in America. Topics include the relationship between aristocracy and democracy; the instability of democracy; the antidotes to these instabilities; the significance of habit in Tocqueville's thought; the case for American Exceptionalism; and the importance of religion for democracy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330C. Party Systems in Latin America.
The course examines some key insights in party and party system theory and practice. Latin America is the regional referent for examining these themes, and country examples are studied in considerable depth to illustrate the theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330D. Problems in Political Science: International Humanitarian Affairs.
This course inquires into the intellectual legacy of international humanitarian issues, including forced migration, refugee problems, moral issues related to humanitarian intervention and emergency aid issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330E. Religion and American Political Culture.
An examination of the ways in which religious beliefs and institutions have shaped American political culture; the ways in which American culture has influenced these beliefs and institutions; and the ongoing debates regarding the proper role of religion in American public life.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330F. Topics in Comparative Politics of European and Developing Countries.
This course explores the recent political history, institutions, party systems, and economic policies of some of the major countries in the globe. The course is devoted to the study of individual advanced European democracies as well as important developing nations, including China, Iran, Russia, Mexico, India and South Africa.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330H. Topics in Political Science: Seminar on Freedom of Speech and Thought.
This course considers freedom of speech and thought as foundational conditions in liberal conceptions of human flourishing. The course will combine a close reading of modern and contemporary authors with an analysis of recent controversies implicating these freedoms, such as debates about hate speech and political correctness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5332. Problems in American Foreign Relations.
This course is a seminar based on selected topics in American foreign policy and United States involvement in international relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5334. Texas Politics.
This course examines some of the traditional debates over federalism, intergovernmental relations, and different ways people compare the states. It introduces Texas political institutions and its political history as well as examines some of the current Texas public policy questions such as education, criminal justice, and economic development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5335. The Role of Interests in America.
This course examines the role of interest groups and other organizations in the United States. Students learn about the range of social and economic interests presently active in our country and what observers from a variety of perspectives believe this activity implies for the health of our political system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5336. Property, Liberty, and Popular Sovereignty.
This course examines the role, status, and power of property in demographic societies. It takes a modified historical approach to the subject, tracing attitudes regarding property from before the American Revolution until today. Although the emphasis is on the United States, the course reviews property in other societies where appropriate.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5337. American Political Culture.
This course explores selected problems related to American political culture with particular emphasis on the question of the cultural preconditions of free government. Beginning with Alexis de Tocqueville's classic study of American political culture, the course explores different Tocquevillian themes in a contemporary American context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5338. American Political Discourse.
This class identifies the way political discourse and social and political cultures connect within Americans' minds. Diverse theoretical perspectives will be used to explore the phenomena involved in social and political issues regarding values, meanings, norms, and prejudices and methods of improving political discourse within American political culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5339. The American Presidency.
The course entails an historical analysis of presidential elections from 1789 to the present day. In addition, students examine and engage in reasonable speculations about the upcoming elections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5340. Congress and the Legislative Process.
This course examines the American legislative process with a focus on Congress. The framework for the course is based on three themes: 1) the "dual Congress," i.e., the notions of deliberation versus representation; 2) the distribution of power in Congress and its consequences; and 3) the bicameral nature of Congress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5341. Seminar in Constitutional Law and Theory.
This course examines selected issues in constitutional theory, including the theory of judicial review, and constitutional interpretation. It examines the debate on constitutional interpretation in light of cases dealing with the First Amendment freedom of speech, press, and religion, and with substantive due process and the equal protection clause.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5356. The British Political Order Since 1900.
This course examines British policy from 1901 to the present and the major events that affected British history and politics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5357. Russian Politics and Josef Stalin.
This course examines Josef Stalin's personal and public life, analyzes his accomplishments and failures, and generates a summative assessment of his impact on Russian and global politics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5358. Civil-Military Relations in Comparative Perspective.
This course is an intensive exploration of the subject of civil-military relations. Students critically examine the primary positive and normative theories of civil-military relations. They also investigate the state of civil-military relations in the United States and around the globe.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5359. Comparative Democratization.
This course examines the inner workings of autocracies and democracies in the developing world, as well as processes of regime transitions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5360. Economic Development in Developing Nations.
This course examines some of the factors that account for economic development/underdevelopment in developing nations. The factors examined include political, economic and institutional variables. These underlying variables reveal the multi-causal nature of socio-economic development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5361. Government and Politics of African States.
This course examines governments and politics of African states.
It examines the nature of domestic and international politics, the precolonial politics and political culture, the impact of the colonial period on politics, several cases of post-colonial successes and failures, the critical nature of external involvement in the politics, and the settings of civil war.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5362. Problems of Democracy in Latin America.
This course examines the main structural and institutional obstacles that stand in the way of high quality democracy in Latin America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5363. Party Systems in Latin America.
The course examines some key insights in party and party system theory and practice. Latin America is the regional referent for examining these themes, and country examples are studied in considerable depth to illustrate the theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5375. Seminar in International Relations Theory.
This course is designed to engage students in the major theoretical and conceptual traditions of international relations in order to assess the complex issues, developments and events constituting international politics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5377. Problems in International Organizations.
This course analyzes the structure, functions, and role of the international organizations in the international system. The course addresses the role of international regions, regional organizations, functional agencies, and bilateral organizations. The procedures and processes on international argument and policy-making are studied through participation in a model security council.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5378. Problems in International Law.
This course examines the nature, functions, and scope, of international law. It addresses several major areas including legal sources, diplomatic practice, territorial jurisdiction, legal personality, the law of state responsibility, asylum law, human rights, and the law of war. The course is heavily research oriented and includes moot court arbitration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5379. Problems in International Political Economy.
This course examines theories and issues in international political economy. The course emphasizes the political and economic conditions conducive to the development of cooperative international economic behavior among countries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5380. International Conflict and Security.
This course deals with the field of security studies. Security studies focuses on what Clausewitz famously called "politics by other means": war. This course centers on three enduring topics: the causes of war, the use of force, and the future of warfare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5389. Internship in Government.
This course offers students practical experience in the on-going work of a selected governmental unit. The student is evaluated on the basis of a research paper, work journal, and work performance. The approval of the graduate program director is required. It may be repeated once with different emphasis and with a maximum of 6 credit hours.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5390. Political Science Curriculum Development.
This course is designed for graduate students with a social science teacher emphasis who are interested in teaching dual credit courses on federal or state government. The course focuses on practical teaching matters including, construction of syllabi, delivering effective lectures, teaching formats, test construction, and grading practices Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5391. Political Science Teaching Practicum.
This course is designed for graduate students with a social science teacher emphasis who are interested in teaching dual credit courses. Prerequisite: PS 5390 with a grade of “B” or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5398. Directed Reading and Research.
This course is an advanced reading and/or research on various topics in political science under the direction of a graduate faculty member. It may be repeated once with different emphasis and professor for a maximum of 6 credit hours. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until a student has completed the thesis under a Political Science Thesis B course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PS 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Public Administration (M.P.A.) Major in Public Administration (Applied Research Project Concentration)

The M.P.A. program cultivates practical, research-oriented students for careers as reflective practitioners guided by democratic values, integrity and service. Students work with faculty who have been recognized nationally for their contribution to outstanding teaching, research, and service. The faculty leads practical research projects to inform public management and public policy in the region. The M.P.A. program is accredited by the Network of Schools of Public Policy, Affairs, and Administration (NASPAA).

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- statement of purpose (two pages in 12-point Times New Roman font, double-spaced with one-inch margins and full name in the header) addressing the following: academic interests, personal and professional experiences relevant for graduate work, motivations and accomplishments, potential as a graduate student and readiness for graduate school, interest in the M.P.A. program at Texas State and reasons the student would be a good fit, and aspirations and the specific goals
- two letters of recommendation
- public sector experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

***Additional Information**
If the last-60-hours GPA falls below the minimum requirement of 3.0, the student may submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.

Degree Requirements

The Master of Public Administration (M.P.A.) degree with a major in Public Administration concentration in Applied Research Project requires

39 semester credit hours. All students will be required to complete an applied research project (ARP) and complete an oral defense of the ARP.

Background

Students who have not completed a statistics course in the last five years with a grade of B or better will be required to take PA 5311 as a required elective. Students who do not have administrative experience must take PA 5389 Internship in Government. The internship can be waived by sending documentation of administrative experience directly to the M.P.A. director.

Course Requirements

Code	Title	Hours
Required Courses		
PA 5300	Introduction to Public Policy and Administration	3
PA 5310	Public Finance Administration	3
PA 5320	Organizational Theory, Change, and Behavior	3
PA 5330	Public Personnel Administration	3
PA 5340	Introduction to Public Law	3
PA 5350	Public Policy Processes	3
PA 5370	Public Management and Ethics	3
PA 5390	Applied Research Methodology	3
PA 5397	Research Design and Proposal Development for Public Administration	3
PA 5398	Applied Research Project	3
Electives		
Choose 9 hours from the following:		9
PA 5311	Introduction to Statistical Analysis	
PA 5312	Program Evaluation and Administrative Statistical Analysis	
PA 5313	Public Sector Economics	
PA 5314	Public Administration and Information Technology	
PA 5315	Public Performance Management	
PA 5331	Labor Management Relations	
PA 5332	Management Practices in Public Personnel Administration	
PA 5351	Urban Transportation Policy	
PA 5352	Comparative Public Administration	
PA 5353	Ecology and the Politics of Sustainability	
PA 5355	Environmental Policy	
PA 5361	Introduction to the Nonprofit and Voluntary Sector	
PA 5362	Alternative Public Service Delivery Systems	
PA 5388	Directed Reading and Research	
PA 5389	Internship in Government	
PA 5387	Research Practicum	
May choose advisor-approved electives from outside the department		
Total Hours		39

Applied Research Project

The Master of Public Administration (M.P.A.) degree with a major in Public Administration (Applied Research Project Concentration) requires 39 semester credit hours. All students will be required to complete an applied research prospectus (ARP) and complete an oral defense in PA 5397. Students may elect to engage in PA 5398 to complete the proposed research or select an additional 3 hours of "prescribed electives" to compete degree requirements.

Comprehensive Examination Requirements

An oral defense of the applied research project is required. The oral defense will serve as the comprehensive examination requirement.

Master's level courses in Public Administration: PA

Courses Offered

Public Administration (PA)

PA 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5300. Introduction to Public Policy and Administration.
This course introduces students to the study and practice of US public administration and policy. It also focuses on the dynamics of the democratic governance process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5310. Public Finance Administration.
This course examines the applied aspects of public finance including operating budgets, revenue estimation, capital budgeting, financial planning, budgetary decision-making, cost benefit analysis, and life-cycle costing. In addition, strategies for budget justification, presentation, and implementation are examined. The use of various budgetary tools and techniques are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5311. Introduction to Statistical Analysis.
This course applies quantitative methods to problems faced by public administration practitioners. Topics include the use of descriptive and inferential statistics as they apply to decision-making in public management. Students gain hands-on experience with data collection, analysis, and interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5312. Program Evaluation and Administrative Statistical Analysis.
This is an advanced course in the application of quantitative methods for the evaluation of public policies and programs. The course emphasizes the administrative and managerial environment. Prerequisite: PA 5311 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5313. Public Sector Economics.
This course presents basic concepts of economics as applied to the public sector. Principles of economics for policy analysis and management are examined in the context of collective action, public choice, resource allocation, and service delivery. The course also examines the financing of national, state, and local governments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5314. Public Administration and Information Technology.
This course explores the use of information technology in the public sector. It emphasizes the issues that public administrators need to know concerning the impact of information technology on their organizations. The course covers E-Democracy, E-Governance, Enterprise Architecture, Public Management Information Systems (PMIS), E-Procurement, and E-Commerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5315. Public Performance Management.
This course examines public sector performance management and measurement as tools for improving strategic planning, resource allocation, organizational learning, and internal operational processes. It also examines accountability, managerial performance, and evaluation processes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5320. Organizational Theory, Change, and Behavior.
This course analyzes classic and contemporary literature on organizational theory and behavior in the public sector. Emphasis is placed on history and development of organizational theory and core concepts such as organizational culture, power, and change. The implications of organizational theory for democratic governance are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5330. Public Personnel Administration.
This course introduces students to public personnel functions from a managerial perspective. Examples of topics covered include: recruitment and selection, perfomance evaluation, discipline, collective bargaining, classification, and compensation. Constructive leadership of government personnel that encourages a more competent, motivated, and representative administration workforce is emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5331. Labor Management Relations.
This course examines the historical development of public employee unions and the effects of collective bargaining agreements on personnel policy development. Public laws concerning collective bargaining procedures and strategy on the part of public managers are covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5332. Management Practices in Public Personnel Administration.
This course is a seminar-based examination of selected topics in public personnel administration including job analysis, position classification, test construction, performance appraisal, succession planning, and affirmative action. The role of the personnel office as a strategic partner in accomplishing organizational goals is also explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5340. Introduction to Public Law.
This course examines the regulatory environment, legal requirements, and constraints that public officials face when carrying out their durties. The use of online research tools to find adminstrative materials and analyze public law issues is emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5350. Public Policy Processes.
This course is an overview of the process of public policymaking including policy formulation and implementation. Emphasis is placed on actors in the policy process and on the political environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5351. Urban Transportation Policy.
This course presents basic components of transportation policy and planning. In addition to building an understanding of the historic foundation of transportation policy, students explore the underlying concepts related to congestion management, transit and active transportation planning, and impacts on land use and sustainability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5352. Comparative Public Administration.
This course examines differences in various national administrative systems and the role of international organizations. It explores differences that influence various public policy issues from countries around the world. Policy issues examined include poverty, human rights, health care, and the environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5353. Ecology and the Politics of Sustainability.
This course is an exploration of problems and policies dealing with air, water, waste, energy use, natural resources, sustainability, and global environmental issues. This class highlights the historical drivers of environmental policy. Implementation strategies, policy mechanisms, and compliance adherence are also examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5355. Environmental Policy.
This course will introduce students to the public policy process and the details of U.S. environmental policy and administration. Problems and policies dealing with air, water, solid waste, hazardous waste, energy use, natural resources, climate change, sustainability, and global environmental governance will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5361. Introduction to the Nonprofit and Voluntary Sector.
This course provides a foundation for understanding the history, scope, and function of the American nonprofit and voluntary sector. It includes an examination of the conceptual and theoretical underpinnings of the sector, and assessment of the role of these organizations in society, and their impact on public policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5362. Alternative Public Service Delivery Systems.
This course examines alternative delivery of public services. The reliance on market mechanisms, contracting out, and privatization are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5370. Public Management and Ethics.
This course explores issues of morality and ethics in the public sector. It also considers subjects such as administrative discretion, the public interest, democratic values, and dissent. The course aims to formulate a frame of reference for judging behavior and clarifying our role and responsibility as moral agents.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5380A. Texas Water Law and Policy.
This course examines the chief policy issue that will determine the future of Texas: how state and local agencies administer the state's ground- and surface water legal regimes. With the legal and regulatory framework in place, the course investigates pressing water policy issues that confront Texas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PA 5387. Research Practicum.
This course uses structured group research to analyze a current policy, management, or administrative issue. A professor-led research team completes a final report detailing findings and recommendations for action. May be repeated once for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5388. Directed Reading and Research.
This course guides students in directed reading and research on various topics in public policy and administration under the direction of a graduate faculty member. The course may be repeated once with a different emphasis for additional credit for a maximum of 6 credit hours. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5389. Internship in Government.
This course provides students with the opportunity to integrate classroom learning with practical experience. Students with little or no work experience related to public service are required to complete an internship. Students considering a career change should consider an internship. May be repeated once for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5390. Applied Research Methodology.
This course is an introduction to applied research methods in the public sector. Topics include the scientific method, research design, measurement, qualitative research, and sampling. Data collection methods such as survey research, content analysis, and secondary data analysis are also covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5397. Research Design and Proposal Development for Public Administration.
This course prepares students for the demands of academic and professional writing. Students learn how to identify a public problem, develop a research purpose statement, and complete a literature review around a conceptual framework. This course prepares the student for their Applied Research Project (ARP). Prerequisite: PS 5390 with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5398. Applied Research Project.
This course serves as the capstone experience for MPA students. Students complete an original and empirical Applied Reserach Project (ARP), complete an oral defense of the ARP, and prepare the ARP for publication. Prerequisite: PA 5397 with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in public administration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PA 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Public Administration (M.P.A.) Major in Public Administration (Non-thesis Option)

The M.P.A. program cultivates practical, research-oriented students for careers as reflective practitioners guided by democratic values, integrity and service. Students work with faculty who have been recognized nationally for their contribution to outstanding teaching, research, and service. The M.P.A. program is accredited by the Network of Schools of Public Policy, Affairs, and Administration (NASPAA).

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- statement of purpose (two pages in 12-point Times New Roman font, double-spaced with one-inch margins and full name in the header) addressing the following: academic interests, personal and professional experiences relevant for graduate work, motivations and accomplishments, potential as a graduate student and readiness for graduate school, interest in the M.P.A. program at Texas State and reasons the student would be a good fit, and aspirations and the specific goals
- two letters of recommendation
- public sector experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

***Additional Information**
If the last-60-hours GPA falls below the minimum requirement of 3.0, the student must submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a

master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.

Degree Requirements

The Master of Public Administration (M.P.A.) degree with a major in Public Administration requires 39 semester credit hours. Students in the non-thesis option are required to complete a comprehensive written exam and an oral defense of the examination.

Background

Students who have not completed a statistics course in the last five years with a grade of B or better will be required to take PA 5311 as a required elective. Students who do not have administrative experience must take PA 5389 Internship in Government. The internship can be waived by sending documentation of administrative experience directly to the M.P.A. director.

Course Requirements

Code	Title	Hours
Required Courses		
PA 5300	Introduction to Public Policy and Administration	3
PA 5310	Public Finance Administration	3
PA 5320	Organizational Theory, Change, and Behavior	3
PA 5330	Public Personnel Administration	3
PA 5340	Introduction to Public Law	3
PA 5350	Public Policy Processes	3
PA 5370	Public Management and Ethics	3
PA 5390	Applied Research Methodology	3
Electives		
Choose 15 hours from the following:		15
PA 5311	Introduction to Statistical Analysis	
PA 5312	Program Evaluation and Administrative Statistical Analysis	
PA 5314	Public Administration and Information Technology	
PA 5315	Public Performance Management	
PA 5331	Labor Management Relations	
PA 5332	Management Practices in Public Personnel Administration	
PA 5355	Environmental Policy	
PA 5361	Introduction to the Nonprofit and Voluntary Sector	
PA 5362	Alternative Public Service Delivery Systems	
PA 5388	Directed Reading and Research	
PA 5389	Internship in Government	
PA 5387	Research Practicum	
May choose advisor-approved electives from outside the department		
Total Hours		39

Comprehensive Examination Requirements

A written comprehensive examination over program content followed by an oral defense is required for completion of the M.P.A. non-thesis option.

Master's level courses in Public Administration: PA

Courses Offered

Public Administration (PA)

PA 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5300. Introduction to Public Policy and Administration.
This course introduces students to the study and practice of US public administration and policy. It also focuses on the dynamics of the democratic governance process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5310. Public Finance Administration.
This course examines the applied aspects of public finance including operating budgets, revenue estimation, capital budgeting, financial planning, budgetary decision-making, cost benefit analysis, and life-cycle costing. In addition, strategies for budget justification, presentation, and implementation are examined. The use of various budgetary tools and techniques are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5311. Introduction to Statistical Analysis.
This course applies quantitative methods to problems faced by public administration practitioners. Topics include the use of descriptive and inferential statistics as they apply to decision-making in public management. Students gain hands-on experience with data collection, analysis, and interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5312. Program Evaluation and Administrative Statistical Analysis.
This is an advanced course in the application of quantitative methods for the evaluation of public policies and programs. The course emphasizes the administrative and managerial environment. Prerequisite: PA 5311 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5313. Public Sector Economics.
This course presents basic concepts of economics as applied to the public sector. Principles of economics for policy analysis and management are examined in the context of collective action, public choice, resource allocation, and service delivery. The course also examines the financing of national, state, and local governments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5314. Public Administration and Information Technology.
This course explores the use of information technology in the public sector. It emphasizes the issues that public administrators need to know concerning the impact of information technology on their organizations. The course covers E-Democracy, E-Governance, Enterprise Architecture, Public Management Information Systems (PMIS), E-Procurement, and E-Commerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5315. Public Performance Management.
This course examines public sector performance management and measurement as tools for improving strategic planning, resource allocation, organizational learning, and internal operational processes. It also examines accountability, managerial performance, and evaluation processes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5320. Organizational Theory, Change, and Behavior.
This course analyzes classic and contemporary literature on organizational theory and behavior in the public sector. Emphasis is placed on history and development of organizational theory and core concepts such as organizational culture, power, and change. The implications of organizational theory for democratic governance are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5330. Public Personnel Administration.
This course introduces students to public personnel functions from a managerial perspective. Examples of topics covered include: recruitment and selection, perfomance evaluation, discipline, collective bargaining, classification, and compensation. Constructive leadership of government personnel that encourages a more competent, motivated, and representative administration workforce is emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5331. Labor Management Relations.
This course examines the historical development of public employee unions and the effects of collective bargaining agreements on personnel policy development. Public laws concerning collective bargaining procedures and strategy on the part of public managers are covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5332. Management Practices in Public Personnel Administration.
This course is a seminar-based examination of selected topics in public personnel administration including job analysis, position classification, test construction, performance appraisal, succession planning, and affirmative action. The role of the personnel office as a strategic partner in accomplishing organizational goals is also explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5340. Introduction to Public Law.
This course examines the regulatory environment, legal requirements, and constraints that public officials face when carrying out their durties. The use of online research tools to find adminstrative materials and analyze public law issues is emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5350. Public Policy Processes.
This course is an overview of the process of public policymaking including policy formulation and implementation. Emphasis is placed on actors in the policy process and on the political environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5351. Urban Transportation Policy.
This course presents basic components of transportation policy and planning. In addition to building an understanding of the historic foundation of transportation policy, students explore the underlying concepts related to congestion management, transit and active transportation planning, and impacts on land use and sustainability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5352. Comparative Public Administration.
This course examines differences in various national administrative systems and the role of international organizations. It explores differences that influence various public policy issues from countries around the world. Policy issues examined include poverty, human rights, health care, and the environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5353. Ecology and the Politics of Sustainability.
This course is an exploration of problems and policies dealing with air, water, waste, energy use, natural resources, sustainability, and global environmental issues. This class highlights the historical drivers of environmental policy. Implementation strategies, policy mechanisms, and compliance adherence are also examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5355. Environmental Policy.
This course will introduce students to the public policy process and the details of U.S. environmental policy and administration. Problems and policies dealing with air, water, solid waste, hazardous waste, energy use, natural resources, climate change, sustainability, and global environmental governance will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5361. Introduction to the Nonprofit and Voluntary Sector.
This course provides a foundation for understanding the history, scope, and function of the American nonprofit and voluntary sector. It includes an examination of the conceptual and theoretical underpinnings of the sector, and assessment of the role of these organizations in society, and their impact on public policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5362. Alternative Public Service Delivery Systems.
This course examines alternative delivery of public services. The reliance on market mechanisms, contracting out, and privatization are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5370. Public Management and Ethics.
This course explores issues of morality and ethics in the public sector. It also considers subjects such as administrative discretion, the public interest, democratic values, and dissent. The course aims to formulate a frame of reference for judging behavior and clarifying our role and responsibility as moral agents.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5380A. Texas Water Law and Policy.
This course examines the chief policy issue that will determine the future of Texas: how state and local agencies administer the state's ground- and surface water legal regimes. With the legal and regulatory framework in place, the course investigates pressing water policy issues that confront Texas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PA 5387. Research Practicum.
This course uses structured group research to analyze a current policy, management, or administrative issue. A professor-led research team completes a final report detailing findings and recommendations for action. May be repeated once for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5388. Directed Reading and Research.
This course guides students in directed reading and research on various topics in public policy and administration under the direction of a graduate faculty member. The course may be repeated once with a different emphasis for additional credit for a maximum of 6 credit hours. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5389. Internship in Government.
This course provides students with the opportunity to integrate classroom learning with practical experience. Students with little or no work experience related to public service are required to complete an internship. Students considering a career change should consider an internship. May be repeated once for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5390. Applied Research Methodology.
This course is an introduction to applied research methods in the public sector. Topics include the scientific method, research design, measurement, qualitative research, and sampling. Data collection methods such as survey research, content analysis, and secondary data analysis are also covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5397. Research Design and Proposal Development for Public Administration.
This course prepares students for the demands of academic and professional writing. Students learn how to identify a public problem, develop a research purpose statement, and complete a literature review around a conceptual framework. This course prepares the student for their Applied Research Project (ARP). Prerequisite: PS 5390 with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5398. Applied Research Project.
This course serves as the capstone experience for MPA students. Students complete an original and empirical Applied Reserach Project (ARP), complete an oral defense of the ARP, and prepare the ARP for publication. Prerequisite: PA 5397 with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in public administration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PA 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Public Administration (M.P.A.) Major in Public Administration (Thesis Option)

The M.P.A. program cultivates practical, research-oriented students for careers as reflective practitioners guided by democratic values, integrity and service. Students work with faculty who have been recognized nationally for their contribution to outstanding teaching, research, and service. The M.P.A. program is accredited by the Network of Schools of Public Policy, Affairs, and Administration (NASPAA).

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- statement of purpose (two pages in 12-point Times New Roman font, double-spaced with one-inch margins and full name in the header) addressing the following: academic interests, personal and professional experiences relevant for graduate work, motivations and accomplishments, potential as a graduate student and readiness for graduate school, interest in the M.P.A. program at Texas State and reasons the student would be a good fit, and aspirations and the specific goals
- two letters of recommendation
- public sector experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

***Additional Information**
If the last-60-hours GPA falls below the minimum requirement of 3.0, the student must submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.

Degree Requirements

The Master of Public Administration (M.P.A.) degree with a major in Public Administration requires 39 semester credit hours. All students will be required to complete a thesis and an oral defense of the thesis.

Background

Students who have not completed a statistics course in the last five years with a grade of B or better will be required to take PA 5311 as a required elective. Students who do not have administrative experience must take PA 5389 Internship in Government. The internship can be waived by sending documentation of administrative experience directly to the M.P.A. director.

Course Requirements

Code	Title	Hours
Required Courses		
PA 5300	Introduction to Public Policy and Administration	3
PA 5310	Public Finance Administration	3
PA 5320	Organizational Theory, Change, and Behavior	3
PA 5330	Public Personnel Administration	3
PA 5340	Introduction to Public Law	3
PA 5350	Public Policy Processes	3
PA 5370	Public Management and Ethics	3
PA 5390	Applied Research Methodology	3
Electives		
Choose 9 hours from the following:		9
PA 5311	Introduction to Statistical Analysis	
PA 5312	Program Evaluation and Administrative Statistical Analysis	
PA 5314	Public Administration and Information Technology	
PA 5315	Public Performance Management	
PA 5331	Labor Management Relations	
PA 5332	Management Practices in Public Personnel Administration	
PA 5355	Environmental Policy	
PA 5361	Introduction to the Nonprofit and Voluntary Sector	
PA 5362	Alternative Public Service Delivery Systems	
PA 5387	Research Practicum	
PA 5388	Directed Reading and Research	
PA 5389	Internship in Government	
May choose advisor-approved electives from outside the department		
Thesis		
PA 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
PA 5199B	Thesis	
PA 5299B	Thesis	
PA 5399B	Thesis	
PA 5599B	Thesis	
PA 5999B	Thesis	
Total Hours		39

Thesis

Students registering for PA 5399A must prepare a thesis proposal under the guidance of a thesis chair that includes a statement of the problem, literature review, theoretical framework, research design, data collection procedures, and a representative bibliography. Upon successful completion of PA 5399A, students may register for PA 5399B with thesis chair approval.

Comprehensive Examination Requirements

An oral thesis defense is required. The oral thesis defense will serve as the comprehensive examination requirement.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Public Administration: PA

Courses Offered

Public Administration (PA)

PA 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5300. Introduction to Public Policy and Administration.
This course introduces students to the study and practice of US public administration and policy. It also focuses on the dynamics of the democratic governance process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5310. Public Finance Administration.
This course examines the applied aspects of public finance including operating budgets, revenue estimation, capital budgeting, financial planning, budgetary decision-making, cost benefit analysis, and life-cycle costing. In addition, strategies for budget justification, presentation, and implementation are examined. The use of various budgetary tools and techniques are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5311. Introduction to Statistical Analysis.
This course applies quantitative methods to problems faced by public administration practitioners. Topics include the use of descriptive and inferential statistics as they apply to decision-making in public management. Students gain hands-on experience with data collection, analysis, and interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5312. Program Evaluation and Administrative Statistical Analysis.
This is an advanced course in the application of quantitative methods for the evaluation of public policies and programs. The course emphasizes the administrative and managerial environment. Prerequisite: PA 5311 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5313. Public Sector Economics.
This course presents basic concepts of economics as applied to the public sector. Principles of economics for policy analysis and management are examined in the context of collective action, public choice, resource allocation, and service delivery. The course also examines the financing of national, state, and local governments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5314. Public Administration and Information Technology.
This course explores the use of information technology in the public sector. It emphasizes the issues that public administrators need to know concerning the impact of information technology on their organizations. The course covers E-Democracy, E-Governance, Enterprise Architecture, Public Management Information Systems (PMIS), E-Procurement, and E-Commerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5315. Public Performance Management.
This course examines public sector performance management and measurement as tools for improving strategic planning, resource allocation, organizational learning, and internal operational processes. It also examines accountability, managerial performance, and evaluation processes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5320. Organizational Theory, Change, and Behavior.
This course analyzes classic and contemporary literature on organizational theory and behavior in the public sector. Emphasis is placed on history and development of organizational theory and core concepts such as organizational culture, power, and change. The implications of organizational theory for democratic governance are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5330. Public Personnel Administration.
This course introduces students to public personnel functions from a managerial perspective. Examples of topics covered include: recruitment and selection, perfomance evaluation, discipline, collective bargaining, classification, and compensation. Constructive leadership of government personnel that encourages a more competent, motivated, and representative administration workforce is emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5331. Labor Management Relations.
This course examines the historical development of public employee unions and the effects of collective bargaining agreements on personnel policy development. Public laws concerning collective bargaining procedures and strategy on the part of public managers are covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5332. Management Practices in Public Personnel Administration.
This course is a seminar-based examination of selected topics in public personnel administration including job analysis, position classification, test construction, performance appraisal, succession planning, and affirmative action. The role of the personnel office as a strategic partner in accomplishing organizational goals is also explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5340. Introduction to Public Law.
This course examines the regulatory environment, legal requirements, and constraints that public officials face when carrying out their durties. The use of online research tools to find adminstrative materials and analyze public law issues is emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5350. Public Policy Processes.
This course is an overview of the process of public policymaking including policy formulation and implementation. Emphasis is placed on actors in the policy process and on the political environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5351. Urban Transportation Policy.
This course presents basic components of transportation policy and planning. In addition to building an understanding of the historic foundation of transportation policy, students explore the underlying concepts related to congestion management, transit and active transportation planning, and impacts on land use and sustainability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5352. Comparative Public Administration.
This course examines differences in various national administrative systems and the role of international organizations. It explores differences that influence various public policy issues from countries around the world. Policy issues examined include poverty, human rights, health care, and the environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5353. Ecology and the Politics of Sustainability.
This course is an exploration of problems and policies dealing with air, water, waste, energy use, natural resources, sustainability, and global environmental issues. This class highlights the historical drivers of environmental policy. Implementation strategies, policy mechanisms, and compliance adherence are also examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5355. Environmental Policy.
This course will introduce students to the public policy process and the details of U.S. environmental policy and administration. Problems and policies dealing with air, water, solid waste, hazardous waste, energy use, natural resources, climate change, sustainability, and global environmental governance will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5361. Introduction to the Nonprofit and Voluntary Sector.
This course provides a foundation for understanding the history, scope, and function of the American nonprofit and voluntary sector. It includes an examination of the conceptual and theoretical underpinnings of the sector, and assessment of the role of these organizations in society, and their impact on public policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5362. Alternative Public Service Delivery Systems.
This course examines alternative delivery of public services. The reliance on market mechanisms, contracting out, and privatization are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5370. Public Management and Ethics.
This course explores issues of morality and ethics in the public sector. It also considers subjects such as administrative discretion, the public interest, democratic values, and dissent. The course aims to formulate a frame of reference for judging behavior and clarifying our role and responsibility as moral agents.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5380A. Texas Water Law and Policy.
This course examines the chief policy issue that will determine the future of Texas: how state and local agencies administer the state's ground- and surface water legal regimes. With the legal and regulatory framework in place, the course investigates pressing water policy issues that confront Texas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PA 5387. Research Practicum.
This course uses structured group research to analyze a current policy, management, or administrative issue. A professor-led research team completes a final report detailing findings and recommendations for action. May be repeated once for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5388. Directed Reading and Research.
This course guides students in directed reading and research on various topics in public policy and administration under the direction of a graduate faculty member. The course may be repeated once with a different emphasis for additional credit for a maximum of 6 credit hours. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5389. Internship in Government.
This course provides students with the opportunity to integrate classroom learning with practical experience. Students with little or no work experience related to public service are required to complete an internship. Students considering a career change should consider an internship. May be repeated once for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5390. Applied Research Methodology.
This course is an introduction to applied research methods in the public sector. Topics include the scientific method, research design, measurement, qualitative research, and sampling. Data collection methods such as survey research, content analysis, and secondary data analysis are also covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5397. Research Design and Proposal Development for Public Administration.
This course prepares students for the demands of academic and professional writing. Students learn how to identify a public problem, develop a research purpose statement, and complete a literature review around a conceptual framework. This course prepares the student for their Applied Research Project (ARP). Prerequisite: PS 5390 with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5398. Applied Research Project.
This course serves as the capstone experience for MPA students. Students complete an original and empirical Applied Reserach Project (ARP), complete an oral defense of the ARP, and prepare the ARP for publication. Prerequisite: PA 5397 with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in public administration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PA 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Minor in Legal Studies

The graduate minor in Legal Studies requires 9-12 semester credit hours. Students in the Legal Studies minor must meet with the director of the legal studies program prior to enrollment in the following courses. The minor, by itself, does not constitute an ABA-approved program for paralegal study.

Code	Title	Hours
Required Course		
LS 5320	Legal Research	3
Electives		
Choose 6 to 9 hours from the following:		6-9
LS 5330	Legal Theories and Analysis	
LS 5340	Litigation	
LS 5343	Family Law	
LS 5349	Business Organizations	
LS 5350	Legal Drafting	
LS 5351	Estates and Trusts	
LS 5353	Real Estate	
LS 5359	Alternative Dispute Resolution	
LS 5361	Criminal Law and Procedure	
LS 5363	Social Legislation	
LS 5371	Intellectual Property Law	
LS 5373	Contract Law	
Total Hours		9-12

Minor in Political Science

The graduate minor in Political Science requires 9 semester credit hours.

Code	Title	Hours
Required Courses		
Choose 9 hours from the following:		9
PS 5301	Approaches to the Study of Political Science	
PS 5302	Political Research and Methodology	
PS 5310	Studies in Ancient and Medieval Political Thought	
PS 5311	Social Contract Theory	
PS 5312	Roots of American Constitutionalism	
PS 5313	Justice and Liberty in American Thought	
PS 5315	Contemporary Perspectives in Modern Liberalism	
PS 5316	The Crisis of Liberalism and The Future of Democracy	
PS 5317	Theological Perspectives in Modern Democracy	
PS 5318	The Problem of Power and the Crisis of Modernity	
PS 5330A	Nuclear Weapons in International Politics	
PS 5330B	Tocqueville and American Democracy	
PS 5332	Problems in American Foreign Relations	
PS 5334	Texas Politics	
PS 5335	The Role of Interests in America	
PS 5336	Property, Liberty, and Popular Sovereignty	
PS 5337	American Political Culture	
PS 5338	American Political Discourse	
PS 5339	The American Presidency	
PS 5340	Congress and the Legislative Process	
PS 5341	Seminar in Constitutional Law and Theory	
PS 5356	The British Political Order Since 1900	
PS 5357	Russian Politics and Josef Stalin	
PS 5358	Civil-Military Relations in Comparative Perspective	
PS 5360	Economic Development in Developing Nations	
PS 5361	Government and Politics of African States	
PS 5375	Seminar in International Relations Theory	
PS 5377	Problems in International Organizations	
PS 5378	Problems in International Law	
PS 5379	Problems in International Political Economy	
PS 5380	International Conflict and Security	
PS 5389	Internship in Government	
Total Hours		9

Certificate in Paralegal Studies

Program Overview

A "paralegal" is a professional who is trained to handle certain law-related responsibilities as an integral member of a legal staff. A paralegal is not admitted to the practice of law in Texas but has, through education, training and experience, demonstrated knowledge of the legal system, legal principles and procedures and uses such knowledge in rendering paralegal assistance to an attorney in the representation of that attorney's clients. The functions of a paralegal are limited only to the extent that they are limited by law. The properly trained paralegal may, under the supervision of a lawyer, perform a variety of functions

that include researching legal issues, drafting documents, managing complex files, developing legal practice systems, interviewing witnesses, conducting fact investigations, summarizing depositions, and assisting the attorney in and out of the courtroom.

Our program is unique because we have one of the few professional certificate programs offered by a university at the graduate level. Our program is offered through the Department of Political Science and the Graduate College. We must comply with strict requirements regarding our curriculum, our faculty, and the type of student entering our program. The program consists of 24 graduate level hours and may be completed in two or more semesters.

As a result of the inherent structure of our program, we offer one of the best professional paralegal programs in the state of Texas and in the United States. Our program is superior for at least three reasons:

- the type of student entering the program (see admission requirements (http://mals.polisci.txstate.edu/LS-program/Admission-Requirements.html)).
- the balanced curriculum offered.
- the faculty teaching in the program. (Each of our faculty instructors has had experience as a practicing attorney, and all have experience working with paralegals.

Also, our program has been approved by the American Bar Association (ABA) and is an institutional member of the American Association for Paralegal Education (AAfPE).

This certificate program requires concurrent enrollment in the Master of Arts major in Legal Studies (p. 2162) at Texas State University.

The Paralegal Studies certificate program is an ABA-approved, non-degree certificate program available to students who have a baccalaureate degree and a minimum 3.0 grade-point average (on a 4.0 scale) on the last 60 semester hours of undergraduate work and are currently pursing a master's degree at Texas State. This certificate program is designed to prepare students to perform as highly qualified paralegals (also referred to as “legal assistants”) with both a theoretical knowledge of substantive law as well as practical skills. A paralegal is not licensed to practice law but is trained to handle certain law related responsibilities under the supervision and direction of a licensed attorney. Applicants to this program must also successfully complete an interview with the director of the paralegal program. This certificate program requires concurrent enrollment in the Master of Arts major in Legal Studies at Texas State University.

Course Requirements

Students must successfully complete a 24-hour curriculum while maintaining an overall “B” average and must receive a “B” or better in each required course.

Code	Title	Hours
LS 5310	Introduction to the Paralegal Profession and Legal Technology	3
LS 5320	Legal Research	3
LS 5330	Legal Theories and Analysis	3
LS 5340	Litigation	3
LS 5350	Legal Drafting	3
LS 5389	Law Office Internship	3
Electives		
Select 6 hours from the following:		6
LS 5341	Administrative Law	
LS 5343	Family Law	
LS 5349	Business Organizations	
LS 5351	Estates and Trusts	
LS 5353	Real Estate	
LS 5359	Alternative Dispute Resolution	
LS 5361	Criminal Law and Procedure	
LS 5363	Social Legislation	
LS 5371	Intellectual Property Law	
LS 5373	Contract Law	
LS 5379	Issues and Problems in Law	
Total Hours		24

Department of Psychology

Undergraduate Academic Center Room 253
T: 512.245.2526 F: 512.245.3153
http://www.psych.txstate.edu/

The goal of the Master of Arts in Psychological Research program in the Department of Psychology at Texas State is to foster competence in the methodological foundations and conduct of psychological research across a wide variety of settings. The program has a strong empirical orientation and focus is placed on learning interpersonal/research skills and statistical competencies relevant to the responsible and ethical conduct of both basic and applied psychological research. This program is appropriate for individuals wishing to work in research settings or intending to pursue a doctoral degree in Psychology.

The Department of Psychology is housed in the Undergraduate Academic Center (UAC), a LEED-certified building completed in June 2012. Current research facilities in the department include a saliva analysis laboratory, separate 40-channel and 64-channel EEG systems, Doppler imaging equipment, state-of-the-art observation rooms, a dedicated computer lab for research, and a variety of other faculty research labs used for studies on addiction, cognition, exercise, sleep, and many other health-related issues. Faculty areas of expertise include clinical, neuropsychology, cognitive neuroscience, health psychology, quantitative psychology, developmental psychology, and social psychology, among others.

In accordance with the reclassification of Texas State as an Emerging Research University in January 2012, the Department of Psychology is committed to expanding its research agenda while retaining its lasting commitment to teaching. The department strongly supports the view that research and teaching are complimentary activities. Thus, our goal is to gain national and international recognition as a research-oriented teaching-intensive department.

Master of Arts (M.A.)

- Major in Psychological Research (Non-thesis Option) (p. 2191)
- Major in Psychological Research (Thesis Option) (p. 2195)

Minor

- Psychology (p. 2200)

Master of Arts (M.A.) Major in Psychological Research (Non-thesis Option)

Major Program

The Master of Arts (M.A.) with a major in Psychological Research is designed to foster competence in the methodological foundations and conduct of psychological research across a wide variety of settings. Students will gain expertise regarding the impact of biological, social, emotional, cognitive, and behavioral factors on psychological phenomena. Focus is placed on learning interpersonal/research skills and statistical competencies relevant to the responsible and ethical conduct of both basic and applied psychological research.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in the following prerequisite courses:
  - Introduction to Psychology
  - Quantitative and Statistical Methods
  - Experimental and Research Methods
- official GRE (general test only) with competitive scores
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- research interest statement listing three faculty members in the Texas State Psychology Department whose research interests most closely match the student's
- resume/CV including prior experience in research or clinical areas, awards, and scholarships
- statement of purpose (approximately 1–2 pages) conveying research interests, plans for graduate study, professional aspirations, and career goals. Students should indicate how their scholarly interests fit with those of specific faculty members in the Department of Psychology, as well as any relevant experience, special abilities, or skills (e.g., computer programming, fluency in another language).
- three letters of recommendation from non-related individuals familiar with the student's scholarly work and/or relevant experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Psychological Research requires 38 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
PSY 5198	Research Seminar (Taken twice)	2
PSY 5311	Univariate and Bivariate Statistics	3
PSY 5321	Multivariate Statistics	3
PSY 5324	Biological Bases of Behavior	3
PSY 5391	Research Methods & Experimental Design	3
PSY 5366	Individual Study (Taken twice)	6
Electives		
Choose 18 hours from the following:		18
PSY 5306	Psychological Development: Theories & Research	
PSY 5310	Advanced Abnormal Psychology	
PSY 5314	Attitudes: Assessment and Change	
PSY 5317	Group Processes and Interpersonal Dynamics	
PSY 5318	Assessment in Psychology	
PSY 5320	Principles of Measurement and Statistics	
PSY 5334	Health Issues in Diverse Population	
PSY 5335	Foundations of Health Psychology	
PSY 5342	Professional Ethics and Standards of Practice	
PSY 5343	Occupational Health	
PSY 5345	Psychopharmacology	
PSY 5348	Health Psychology: Prevention and Intervention	
PSY 5352	Psychological Therapies	
PSY 5360G	Forensic Psychology	
PSY 5370	Learning, Cognition, and Motivation	
PSY 5392	Program Evaluation	
PSY 5395	Practicum I	
PSY 5396	Practicum II	
PSY 5398	Internship in Psychology	
Total Hours		38

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Psychology: PSY

Courses Offered

Psychology (PSY)

PSY 5105. Practicum in Teaching Psychology.
This course will examine processes and strategies designed to improve the teaching and learning process. Students will be introduced to learning and instructional theory and selected concepts, issues, and strategies of instructional planning, delivery, management, and evaluation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PSY 5198. Research Seminar.
Taken in two consecutive semesters, this seminar provides an orientation to the graduate program and the steps required for thesis completion. Topics include the discussion of research interests, critiquing literature, and topic selection; developing and submitting a research proposal; selecting a thesis committee; and thesis completion and submission. Restricted to M.A. students in Psychological Research.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5199B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PSY 5299B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PSY 5306. Psychological Development: Theories & Research.
This course is an advanced coverage of biological, social, and cognitive development throughout the lifespan. Topics include cognitive developmental theory, sensory/perceptual development, language development, infant attachment, the development of gender roles, moral development, and issues related to aging. Prerequisite: PSY 3300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5310. Advanced Abnormal Psychology.
Critical analysis of the definition and classification of abnormal behavior and experiences and an in-depth study of theories and research on causes, remediation, and prevention. Prerequisite: PSY 3315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5311. Univariate and Bivariate Statistics.
This course introduces students to univariate and bivariate statistical concepts and techniques used in psychology research (e.g., probability, sampling distributions, t-tests, and analysis of variance, correlation). Emphasis is placed on developing skills in data analysis including the selection of appropriate techniques, using data analysis software, and interpretation of statistical results. Prerequisite: PSY 2301 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

PSY 5314. Attitudes: Assessment and Change.
This course reviews social cognitive theories and research on attitudes and behavior change, and examines the principles of persuasive communication. Topics covered include individual differences in information processing, risk assessment, decision making and factors moderating attitude-behavior consistency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5317. Group Processes and Interpersonal Dynamics.
Designed to train future professionals in both the cognitive and personal issues related to group behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5318. Assessment in Psychology.
The course will provide an overview of assessment instruments commonly used by psychologists and neuropsychologists in research and practice. Basic psychometrics such as validity and reliability also will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5320. Principles of Measurement and Statistics.
The course emphasizes classical measurement theory, including reliability and validity of measurement instruments commonly used in psychology, and reviews descriptive statistics with a focus on correlation and regression. Prerequisite: Course in undergraduate statistics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5321. Multivariate Statistics.
This course introduces students to multivariate statistical techniques commonly used in psychological research such as analysis of variance and covariance, multiple regression, and factor analysis. Emphasis is placed on developing applied skills in data analysis: selection of appropriate statistical techniques, using data analysis software, and interpretation of statistical results. Prerequisite: PSY 5311 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

PSY 5324. Biological Bases of Behavior.
This course provides an overview of the nervous system structure and function appropriate to the overall field of Psychology in order to foster an appreciation of the biological determinants of behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5326. Neuropsychological Assessment.
This course will introduce principles of neuropsychological assessment including assessment procedures, interpretation of results, neuropathology, and the range of neuropsychological functions to be assessed. This course will also cover the characteristics and administration of several neuropsychological assessment instruments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5334. Health Issues in Diverse Population.
This course examines the influence of socio-cultural beliefs and perceptions on health behaviors and the use of health services. The various ways in which race, ethnicity, gender and social class are related to the delivery of health care and opportunities to facilitate health care to the most vulnerable are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5335. Foundations of Health Psychology.
This course will utilize a biopsychosocial approach to understand the psychology of wellness and disease. Topics include stress, coping, pain, social support, and chronic illness. Special emphasis will focus on physiological responses, psychoneuroimmunology, and somatization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5342. Professional Ethics and Standards of Practice.
This course will focus on the study of APA ethical principles and standards of practice with emphasis on their applicability to research. Ethical decision-making and research, landmark studies, legal cases, and controversies in the field will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5343. Occupational Health.
This course focuses on promoting and maintaining the physical, mental, and social well-being of workers by promoting positive health behaviors, controlling risk factors, and facilitating the adaptation of work to people and people to their jobs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5345. Psychopharmacology.
This course explores: (1) the reasons that humans and animals consume mind altering substances called psychoactive drugs, (2) the neuronal, chemical, and hormonal mechanisms underlying drug action, and (3) the environmental factors that modulate the impact of psychoactive drugs on emotional, cognitive, perceptual and behavioral expression in humans and animals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5348. Health Psychology: Prevention and Intervention.
This course will focus on primary, secondary and tertiary prevention and intervention strategies to enhance health and wellness. Topics will include health-promoting behaviors, risky health behaviors, theories of health behavior change, the process of medical care, and treatment adherence. Special emphasis will be on planning, implementation, and assessment of interventions. Prerequisites: PSY 5335 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5352. Psychological Therapies.
This survey course on evidence-based psychological interventions focuses on the active mechanisms by which therapies work and their application to specific diagnostic categories and conditions. Interpersonal, behavioral, cognitive-behavioral, and dialectical behavior therapies will be highlighted along with newer empirically-based therapies such as Acceptance and Commitment Therapy and mindfulness approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5360G. Forensic Psychology.
Examination of the relationships between psychology and the Criminal Justice system. Emphasis is placed on how psychology variables influence how individuals carry out their duties within the system. Sample topics include: (a) psychology and jury decision-making, (b) accuracy/impact of eyewitnesses testimony, and (c) how characteristics of defendants influence juries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

PSY 5360H. Psychology of Women.
The course includes an in-depth examination of the development of women's roles and gender differences as well as a consideration of women's relationships, sexuality, employment, and diversity. Special topics such as women and violence will also be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

PSY 5360N. Advanced Statistical Methodology.
An overview of commonly used statistical methods in scientific research, with a core focus on generalized linear mixed models for individual studies and meta-analysis for study aggregation. Analyses will be implemented primarily in the R statistical programming environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 5360O. Applied Biostatistics in Health Research.
This course will examine methodological approaches and applied biostatistics in health research. Emphasis on non-parametric univariate and multivariate statistical tests. Prerequisite: PSY 5311 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 5360P. Psychology of Culture and Diversity.
This course provides a graduate level introduction to psychological theories and methods that examine the links between culture and human behavior, affect and cognitions. The course explores the relevance of these links to life development, mental health, social and gender identity, and sexuality. The student is expected to gain critical thinking skills in evaluating the validity of psychological knowledge within a cultural context. More importantly, the students are expected to gain an appreciation and understanding for cultural variation in human behavior across different cultures and an enhanced awareness and ability to work with a culturally diverse and multicultural population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 5362. Cognitive Neuroscience.
This course provides a comprehensive introduction to cognitive neuroscience: the study of the biological basis of cognitive processes such as perception, attention, memory, language, and decision-making. This is a seminar course that will cover theoretical constructs, methods, and current research findings in cognitive neuroscience. Prerequisite: PSY 3322 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5366. Individual Study.
Students design and execute original research or engage in extensive fieldwork in the field of psychology under the supervision of a faculty member. May be repeated once for credit. Prerequisite: PSY 5391 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PSY 5367. Research Seminar in Social Psychology.
The course provides an in-depth examination of selected topics in social psychology. The focus of student commitment and responsibility is learning about social psychology and actively producing psychological knowledge. The course covers the research process and concludes with each student developing a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5370. Learning, Cognition, and Motivation.
Basic problems in the acquisition of responses, treating with such constructs as reinforcement, extinction, retention, forgetting, problem solving, motivation, and punishment. Major theories are treated through attention to classical experiments, but greatest emphasis is given to contemporary research. See Educational Psychology 5370.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5373. Human Memory and Memory Disorders.
This course provides a comprehensive overview of topics in human memory including different types of memory and the brain structures involved. Special emphasis will be given to problems with memory including aging memory, amnesia, and Alzheimer's disease. This course will cover current theories of memory with discussions of cutting-edge research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5374. The Psychology of Language.
This course provides a grounding in the cognitive theories/models of the major areas of language research: acquisition, comprehension, and production. It also provides an overview of the cognitive processes involved in several specific topic areas in language, such as syntax, semantics, discourse, prosody, bilingualism, neuro-linguistics, sign language, and reading.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5381. Introduction to Psychophysiology.
This course will provide an overview of the principles, theory, and applications of using physiological measures to study mental processes. This course will illustrate how the use of psychophysiological measurements can enhance our understanding of brain/mind/behavior relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5391. Research Methods & Experimental Design.
Problems in psychology, emphasis on research procedures. A research project is required of each student. Restricted to M.A. students in Psychological Research.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5392. Program Evaluation.
Introduces the theory and techniques of program evaluation. Addresses all phases of program evaluations, including: conceptualization, planning, implementation, methodological and ethical issues, and analyzing and reporting results. Emphasis is placed on experimental and quasi-experimental methods commonly used in the evaluation of health programs. Prerequisite: PSY 5320 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5395. Practicum I.
Structured practical experience in health psychology at private or public setting. Supervision will be provided by a member of the graduate faculty and by a key individual at the site. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PSY 5396. Practicum II.
Structured practical experience in health psychology at private or public setting. Supervision will be provided both by a member of the graduate faculty and by a key individual at the site. Prerequisite: PSY 5395.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PSY 5398. Internship in Psychology.
Students engage in extensive field work in a professional setting related to psychology. Prerequisite: PSY 5311 and PSY 5321 and PSY 5391 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in PSY 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PSY 5399B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PSY 5599B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PSY 5999B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Psychological Research (Thesis Option)

Major Program

The Master of Arts (M.A.) with a major in Psychological Research is designed to foster competence in the methodological foundations and conduct of psychological research across a wide variety of settings. Students will gain expertise regarding the impact of biological, social, emotional, cognitive, and behavioral factors on psychological phenomena. Focus is placed on learning interpersonal/research skills and statistical competencies relevant to the responsible and ethical conduct of both basic and applied psychological research.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in the following prerequisite courses:
  - Introduction to Psychology
  - Quantitative and Statistical Methods
  - Experimental and Research Methods
- official GRE (general test only) with competitive scores
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- research interest statement listing three faculty members in the Texas State Psychology Department whose research interests most closely match the student's
- resume/CV including prior experience in research or clinical areas, awards, and scholarships
- statement of purpose (approximately 1–2 pages) conveying research interests, plans for graduate study, professional aspirations, and career goals. Students should indicate how their scholarly interests fit with those of specific faculty members in the Department of Psychology, as well as any relevant experience, special abilities, or skills (e.g., computer programming, fluency in another language).
- three letters of recommendation from non-related individuals familiar with the student's scholarly work and/or relevant experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Psychological Research requires 38 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
PSY 5198	Research Seminar (Taken twice)	2
PSY 5311	Univariate and Bivariate Statistics	3

PSY 5321	Multivariate Statistics	3
PSY 5324	Biological Bases of Behavior	3
PSY 5391	Research Methods & Experimental Design	3
Electives		
Choose 18 hours from the following:		18
PSY 5306	Psychological Development: Theories & Research	
PSY 5310	Advanced Abnormal Psychology	
PSY 5314	Attitudes: Assessment and Change	
PSY 5317	Group Processes and Interpersonal Dynamics	
PSY 5318	Assessment in Psychology	
PSY 5320	Principles of Measurement and Statistics	
PSY 5334	Health Issues in Diverse Population	
PSY 5335	Foundations of Health Psychology	
PSY 5342	Professional Ethics and Standards of Practice	
PSY 5343	Occupational Health	
PSY 5345	Psychopharmacology	
PSY 5348	Health Psychology: Prevention and Intervention	
PSY 5352	Psychological Therapies	
PSY 5360G	Forensic Psychology	
PSY 5370	Learning, Cognition, and Motivation	
PSY 5392	Program Evaluation	
PSY 5395	Practicum I	
PSY 5396	Practicum II	
PSY 5398	Internship in Psychology	
Thesis		
PSY 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
PSY 5199B	Thesis	
PSY 5299B	Thesis	
PSY 5399B	Thesis	
PSY 5599B	Thesis	
PSY 5999B	Thesis	
Total Hours		38

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements.

After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Psychology: PSY

Courses Offered

Psychology (PSY)

PSY 5105. Practicum in Teaching Psychology.
This course will examine processes and strategies designed to improve the teaching and learning process. Students will be introduced to learning and instructional theory and selected concepts, issues, and strategies of instructional planning, delivery, management, and evaluation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PSY 5198. Research Seminar.
Taken in two consecutive semesters, this seminar provides an orientation to the graduate program and the steps required for thesis completion. Topics include the discussion of research interests, critiquing literature, and topic selection; developing and submitting a research proposal; selecting a thesis committee; and thesis completion and submission. Restricted to M.A. students in Psychological Research.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5199B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PSY 5299B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PSY 5306. Psychological Development: Theories & Research.
This course is an advanced coverage of biological, social, and cognitive development throughout the lifespan. Topics include cognitive developmental theory, sensory/perceptual development, language development, infant attachment, the development of gender roles, moral development, and issues related to aging. Prerequisite: PSY 3300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5310. Advanced Abnormal Psychology.
Critical analysis of the definition and classification of abnormal behavior and experiences and an in-depth study of theories and research on causes, remediation, and prevention. Prerequisite: PSY 3315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5311. Univariate and Bivariate Statistics.
This course introduces students to univariate and bivariate statistical concepts and techniques used in psychology research (e.g., probability, sampling distributions, t-tests, and analysis of variance, correlation). Emphasis is placed on developing skills in data analysis including the selection of appropriate techniques, using data analysis software, and interpretation of statistical results. Prerequisite: PSY 2301 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

PSY 5314. Attitudes: Assessment and Change.
This course reviews social cognitive theories and research on attitudes and behavior change, and examines the principles of persuasive communication. Topics covered include individual differences in information processing, risk assessment, decision making and factors moderating attitude-behavior consistency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5317. Group Processes and Interpersonal Dynamics.
Designed to train future professionals in both the cognitive and personal issues related to group behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5318. Assessment in Psychology.
The course will provide an overview of assessment instruments commonly used by psychologists and neuropsychologists in research and practice. Basic psychometrics such as validity and reliability also will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5320. Principles of Measurement and Statistics.
The course emphasizes classical measurement theory, including reliability and validity of measurement instruments commonly used in psychology, and reviews descriptive statistics with a focus on correlation and regression. Prerequisite: Course in undergraduate statistics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5321. Multivariate Statistics.
This course introduces students to multivariate statistical techniques commonly used in psychological research such as analysis of variance and covariance, multiple regression, and factor analysis. Emphasis is placed on developing applied skills in data analysis: selection of appropriate statistical techniques, using data analysis software, and interpretation of statistical results. Prerequisite: PSY 5311 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

PSY 5324. Biological Bases of Behavior.
This course provides an overview of the nervous system structure and function appropriate to the overall field of Psychology in order to foster an appreciation of the biological determinants of behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5326. Neuropsychological Assessment.
This course will introduce principles of neuropsychological assessment including assessment procedures, interpretation of results, neuropathology, and the range of neuropsychological functions to be assessed. This course will also cover the characteristics and administration of several neuropsychological assessment instruments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5334. Health Issues in Diverse Population.
This course examines the influence of socio-cultural beliefs and perceptions on health behaviors and the use of health services. The various ways in which race, ethnicity, gender and social class are related to the delivery of health care and opportunities to facilitate health care to the most vulnerable are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5335. Foundations of Health Psychology.
This course will utilize a biopsychosocial approach to understand the psychology of wellness and disease. Topics include stress, coping, pain, social support, and chronic illness. Special emphasis will focus on physiological responses, psychoneuroimmunology, and somatization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5342. Professional Ethics and Standards of Practice.
This course will focus on the study of APA ethical principles and standards of practice with emphasis on their applicability to research. Ethical decision-making and research, landmark studies, legal cases, and controversies in the field will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5343. Occupational Health.
This course focuses on promoting and maintaining the physical, mental, and social well-being of workers by promoting positive health behaviors, controlling risk factors, and facilitating the adaptation of work to people and people to their jobs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5345. Psychopharmacology.
This course explores: (1) the reasons that humans and animals consume mind altering substances called psychoactive drugs, (2) the neuronal, chemical, and hormonal mechanisms underlying drug action, and (3) the environmental factors that modulate the impact of psychoactive drugs on emotional, cognitive, perceptual and behavioral expression in humans and animals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5348. Health Psychology: Prevention and Intervention.
This course will focus on primary, secondary and tertiary prevention and intervention strategies to enhance health and wellness. Topics will include health-promoting behaviors, risky health behaviors, theories of health behavior change, the process of medical care, and treatment adherence. Special emphasis will be on planning, implementation, and assessment of interventions. Prerequisites: PSY 5335 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5352. Psychological Therapies.
This survey course on evidence-based psychological interventions focuses on the active mechanisms by which therapies work and their application to specific diagnostic categories and conditions. Interpersonal, behavioral, cognitive-behavioral, and dialectical behavior therapies will be highlighted along with newer empirically-based therapies such as Acceptance and Commitment Therapy and mindfulness approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5360G. Forensic Psychology.
Examination of the relationships between psychology and the Criminal Justice system. Emphasis is placed on how psychology variables influence how individuals carry out their duties within the system. Sample topics include: (a) psychology and jury decision-making, (b) accuracy/impact of eyewitnesses testimony, and (c) how characteristics of defendants influence juries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

PSY 5360H. Psychology of Women.
The course includes an in-depth examination of the development of women's roles and gender differences as well as a consideration of women's relationships, sexuality, employment, and diversity. Special topics such as women and violence will also be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

PSY 5360N. Advanced Statistical Methodology.
An overview of commonly used statistical methods in scientific research, with a core focus on generalized linear mixed models for individual studies and meta-analysis for study aggregation. Analyses will be implemented primarily in the R statistical programming environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 5360O. Applied Biostatistics in Health Research.
This course will examine methodological approaches and applied biostatistics in health research. Emphasis on non-parametric univariate and multivariate statistical tests. Prerequisite: PSY 5311 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 5360P. Psychology of Culture and Diversity.
This course provides a graduate level introduction to psychological theories and methods that examine the links between culture and human behavior, affect and cognitions. The course explores the relevance of these links to life development, mental health, social and gender identity, and sexuality. The student is expected to gain critical thinking skills in evaluating the validity of psychological knowledge within a cultural context. More importantly, the students are expected to gain an appreciation and understanding for cultural variation in human behavior across different cultures and an enhanced awareness and ability to work with a culturally diverse and multicultural population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 5362. Cognitive Neuroscience.
This course provides a comprehensive introduction to cognitive neuroscience: the study of the biological basis of cognitive processes such as perception, attention, memory, language, and decision-making. This is a seminar course that will cover theoretical constructs, methods, and current research findings in cognitive neuroscience. Prerequisite: PSY 3322 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5366. Individual Study.
Students design and execute original research or engage in extensive fieldwork in the field of psychology under the supervision of a faculty member. May be repeated once for credit. Prerequisite: PSY 5391 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PSY 5367. Research Seminar in Social Psychology.
The course provides an in-depth examination of selected topics in social psychology. The focus of student commitment and responsibility is learning about social psychology and actively producing psychological knowledge. The course covers the research process and concludes with each student developing a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5370. Learning, Cognition, and Motivation.
Basic problems in the acquisition of responses, treating with such constructs as reinforcement, extinction, retention, forgetting, problem solving, motivation, and punishment. Major theories are treated through attention to classical experiments, but greatest emphasis is given to contemporary research. See Educational Psychology 5370.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5373. Human Memory and Memory Disorders.
This course provides a comprehensive overview of topics in human memory including different types of memory and the brain structures involved. Special emphasis will be given to problems with memory including aging memory, amnesia, and Alzheimer's disease. This course will cover current theories of memory with discussions of cutting-edge research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5374. The Psychology of Language.
This course provides a grounding in the cognitive theories/models of the major areas of language research: acquisition, comprehension, and production. It also provides an overview of the cognitive processes involved in several specific topic areas in language, such as syntax, semantics, discourse, prosody, bilingualism, neuro-linguistics, sign language, and reading.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5381. Introduction to Psychophysiology.
This course will provide an overview of the principles, theory, and applications of using physiological measures to study mental processes. This course will illustrate how the use of psychophysiological measurements can enhance our understanding of brain/mind/behavior relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5391. Research Methods & Experimental Design.
Problems in psychology, emphasis on research procedures. A research project is required of each student. Restricted to M.A. students in Psychological Research.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5392. Program Evaluation.
Introduces the theory and techniques of program evaluation. Addresses all phases of program evaluations, including: conceptualization, planning, implementation, methodological and ethical issues, and analyzing and reporting results. Emphasis is placed on experimental and quasi-experimental methods commonly used in the evaluation of health programs. Prerequisite: PSY 5320 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5395. Practicum I.
Structured practical experience in health psychology at private or public setting. Supervision will be provided by a member of the graduate faculty and by a key individual at the site. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PSY 5396. Practicum II.
Structured practical experience in health psychology at private or public setting. Supervision will be provided both by a member of the graduate faculty and by a key individual at the site. Prerequisite: PSY 5395.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PSY 5398. Internship in Psychology.
Students engage in extensive field work in a professional setting related to psychology. Prerequisite: PSY 5311 and PSY 5321 and PSY 5391 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in PSY 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PSY 5399B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PSY 5599B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PSY 5999B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Minor in Psychology

The graduate minor in Psychology requires 12 semester credit hours.

Code	Title	Hours
Required Course		
PSY 5370	Learning, Cognition, and Motivation	3
Electives		
Choose 9 hours of advisor-approved psychology electives		9
Total Hours		12

Department of Sociology

Undergraduate Academic Center Room 449
Telephone: 512-245-2113 Fax: 512-245-8362
www.soci.txstate.edu (http://www.soci.txstate.edu)

The Department of Sociology at Texas State consists of a student-friendly faculty with wide-ranging specialties. Faculty research interests include gender and the workplace, health, aging, life course, dementia, sexuality, demography, community organization, deviance, criminology, social stratification and inequality, popular culture, social movements,

globalization, sustainability, and the environment. Although the department offers a large number of sub-fields for students to consider, increasingly the department is focusing upon graduate programs concentrating on Health, Dementia, and Aging, Sustainability and the Environment. The department offers valuable preparation in research skills including qualitative and quantitative research methods and statistical analysis. Faculty members have published numerous articles, book chapters, and books in their areas of interest. In addition, several faculty members have received national/international recognition from within academic circles and the popular press for their research.

The faculty takes pride in the teaching reputation of the department. In 1990 the department was awarded the American Sociological Association Distinguished Contributions to Teaching Award. In addition, many faculty members have won major teaching awards.

Mission Statement

Our mission is to provide an environment conducive to intellectual exchange characterized by innovative and outstanding:

- Teaching and curricula
- Service to students and community
- Scholarship and research
- Sociological practice with an emphasis on applications of statistics and methods
- Commitment to multiculturalism and diversity

Vision Statement

Our vision is to become a premier sociology department providing nationally and internationally recognized academic programs.

Background

An applicant who does not have undergraduate sociology courses in social theory, statistics, basic knowledge of statistical software, and social research must complete undergraduate leveling courses in each of these areas. Depending on the extent of undergraduate education in sociology or related fields, students may be permitted to take up to six hours of selected graduate courses before completing these undergraduate requirements.

Student Fitness and Performance

Program Standards

Students enrolled in all academic programs in the Department of Sociology must maintain high scholastic standards and develop a mastery of the knowledge and methods of the discipline. Students are expected to demonstrate emotional and mental fitness in their interactions with others, use skills and methods that are generally accepted by others in the profession, and conform to the American Sociological Association's Code of Ethics, the Texas State University Honor Code, and the Texas State University Code of Student Conduct. A student's acceptance in any program does not guarantee the student's fitness to remain in that program. The faculty is responsible for verifying that only those students who continue to meet program standards are allowed to continue in any program.

Evaluation of Student Fitness and Performance

Members of the faculty, using their professional judgments, evaluate student fitness and performance continuously. The criteria used by the faculty to make such judgments include instructors' observations of student performance in class or in activities related to courses, evaluations of student performance on theses and practica, site supervisors' evaluations of student performance in practica, and the codes of ethics noted above. Students who are not making satisfactory progress or who are not meeting program standards should consider withdrawing from the program.

In this context, the term "satisfactory progress" refers to an academic judgment made regarding the student's fitness and performance. It is a judgment that the student has failed to meet program standards rather than a judgment made on the basis of the student's violation of valid rules of conduct. Disciplinary matters are referred to Student Justice.

Student Review Process

If a faculty member believes that a student is not making satisfactory progress or meeting program standards, he or she should discuss the situation with the student. If the faculty member believes that the student's conduct cannot improve to acceptable standards, the faculty member should refer the student to the program standards committee. The program standards committee consists of three faculty members appointed by the department chair in consultation with the senior faculty.

The committee will notify the student of the reasons that he or she is not making satisfactory progress or meeting program standards and will give the student an opportunity to meet with the committee to respond and to present information and witnesses to the committee. The committee will also meet with the faculty member who referred the student to the committee. After considering the matter, and within ten working days of meeting with the student, the committee will report to the student and the chair. The committee will recommend that the student either be allowed to remain in the program or be removed from the program. The committee may make other recommendations, such as placing restrictions or conditions on the student's continuing in the program. Within ten working days of receiving the committee's recommendations, the student will notify the chair of the student's acceptance or rejection of the committee's recommendation.

Within ten working days of receiving the committee's recommendation, the chair will make a decision as to the student's continued presence in the program. Before making the decision, the chair will give the student an opportunity to meet with the chair and to offer information on the student's behalf. However, the chair need not meet with the student before making a decision if the chair has given the student a reasonable opportunity to meet, and the student has either failed or refused to meet. The chair will notify the student of the decision.

If the student is dissatisfied with the chair's decision, he or she may appeal to the dean of the College of Liberal Arts. However, in order for an appeal to be considered, the student must submit a written notice for an appeal to the chair and to the dean within ten working days of receiving the chair's decision. The dean will consider the matter based on information compiled by the chair and notify the student of his or her decision within ten working days of the dean's receipt of the appeal from the chair. The dean may meet with the student and give the student an opportunity to address the issues. The dean's decision is final.

Financial Assistance

The Department of Sociology provides financial aid to selected students by employing graduate students as instructional assistants and research assistants. The Graduate College can provide information about graduate scholarships.

Master of Arts (M.A.)

- Major in Sociology (p. 2202)
- Major in Sustainability Studies (Non-thesis Option) (p. 2207)
- Major in Sustainability Studies (Thesis Option) (p. 2213)

Master of Science (M.S.)

- Major in Applied Sociology (Non-thesis Option) (p. 2221)
- Major in Applied Sociology (Practicum Option) (p. 2225)
- Major in Dementia and Aging Studies (Dementia and Long-term Care Concentration) (p. 2230)
- Major in Dementia and Aging Studies (Practitioner Concentration) (p. 2238)
- Major in Dementia and Aging Studies (Research Concentration) (p. 2243)
- Major in Sustainability Studies (Non-thesis Option) (p. 2250)
- Major in Sustainability Studies (Thesis Option) (p. 2256)

Minor

- Sociology (p. 2263)

Master of Arts (M.A.) Major in Sociology

Major Program

The Master of Arts (M.A.) major in Sociology has three goals. The first goal is to prepare graduates for a career in one of a number of fields, including but not limited to corporate research, personnel work, administration, and data analysis. The second goal is to prepare graduates to teach in community colleges. The third goal is to provide a sound general background for those who anticipate further graduate training beyond the master's degree.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in sociological theory, statistics, SPSS, and social research
- GRE not required
- statement of purpose (two pages, double-spaced with the student's full name and contact information) that describes personal and career goals. Include academic interests and the relationship of this graduate degree to life/personal goals. Also, the statement should discuss the student's interest in this particular graduate program and the student's career goals after earning the degree. The Graduate Admissions Committee will evaluate the following:
  - Did the student demonstrate a familiarity with the field?
  - Did the student indicate his/her strengths (background, experience, training, and education)?
  - Did the student express why the program will hone his/her skills?
  - Did the student statement show excellence or promise in writing skills?
- three letters of recommendation from individuals knowledgeable about the student's academic ability and promise as a scholar

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Arts (M.A.) degree with a major in Sociology requires 37 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
SOCI 5110	Proseminar in Sociology	1
SOCI 5306	Sociological Theory Seminar	3
SOCI 5307	Advanced Statistics for the Social Sciences	3
SOCI 5308	Seminar in Quantitative Research Methods	3
SOCI 5309	Seminar in Qualitative Research Methods	3
Electives		
Choose 12 hours from the following:		12
SOCI 5316	Seminar in Deviation and Social Problems	
SOCI 5319	Seminar in Social Psychology	
SOCI 5320	Seminar in Demography	
SOCI 5322	Impact Analysis Research	
SOCI 5323	Grant Writing for the Social Sciences	
SOCI 5353	Seminar in the Community	
SOCI 5363	Seminar in Medical Sociology	
SOCI 5368	Seminar in Environmental Sociology	
SOCI 5370	Seminar in Multi-Cultural Relations	

SOCI 5371	Directed Study	
SOCI 5388F	Seminar in Poverty	
SOCI 5388G	Seminar in Food and Society	
Thesis		
SOCI 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
SOCI 5199B	Thesis	
SOCI 5299B	Thesis	
SOCI 5399B	Thesis	
SOCI 5599B	Thesis	
SOCI 5999B	Thesis	
Minor		
Choose a 6-hour advisor-approved minor		6
Total Hours		37

Comprehensive Examination Requirements

All students earning the M.A. major in Sociology must pass one or more comprehensive examinations, either written, oral, or both at the end of their course work. Students will defend the thesis and be knowledgeable about material from substantive courses as well as core courses. An appeals process is described in the sociology department's *Graduate Student Handbook*.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Sociology: SOCI

Courses Offered

Sociology (SOCI)

SOCI 5105. Practicum in Teaching Sociology.
An introduction to key concepts and practices in the teaching of college course in Sociology. Provides regular in-service training and planned periodic evaluations of instructional responsibilities. Required for first-year teaching and instructional assistants in the Sociology Department. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SOCI 5110. Proseminar in Sociology.
This course will orient new graduate students to the department and the profession. Topics include presentations at professional meetings, academic writing and publishing, and putting together curriculum vitae.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5198B. Applied Research Practicum II.
This course represents a student's continuing enrollment to complete the practicum project. The student continues to enroll in this course until the practicum project is approved by the practicum committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5300. Foundation Studies in Sociology.
This course provides prerequisite knowledge required for success in graduate-level coursework in Sociology. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SOCI 5306. Sociological Theory Seminar.
This graduate theory course examines the role of social theory in the historical and contemporary quest for knowledge and understanding of society. The first half of the course emphasizes the European Classics. The second half of the course is devoted to contemporary theory. Emphasis throughout will be on using theory to better understand current events and everyday life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5307. Advanced Statistics for the Social Sciences.
Application of advanced statistical theory and methods to the analysis of social data. Prerequisite: SOCI 3307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5308. Seminar in Quantitative Research Methods.
The application of research methods to social science with emphasis on direct, practical experience in research. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5309. Seminar in Qualitative Research Methods.
This course examines qualitative methods in Sociology. Topics include examples of classical and modern qualitative research, and issues related to qualitative research. Students critique qualitative studies and conduct and defend a qualitative project. Departmental approval needed for non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5316. Seminar in Deviation and Social Problems.
A systematic analysis of contemporary social problems and various types of social deviation. Emphasis is on the socialization process as it relates to social problems and human deviation. The sociological explanation of underlying factors will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5318. Seminar in Advanced Data Applications.
This course will cover the application of various statistical techniques, such as chi-square, correlation, and regression while introducing statistical analysis to students using software such as SPSS. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5319. Seminar in Social Psychology.
A critical appraisal of the major theories and theorists found in Social Psychology with emphasis on their application to contemporary social and psychological issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5320. Seminar in Demography.
A seminar in the study of population with emphasis on sources of demographic data, techniques of demographic analysis, and population composition and forecasts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5322. Impact Analysis Research.
This course is designed to introduce students to the assessment of organizational impact. It addresses both the historical development and social functions of evaluation, as well as practical application of assessment research. Emphasis will be on appropriate research design, implementing the design, and analysis of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5323. Grant Writing for the Social Sciences.
This course offers an applied approach to developing grant-writing skills for the social scientist. It will cover all aspects of proposal development including idea generation, funding source identification, project description, project plan, project management, evaluation methods, and budget preparation strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5350. Seminar on the Sociology of Gender.
This course is a graduate level seminar on the study of gender in sociology with a focus on issues of race, ethnicity, social class, and sexuality. We will examine the major contemporary scholarly debates about gender and explore how gender issues are embedded in different institutions and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5351. Introduction to Dementia Studies.
This course is an introduction to the social-scientific study of the causes and consequences of dementia, as well as to issues related to the care of persons with dementia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5352. Dementia and Caregiving.
This course for the Dementia and Aging Studies degree covers current research on policy and support for caregivers of persons with dementia, with an emphasis on the applied sociological focus of caregiver training and education. The course also addresses broader public sociology issues of caregiving and healthcare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5353. Seminar in the Community.
A study of contemporary urban society with emphasis on understanding the social structure as a prerequisite to planning and problem solving at the community level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5354. Theoretical Perspectives in Aging and Dementia.
This course discusses theories of aging from biological, psychological, and social science perspectives. The course also demonstrates how these theories can be applied to analyzing various aging issues, particularly the social care of persons with Alzheimer's disease and other dementias.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5355. The Social Psychology of Dementia.
This course analyzes the social construction of dementia and salient social psychological theories, concepts, and research in dementia studies. It investigates the social psychology of dementia in relation to mind, identity, stereotypes, prejudice, attributions, socialization, emotions, social interaction and the impact of institutions on the self.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5356. End of Life Care.
This course focuses on issues of dying and death. Topics covered include symptom management, palliative care, hospice, pain control, life-sustaining treatment and spiritual, legal and ethical issues related to dying and death. Also covered will be different religious views on euthanasia, dying, death, and funerals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5357. Gender and Aging in Society.
This course is a seminar on the study of gender and aging. This seminar will examine issues of aging identities, the aging body, sexuality, health and medicine, and caregiving among older adults. This course emphasizes the aging experience in our culture as a fundamentally gendered phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5359. Seminar in Drugs and Society.
A sociological examination of the use of legal and illegal drugs in society, with emphasis on topics such as the “war on drugs,” the pharmaceutical industry, and drugs as technologies of medicalization, as well as incentives to social change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5361. Aging and Dementia: Racial and Ethnic Minorities.
This course provides an analysis of how race and ethnicity affect aging and dementia, with particular emphasis on the United States. The course examines health and quality of life of racial and ethnic minorities in later life, social factors that influence these differences, and means of intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5362. Rural Aging and Dementia.
This graduate course examines aging and dementia issues in rural America. Demographic trends, cultural and economic changes, and intervention strategies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5363. Seminar in Medical Sociology.
A seminar on selected topics of human health and health care organizations. Topics to be stressed include: social causes and consequences of morbidity and mortality, professionalization and socialization of health care practitioners, organization of health institutions, and demographic changes in health problems and needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5365. Seminar in Political Sociology.
This course applies sociological theory and research to explore the exercise of power in its social context. Particular topics may include but are not limited to civil society, power outside of government, the relationship of the state to other social institutions, and the nature of elites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5367. Seminar in Sustainable Cities.
This course analyzes the complex relationship between urbanization and environmental change from a sociological perspective. Overarching themes include sustainabiilty and environmental justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5368. Seminar in Environmental Sociology.
This course situates societies within their ecological context and vice versa. Focusing upon social and environmental interactions, including the interactions of social organization, inequality, and policy, provides a comprehensive understanding of the physical and social milieu.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5370. Seminar in Multi-Cultural Relations.
Examines the dynamics of dominant subordinate social groups. Focuses on racial, ethnic, and class differences. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 5371. Directed Study.
Course of independent study open to individual students only at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5383. Seminar on Aging.
This course provides graduate students with an opportunity to examine national and global issues involved with the aging process and population aging from a social scientific and multicultural perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5388B. Social Inequality: Race, Class, and Gender in the United States.
This course will investigate the topic of social inequality. The intersections of class, race and gender as they produce inequality will be explored, along with theoretical perspectives and empirical evidence informing the study of social inequality.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388F. Seminar in Poverty.
This course is a graduate seminar on the sociological study of US poverty and social mobility. We will examine poverty measurement and trends, poverty-related social policies, theories for explaining poverty and mobility, and the intersection of poverty and social mobility with issues of gender, race, family structure, and place.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388G. Seminar in Food and Society.
This graduate course focuses on the sociological study of food. It examines the current food system and its interactions with macro-level social institutions, as well as individual identity and well-being.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388H. Advanced Statistical Analysis II.
The focus of this course is advanced data analysis. This course will cover topics such as regression, limited dependent variables analysis, and time series analysis. A secondary aim is to demonstrate data analyses using popular software packages. Prerequisite: SOCI 5307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388I. Clinical Sociology: Counseling the Elderly.
This course takes a clinical sociology perspective in studying the issues of the aged and persons with dementia. The approach is humanistic and multidisciplinary, seeking to improve the quality of older persons' lives by assessing situations and reducing problems using analysis and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388J. Applied Survey Research.
This course offers an applied approach to learning about survey methods. The course links research on survey construction and implementation to practical applications in which students solve problems associated with real-world survey instruments. Students will learn appropriate survey research terminology, as well as how to communicate in an effective and non-technical manner to others in need of survey assistance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5390. Seminar in Globalization and Development.
This seminar explores issues related to socioeconomic development and change, particularly in the "Global south." The course will focus on factors affecting development and underdevelopment around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5395. Global Insecurity.
This graduate seminar covers global, socially constructed risks perceived as threats to sustainable development. Topics include theories of globalization and insecurity; an assessment of threats to democracy and human rights, the environment, food security, public health and safety; as well as local, national and international responses to these threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5398A. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5398B. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SOCI 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Sustainability Studies (Non-thesis Option)

Major Program

The degree is specifically designed to prepare committed leaders to address emerging sustainability issues. Students completing the program will have the technical skills to formulate and solve problems at the appropriate scale, as well as the breadth of vision to recognize the interconnectedness and complexity of human-environment systems. Graduates will be prepared for admission into strong doctoral programs or professional schools, and important positions in the growing field of sustainability-related careers within local, state, or federal government, regulatory agencies, non-governmental organizations, consulting firms and within relevant industries. The program is available to graduate students seeking a more diversified program of study than is generally available for students specializing in a single discipline. The program is open to any qualified graduate student, and is particularly relevant for those wishing to improve their subject matter competence in more than one discipline. The M.A. major in Sustainability Studies is designed for students inclined toward the humanities, arts, communication, urban or regional planning, or related fields. The program is tailored to accommodate both full-time and part-time graduate students.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://

www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- current resume/CV
- statement of purpose (approximately two pages, double-spaced with full name and contact information) regarding the student's interest in pursuing the M.A. degree and describing personal and career goals. Include academic interests and the relationship of this graduate degree to life/personal goals. Also, the statement should discuss the student's interest in this particular graduate program and the student's career goals after earning the degree. The Graduate Admissions Committee will evaluate the following:
  - Did the student demonstrate a familiarity with the field?
  - Did the student indicate his/her strengths (background, experience, training, and education)?
  - Did the student express why the program will hone his/her skills?
  - Did the student statement show excellence or promise in writing skills?
- three letters of recommendation from professionals competent to assess the student's interest in pursuing a career in this field of study. Two of the three letters must be from someone who can assess academic accomplishments and/or potential in the program.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Arts (M.A.) degree with a major in Sustainability Studies requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
PHIL 5323	Environmental Ethics	3
SUST 5301	Seminar in Sustainability	3
SUST 5398	Professional Project	3
Choose 3 hours from the following:		3
ANTH 5361	Qualitative Methods	
ENG 5327	Research Methods in Rhetoric and Composition	
PA 5311	Introduction to Statistical Analysis	
PHIL 5340	Philosophical Logic	
Electives: Policy, Law, Leadership, and Society		
Choose 3 hours from the following:		3
BIO 5350M	Wildlife Policy and Law in North America	
BIO 5362	Environmental Impact Analysis	
BIO 7360U	Sustainability in a Changing World	
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368E	Environmental Law and Policy	
ENG 5353	Studies in Medieval Literature	
FCS 5305	Sustainable Housing	
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	
GEO 5314	Geographic Elements of Environmental Law	
GEO 5329	Historical Geography of the Environment	
GEO 5330	Geography of Hazards	
GEO 5393D	Water Resource Planning	
MCS 5342	Sustainable Consumer Economy	
PA 5351	Urban Transportation Policy	
PA 5353	Ecology and the Politics of Sustainability	
PA 5355	Environmental Policy	
PA 5380A	Texas Water Law and Policy	
PHIL 5329	Food Ethics	
PHIL 5360C	Philosophy, Nonviolence, Sustainability, and Social Change	
SOCI 5353	Seminar in the Community	
SOCI 5367	Seminar in Sustainable Cities	
SOCI 5368	Seminar in Environmental Sociology	
SOCI 5388G	Seminar in Food and Society	
SOCI 5390	Seminar in Globalization and Development	
SOCI 5395	Global Insecurity	
Electives: Science and the Environment		
Choose 3-4 hours from the following:		3-4
AG 5370	Special Problems in Technical Agriculture	
BIO 5415	Ichthyology	
BIO 5470	Limnology	
FCS 5307	Sustainable Lighting	
MCS 5303	Sustainable Textiles	
GEO 5334	Applied Water Resources	
TECH 5382	Sustainability in Industrial Management	
Electives		
Choose 18 hours from the following:		18
AG 5370	Special Problems in Technical Agriculture	

BIO 5350M	Wildlife Policy and Law in North America
BIO 5362	Environmental Impact Analysis
BIO 5415	Ichthyology
BIO 5470	Limnology
BIO 7360U	Sustainability in a Changing World
BLAW 5333	Legal Issues of Sustainability and Responsibility
BLAW 5368E	Environmental Law and Policy
ENG 5353	Studies in Medieval Literature
FCS 5305	Sustainable Housing
FCS 5307	Sustainable Lighting
GEO 5312	Managing Urbanization
GEO 5313	Environmental Management
GEO 5314	Geographic Elements of Environmental Law
GEO 5329	Historical Geography of the Environment
GEO 5330	Geography of Hazards
GEO 5334	Applied Water Resources
GEO 5393D	Water Resource Planning
MCS 5303	Sustainable Textiles
MCS 5342	Sustainable Consumer Economy
PA 5351	Urban Transportation Policy
PA 5353	Ecology and the Politics of Sustainability
PA 5355	Environmental Policy
PA 5380A	Texas Water Law and Policy
PHIL 5329	Food Ethics
PHIL 5360C	Philosophy, Nonviolence, Sustainability, and Social Change
SOCI 5353	Seminar in the Community
SOCI 5367	Seminar in Sustainable Cities
SOCI 5368	Seminar in Environmental Sociology
SOCI 5388G	Seminar in Food and Society
SOCI 5390	Seminar in Globalization and Development
SOCI 5395	Global Insecurity
TECH 5382	Sustainability in Industrial Management
Total Hours	36-37

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Sustainability Studies: SUST (p. 2209), SOCI (p. 2210)

Courses Offered

Sustainability Studies (SUST)

SUST 5105. Practicum in Teaching.
This course is an introduction to key concepts and practices in the teaching of college courses. It provides regular in-service training and planned periodic evaluations of instructional responsibilities. It is required for first-year teaching and instructional assistants in the MA and MS in Sustainability programs. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SUST 5197. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5198B. Professional Project II.
This course represents a student's continuing enrollment to complete the professional project. The student continues to enroll in this course until the project is completed and approved by the committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SUST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5297. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5301. Seminar in Sustainability.
The seminar in sustainability is an opportunity for students to learn about issues from a wide-ranging set of perspectives. The seminar is, by design, interdisciplinary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5397. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5398. Professional Project.
This course involves individual work related to a professional topic or project with specific guidance from graduate faculty. The project requires the completion of a rigorous paper that is the culmination of the final paper/project for the non-thesis degree in Sustainability Studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SUST 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Sociology (SOCI)

SOCI 5105. Practicum in Teaching Sociology.
An introduction to key concepts and practices in the teaching of college course in Sociology. Provides regular in-service training and planned periodic evaluations of instructional responsibilities. Required for first-year teaching and instructional assistants in the Sociology Department. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SOCI 5110. Proseminar in Sociology.
This course will orient new graduate students to the department and the profession. Topics include presentations at professional meetings, academic writing and publishing, and putting together curriculum vitae.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5198B. Applied Research Practicum II.
This course represents a student's continuing enrollment to complete the practicum project. The student continues to enroll in this course until the practicum project is approved by the practicum committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5300. Foundation Studies in Sociology.
This course provides prerequisite knowledge required for success in graduate-level coursework in Sociology. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SOCI 5306. Sociological Theory Seminar.
This graduate theory course examines the role of social theory in the historical and contemporary quest for knowledge and understanding of society. The first half of the course emphasizes the European Classics. The second half of the course is devoted to contemporary theory. Emphasis throughout will be on using theory to better understand current events and everyday life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5307. Advanced Statistics for the Social Sciences.
Application of advanced statistical theory and methods to the analysis of social data. Prerequisite: SOCI 3307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5308. Seminar in Quantitative Research Methods.
The application of research methods to social science with emphasis on direct, practical experience in research. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5309. Seminar in Qualitative Research Methods.
This course examines qualitative methods in Sociology. Topics include examples of classical and modern qualitative research, and issues related to qualitative research. Students critique qualitative studies and conduct and defend a qualitative project. Departmental approval needed for non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5316. Seminar in Deviation and Social Problems.
A systematic analysis of contemporary social problems and various types of social deviation. Emphasis is on the socialization process as it relates to social problems and human deviation. The sociological explanation of underlying factors will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5318. Seminar in Advanced Data Applications.
This course will cover the application of various statistical techniques, such as chi-square, correlation, and regression while introducing statistical analysis to students using software such as SPSS. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5319. Seminar in Social Psychology.
A critical appraisal of the major theories and theorists found in Social Psychology with emphasis on their application to contemporary social and psychological issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5320. Seminar in Demography.
A seminar in the study of population with emphasis on sources of demographic data, techniques of demographic analysis, and population composition and forecasts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5322. Impact Analysis Research.
This course is designed to introduce students to the assessment of organizational impact. It addresses both the historical development and social functions of evaluation, as well as practical application of assessment research. Emphasis will be on appropriate research design, implementing the design, and analysis of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5323. Grant Writing for the Social Sciences.
This course offers an applied approach to developing grant-writing skills for the social scientist. It will cover all aspects of proposal development including idea generation, funding source identification, project description, project plan, project management, evaluation methods, and budget preparation strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5350. Seminar on the Sociology of Gender.
This course is a graduate level seminar on the study of gender in sociology with a focus on issues of race, ethnicity, social class, and sexuality. We will examine the major contemporary scholarly debates about gender and explore how gender issues are embedded in different institutions and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5351. Introduction to Dementia Studies.
This course is an introduction to the social-scientific study of the causes and consequences of dementia, as well as to issues related to the care of persons with dementia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5352. Dementia and Caregiving.
This course for the Dementia and Aging Studies degree covers current research on policy and support for caregivers of persons with dementia, with an emphasis on the applied sociological focus of caregiver training and education. The course also addresses broader public sociology issues of caregiving and healthcare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5353. Seminar in the Community.
A study of contemporary urban society with emphasis on understanding the social structure as a prerequisite to planning and problem solving at the community level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5354. Theoretical Perspectives in Aging and Dementia.
This course discusses theories of aging from biological, psychological, and social science perspectives. The course also demonstrates how these theories can be applied to analyzing various aging issues, particularly the social care of persons with Alzheimer's disease and other dementias.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5355. The Social Psychology of Dementia.
This course analyzes the social construction of dementia and salient social psychological theories, concepts, and research in dementia studies. It investigates the social psychology of dementia in relation to mind, identity, stereotypes, prejudice, attributions, socialization, emotions, social interaction and the impact of institutions on the self.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5356. End of Life Care.
This course focuses on issues of dying and death. Topics covered include symptom management, palliative care, hospice, pain control, life-sustaining treatment and spiritual, legal and ethical issues related to dying and death. Also covered will be different religious views on euthanasia, dying, death, and funerals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5357. Gender and Aging in Society.
This course is a seminar on the study of gender and aging. This seminar will examine issues of aging identities, the aging body, sexuality, health and medicine, and caregiving among older adults. This course emphasizes the aging experience in our culture as a fundamentally gendered phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5359. Seminar in Drugs and Society.
A sociological examination of the use of legal and illegal drugs in society, with emphasis on topics such as the "war on drugs," the pharmaceutical industry, and drugs as technologies of medicalization, as well as incentives to social change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5361. Aging and Dementia: Racial and Ethnic Minorities.
This course provides an analysis of how race and ethnicity affect aging and dementia, with particular emphasis on the United States. The course examines health and quality of life of racial and ethnic minorities in later life, social factors that influence these differences, and means of intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5362. Rural Aging and Dementia.
This graduate course examines aging and dementia issues in rural America. Demographic trends, cultural and economic changes, and intervention strategies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5363. Seminar in Medical Sociology.
A seminar on selected topics of human health and health care organizations. Topics to be stressed include: social causes and consequences of morbidity and mortality, professionalization and socialization of health care practitioners, organization of health institutions, and demographic changes in health problems and needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5365. Seminar in Political Sociology.
This course applies sociological theory and research to explore the exercise of power in its social context. Particular topics may include but are not limited to civil society, power outside of government, the relationship of the state to other social institutions, and the nature of elites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5367. Seminar in Sustainable Cities.
This course analyzes the complex relationship between urbanization and environmental change from a sociological perspective. Overarching themes include sustainabiilty and environmental justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5368. Seminar in Environmental Sociology.
This course situates societies within their ecological context and vice versa. Focusing upon social and environmental interactions, including the interactions of social organization, inequality, and policy, provides a comprehensive understanding of the physical and social milieu.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5370. Seminar in Multi-Cultural Relations.
Examines the dynamics of dominant subordinate social groups. Focuses on racial, ethnic, and class differences. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 5371. Directed Study.
Course of independent study open to individual students only at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5383. Seminar on Aging.
This course provides graduate students with an opportunity to examine national and global issues involved with the aging process and population aging from a social scientific and multicultural perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5388B. Social Inequality: Race, Class, and Gender in the United States.
This course will investigate the topic of social inequality. The intersections of class, race and gender as they produce inequality will be explored, along with theoretical perspectives and empirical evidence informing the study of social inequality.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388F. Seminar in Poverty.
This course is a graduate seminar on the sociological study of US poverty and social mobility. We will examine poverty measurement and trends, poverty-related social policies, theories for explaining poverty and mobility, and the intersection of poverty and social mobility with issues of gender, race, family structure, and place.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388G. Seminar in Food and Society.
This graduate course focuses on the sociological study of food. It examines the current food system and its interactions with macro-level social institutions, as well as individual identity and well-being.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388H. Advanced Statistical Analysis II.
The focus of this course is advanced data analysis. This course will cover topics such as regression, limited dependent variables analysis, and time series analysis. A secondary aim is to demonstrate data analyses using popular software packages. Prerequisite: SOCI 5307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388I. Clinical Sociology: Counseling the Elderly.
This course takes a clinical sociology perspective in studying the issues of the aged and persons with dementia. The approach is humanistic and multidisciplinary, seeking to improve the quality of older persons' lives by assessing situations and reducing problems using analysis and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388J. Applied Survey Research.
This course offers an applied approach to learning about survey methods. The course links research on survey construction and implementation to practical applications in which students solve problems associated with real-world survey instruments. Students will learn appropriate survey research terminology, as well as how to communicate in an effective and non-technical manner to others in need of survey assistance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5390. Seminar in Globalization and Development.
This seminar explores issues related to socioeconomic development and change, particularly in the “Global south.” The course will focus on factors affecting development and underdevelopment around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5395. Global Insecurity.
This graduate seminar covers global, socially constructed risks perceived as threats to sustainable development. Topics include theories of globalization and insecurity; an assessment of threats to democracy and human rights, the environment, food security, public health and safety; as well as local, national and international responses to these threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5398A. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5398B. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5399A. Thesis.
This course represents a student’s initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SOCI 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5399B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5599B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5999B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Sustainability Studies (Thesis Option)

Major Program

The degree is specifically designed to prepare committed leaders to address emerging sustainability issues. Students completing the program will have the technical skills to formulate and solve problems at the appropriate scale, as well as the breadth of vision to recognize the interconnectedness and complexity of human-environment systems. Graduates will be prepared for admission into strong doctoral programs

or professional schools, and important positions in the growing field of sustainability-related careers within local, state, or federal government, regulatory agencies, non-governmental organizations, consulting firms and within relevant industries. The program is available to graduate students seeking a more diversified program of study than is generally available for students specializing in a single discipline. The program is open to any qualified graduate student, and is particularly relevant for those wishing to improve their subject matter competence in more than one discipline. The M.A. in Sustainability Studies is designed for students inclined toward the humanities, arts, communication, urban or regional planning, or related fields. The program is tailored to accommodate both full-time and part-time graduate students.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- current resume/CV
- statement of purpose (approximately two pages, double-spaced with full name and contact information) regarding the student's interest in pursuing the M.A. degree and describing personal and career goals. Include academic interests and the relationship of this graduate degree to life/personal goals. Also, the statement should discuss the student's interest in this particular graduate program and the student's career goals after earning the degree. The Graduate Admissions Committee will evaluate the following:
  - Did the student demonstrate a familiarity with the field?
  - Did the student indicate his/her strengths (background, experience, training, and education)?
  - Did the student express why the program will hone his/her skills?
  - Did the student statement show excellence or promise in writing skills?
- three letters of recommendation from professionals competent to assess the student's interest in pursuing a career in this field of study. Two of the three letters must be from someone who can assess academic accomplishments and/or potential in the program.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Arts (M.A.) degree with a major in Sustainability Studies requires 36 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
PHIL 5323	Environmental Ethics	3
SUST 5301	Seminar in Sustainability	3
Choose 3 hours from the following:		3
ANTH 5361	Qualitative Methods	
ENG 5327	Research Methods in Rhetoric and Composition	
PA 5311	Introduction to Statistical Analysis	
PHIL 5340	Philosophical Logic	
Electives: Policy, Law, Leadership, and Society		
Choose 3 hours from the following:		3
BIO 5350M	Wildlife Policy and Law in North America	
BIO 5362	Environmental Impact Analysis	
BIO 7360U	Sustainability in a Changing World	
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368E	Environmental Law and Policy	
ENG 5353	Studies in Medieval Literature	
FCS 5305	Sustainable Housing	
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	
GEO 5314	Geographic Elements of Environmental Law	
GEO 5329	Historical Geography of the Environment	
GEO 5330	Geography of Hazards	
GEO 5393D	Water Resource Planning	
MCS 5342	Sustainable Consumer Economy	
PA 5351	Urban Transportation Policy	
PA 5353	Ecology and the Politics of Sustainability	
PA 5355	Environmental Policy	
PA 5380A	Texas Water Law and Policy	
PHIL 5329	Food Ethics	
PHIL 5360C	Philosophy, Nonviolence, Sustainability, and Social Change	
SOCI 5353	Seminar in the Community	
SOCI 5367	Seminar in Sustainable Cities	
SOCI 5368	Seminar in Environmental Sociology	
SOCI 5388G	Seminar in Food and Society	
SOCI 5390	Seminar in Globalization and Development	
SOCI 5395	Global Insecurity	

Electives: Science and the Environment		
Choose 3 hours from the following:		3-4
AG 5370	Special Problems in Technical Agriculture	
BIO 5415	Ichthyology	
BIO 5470	Limnology	
FCS 5307	Sustainable Lighting	
MCS 5303	Sustainable Textiles	
GEO 5334	Applied Water Resources	
TECH 5382	Sustainability in Industrial Management	
Electives		
Choose 15 hours from the following:		15
AG 5370	Special Problems in Technical Agriculture	
BIO 5350M	Wildlife Policy and Law in North America	
BIO 5362	Environmental Impact Analysis	
BIO 5415	Ichthyology	
BIO 5470	Limnology	
BIO 7360U	Sustainability in a Changing World	
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368E	Environmental Law and Policy	
ENG 5353	Studies in Medieval Literature	
FCS 5305	Sustainable Housing	
FCS 5307	Sustainable Lighting	
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	
GEO 5314	Geographic Elements of Environmental Law	
GEO 5329	Historical Geography of the Environment	
GEO 5334	Applied Water Resources	
GEO 5330	Geography of Hazards	
GEO 5393D	Water Resource Planning	
MCS 5303	Sustainable Textiles	
MCS 5342	Sustainable Consumer Economy	
PA 5351	Urban Transportation Policy	
PA 5353	Ecology and the Politics of Sustainability	
PA 5355	Environmental Policy	
PA 5380A	Texas Water Law and Policy	
PHIL 5329	Food Ethics	
PHIL 5361	Topics in Philosophy of Science and Technology	
PHIL 5360C	Philosophy, Nonviolence, Sustainability, and Social Change	
SOCI 5353	Seminar in the Community	
SOCI 5367	Seminar in Sustainable Cities	
SOCI 5368	Seminar in Environmental Sociology	
SOCI 5388G	Seminar in Food and Society	
SOCI 5390	Seminar in Globalization and Development	
SOCI 5395	Global Insecurity	
TECH 5382	Sustainability in Industrial Management	
Thesis		
SUST 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
SUST 5199B	Thesis	
SUST 5299B	Thesis	
SUST 5399B	Thesis	
SUST 5599B	Thesis	
SUST 5999B	Thesis	
Total Hours		36-37

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process.

Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Sustainability Studies: SUST (p. 2217), SOCI (p.)

Courses Offered

Sustainability Studies (SUST)

SUST 5105. Practicum in Teaching.
This course is an introduction to key concepts and practices in the teaching of college courses. It provides regular in-service training and planned periodic evaluations of instructional responsibilities. It is required for first-year teaching and instructional assistants in the MA and MS in Sustainability programs. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SUST 5197. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5198B. Professional Project II.
This course represents a student's continuing enrollment to complete the professional project. The student continues to enroll in this course until the project is completed and approved by the committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SUST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5297. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5301. Seminar in Sustainability.
The seminar in sustainability is an opportunity for students to learn about issues from a wide-ranging set of perspectives. The seminar is, by design, interdisciplinary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5397. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5398. Professional Project.
This course involves individual work related to a professional topic or project with specific guidance from graduate faculty. The project requires the completion of a rigorous paper that is the culmination of the final paper/project for the non-thesis degree in Sustainability Studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SUST 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Sociology (SOCI)

SOCI 5105. Practicum in Teaching Sociology.
An introduction to key concepts and practices in the teaching of college course in Sociology. Provides regular in-service training and planned periodic evaluations of instructional responsibilities. Required for first-year teaching and instructional assistants in the Sociology Department. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SOCI 5110. Proseminar in Sociology.
This course will orient new graduate students to the department and the profession. Topics include presentations at professional meetings, academic writing and publishing, and putting together curriculum vitae.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5198B. Applied Research Practicum II.
This course represents a student's continuing enrollment to complete the practicum project. The student continues to enroll in this course until the practicum project is approved by the practicum committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5300. Foundation Studies in Sociology.
This course provides prerequisite knowledge required for success in graduate-level coursework in Sociology. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SOCI 5306. Sociological Theory Seminar.
This graduate theory course examines the role of social theory in the historical and contemporary quest for knowledge and understanding of society. The first half of the course emphasizes the European Classics. The second half of the course is devoted to contemporary theory. Emphasis throughout will be on using theory to better understand current events and everyday life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5307. Advanced Statistics for the Social Sciences.
Application of advanced statistical theory and methods to the analysis of social data. Prerequisite: SOCI 3307 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5308. Seminar in Quantitative Research Methods.
The application of research methods to social science with emphasis on direct, practical experience in research. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5309. Seminar in Qualitative Research Methods.
This course examines qualitative methods in Sociology. Topics include examples of classical and modern qualitative research, and issues related to qualitative research. Students critique qualitative studies and conduct and defend a qualitative project. Departmental approval needed for non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5316. Seminar in Deviation and Social Problems.
A systematic analysis of contemporary social problems and various types of social deviation. Emphasis is on the socialization process as it relates to social problems and human deviation. The sociological explanation of underlying factors will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5318. Seminar in Advanced Data Applications.
This course will cover the application of various statistical techniques, such as chi-square, correlation, and regression while introducing statistical analysis to students using software such as SPSS. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5319. Seminar in Social Psychology.
A critical appraisal of the major theories and theorists found in Social Psychology with emphasis on their application to contemporary social and psychological issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5320. Seminar in Demography.
A seminar in the study of population with emphasis on sources of demographic data, techniques of demographic analysis, and population composition and forecasts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5322. Impact Analysis Research.
This course is designed to introduce students to the assessment of organizational impact. It addresses both the historical development and social functions of evaluation, as well as practical application of assessment research. Emphasis will be on appropriate research design, implementing the design, and analysis of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5323. Grant Writing for the Social Sciences.
This course offers an applied approach to developing grant-writing skills for the social scientist. It will cover all aspects of proposal development including idea generation, funding source identification, project description, project plan, project management, evaluation methods, and budget preparation strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5350. Seminar on the Sociology of Gender.
This course is a graduate level seminar on the study of gender in sociology with a focus on issues of race, ethnicity, social class, and sexuality. We will examine the major contemporary scholarly debates about gender and explore how gender issues are embedded in different institutions and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5351. Introduction to Dementia Studies.
This course is an introduction to the social-scientific study of the causes and consequences of dementia, as well as to issues related to the care of persons with dementia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5352. Dementia and Caregiving.
This course for the Dementia and Aging Studies degree covers current research on policy and support for caregivers of persons with dementia, with an emphasis on the applied sociological focus of caregiver training and education. The course also addresses broader public sociology issues of caregiving and healthcare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5353. Seminar in the Community.
A study of contemporary urban society with emphasis on understanding the social structure as a prerequisite to planning and problem solving at the community level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5354. Theoretical Perspectives in Aging and Dementia.
This course discusses theories of aging from biological, psychological, and social science perspectives. The course also demonstrates how these theories can be applied to analyzing various aging issues, particularly the social care of persons with Alzheimer's disease and other dementias.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5355. The Social Psychology of Dementia.
This course analyzes the social construction of dementia and salient social psychological theories, concepts, and research in dementia studies. It investigates the social psychology of dementia in relation to mind, identity, stereotypes, prejudice, attributions, socialization, emotions, social interaction and the impact of institutions on the self.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5356. End of Life Care.
This course focuses on issues of dying and death. Topics covered include symptom management, palliative care, hospice, pain control, life-sustaining treatment and spiritual, legal and ethical issues related to dying and death. Also covered will be different religious views on euthanasia, dying, death, and funerals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5357. Gender and Aging in Society.
This course is a seminar on the study of gender and aging. This seminar will examine issues of aging identities, the aging body, sexuality, health and medicine, and caregiving among older adults. This course emphasizes the aging experience in our culture as a fundamentally gendered phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5359. Seminar in Drugs and Society.
A sociological examination of the use of legal and illegal drugs in society, with emphasis on topics such as the "war on drugs," the pharmaceutical industry, and drugs as technologies of medicalization, as well as incentives to social change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5361. Aging and Dementia: Racial and Ethnic Minorities.
This course provides an analysis of how race and ethnicity affect aging and dementia, with particular emphasis on the United States. The course examines health and quality of life of racial and ethnic minorities in later life, social factors that influence these differences, and means of intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5362. Rural Aging and Dementia.
This graduate course examines aging and dementia issues in rural America. Demographic trends, cultural and economic changes, and intervention strategies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5363. Seminar in Medical Sociology.
A seminar on selected topics of human health and health care organizations. Topics to be stressed include: social causes and consequences of morbidity and mortality, professionalization and socialization of health care practitioners, organization of health institutions, and demographic changes in health problems and needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5365. Seminar in Political Sociology.
This course applies sociological theory and research to explore the exercise of power in its social context. Particular topics may include but are not limited to civil society, power outside of government, the relationship of the state to other social institutions, and the nature of elites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5367. Seminar in Sustainable Cities.
This course analyzes the complex relationship between urbanization and environmental change from a sociological perspective. Overarching themes include sustainabiilty and environmental justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5368. Seminar in Environmental Sociology.
This course situates societies within their ecological context and vice versa. Focusing upon social and environmental interactions, including the interactions of social organization, inequality, and policy, provides a comprehensive understanding of the physical and social milieu.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5370. Seminar in Multi-Cultural Relations.
Examines the dynamics of dominant subordinate social groups. Focuses on racial, ethnic, and class differences. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 5371. Directed Study.
Course of independent study open to individual students only at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5383. Seminar on Aging.
This course provides graduate students with an opportunity to examine national and global issues involved with the aging process and population aging from a social scientific and multicultural perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5388B. Social Inequality: Race, Class, and Gender in the United States.
This course will investigate the topic of social inequality. The intersections of class, race and gender as they produce inequality will be explored, along with theoretical perspectives and empirical evidence informing the study of social inequality.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388F. Seminar in Poverty.
This course is a graduate seminar on the sociological study of US poverty and social mobility. We will examine poverty measurement and trends, poverty-related social policies, theories for explaining poverty and mobility, and the intersection of poverty and social mobility with issues of gender, race, family structure, and place.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388G. Seminar in Food and Society.
This graduate course focuses on the sociological study of food. It examines the current food system and its interactions with macro-level social institutions, as well as individual identity and well-being.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388H. Advanced Statistical Analysis II.
The focus of this course is advanced data analysis. This course will cover topics such as regression, limited dependent variables analysis, and time series analysis. A secondary aim is to demonstrate data analyses using popular software packages. Prerequisite: SOCI 5307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388I. Clinical Sociology: Counseling the Elderly.
This course takes a clinical sociology perspective in studying the issues of the aged and persons with dementia. The approach is humanistic and multidisciplinary, seeking to improve the quality of older persons' lives by assessing situations and reducing problems using analysis and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388J. Applied Survey Research.
This course offers an applied approach to learning about survey methods. The course links research on survey construction and implementation to practical applications in which students solve problems associated with real-world survey instruments. Students will learn appropriate survey research terminology, as well as how to communicate in an effective and non-technical manner to others in need of survey assistance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5390. Seminar in Globalization and Development.
This seminar explores issues related to socioeconomic development and change, particularly in the "Global south." The course will focus on factors affecting development and underdevelopment around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5395. Global Insecurity.
This graduate seminar covers global, socially constructed risks perceived as threats to sustainable development. Topics include theories of globalization and insecurity; an assessment of threats to democracy and human rights, the environment, food security, public health and safety; as well as local, national and international responses to these threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5398A. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5398B. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SOCI 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Applied Sociology

Major Program

The Master of Science (M.S.) degree with a Major in Applied Sociology is designed to prepare students for careers in state and federal government agencies, large and small businesses and non-profit organizations. Graduates of this program will have the skills and knowledge necessary to compete in a rapidly changing job market, having mastered the techniques of both qualitative and quantitative research, general statistical analysis, and impact analysis.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in sociological theory, statistics, SPSS, and social research
- GRE not required
- statement of purpose (two pages, double-spaced with the student's full name and contact information) that describes personal and career goals. Include academic interests and the relationship of this graduate degree to life/personal goals. Also, the statement should discuss the student's interest in this particular graduate program and the student's career goals after earning the degree. The Graduate Admissions Committee will evaluate the following:
  - Did the student demonstrate a familiarity with the field?
  - Did the student indicate his/her strengths (background, experience, training, and education)?
  - Did the student express why the program will hone his/her skills?
  - Did the student statement show excellence or promise in writing skills?
- three letters of recommendation from individuals knowledgeable about the student's academic ability and promise as a scholar

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Science (M.S.) degree with a major in Applied Sociology requires 37 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses. Students must pass one or more comprehensive examinations, either written, oral, or both at the end of their course work. Defense of the professional research paper, as well as knowledge of course work, will be the foci of this comprehensive examination.

Course Requirements

Code	Title	Hours
Required Courses		
SOCI 5110	Proseminar in Sociology	1
SOCI 5306	Sociological Theory Seminar	3
SOCI 5307	Advanced Statistics for the Social Sciences	3
SOCI 5308	Seminar in Quantitative Research Methods	3
SOCI 5309	Seminar in Qualitative Research Methods	3
SOCI 5320	Seminar in Demography	3
or SOCI 5388H	Advanced Statistical Analysis II	
SOCI 5322	Impact Analysis Research	3
SOCI 5323	Grant Writing for the Social Sciences	3
Electives		
Choose 15 hours from the following:		15
SOCI 5316	Seminar in Deviation and Social Problems	
SOCI 5318	Seminar in Advanced Data Applications	
SOCI 5319	Seminar in Social Psychology	
SOCI 5350	Seminar on the Sociology of Gender	
SOCI 5353	Seminar in the Community	
SOCI 5359	Seminar in Drugs and Society	
SOCI 5363	Seminar in Medical Sociology	
SOCI 5365	Seminar in Political Sociology	
SOCI 5367	Seminar in Sustainable Cities	
SOCI 5368	Seminar in Environmental Sociology	
SOCI 5370	Seminar in Multi-Cultural Relations	
SOCI 5383	Seminar on Aging	
SOCI 5388B	Social Inequality: Race, Class, and Gender in the United States	
SOCI 5388F	Seminar in Poverty	

SOCI 5388G	Seminar in Food and Society
SOCI 5390	Seminar in Globalization and Development
SOCI 5395	Global Insecurity
May choose 6 hours of advisor-approved electives outside the department	
Total Hours	37

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Sociology: SOCI

Courses Offered

Sociology (SOCI)

SOCI 5105. Practicum in Teaching Sociology.
An introduction to key concepts and practices in the teaching of college course in Sociology. Provides regular in-service training and planned periodic evaluations of instructional responsibilities. Required for first-year teaching and instructional assistants in the Sociology Department. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SOCI 5110. Proseminar in Sociology.
This course will orient new graduate students to the department and the profession. Topics include presentations at professional meetings, academic writing and publishing, and putting together curriculum vitae.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5198B. Applied Research Practicum II.
This course represents a student's continuing enrollment to complete the practicum project. The student continues to enroll in this course until the practicum project is approved by the practicum committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5300. Foundation Studies in Sociology.
This course provides prerequisite knowledge required for success in graduate-level coursework in Sociology. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SOCI 5306. Sociological Theory Seminar.
This graduate theory course examines the role of social theory in the historical and contemporary quest for knowledge and understanding of society. The first half of the course emphasizes the European Classics. The second half of the course is devoted to contemporary theory. Emphasis throughout will be on using theory to better understand current events and everyday life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5307. Advanced Statistics for the Social Sciences.
Application of advanced statistical theory and methods to the analysis of social data. Prerequisite: SOCI 3307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5308. Seminar in Quantitative Research Methods.
The application of research methods to social science with emphasis on direct, practical experience in research. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5309. Seminar in Qualitative Research Methods.
This course examines qualitative methods in Sociology. Topics include examples of classical and modern qualitative research, and issues related to qualitative research. Students critique qualitative studies and conduct and defend a qualitative project. Departmental approval needed for non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5316. Seminar in Deviation and Social Problems.
A systematic analysis of contemporary social problems and various types of social deviation. Emphasis is on the socialization process as it relates to social problems and human deviation. The sociological explanation of underlying factors will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5318. Seminar in Advanced Data Applications.
This course will cover the application of various statistical techniques, such as chi-square, correlation, and regression while introducing statistical analysis to students using software such as SPSS. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5319. Seminar in Social Psychology.
A critical appraisal of the major theories and theorists found in Social Psychology with emphasis on their application to contemporary social and psychological issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5320. Seminar in Demography.
A seminar in the study of population with emphasis on sources of demographic data, techniques of demographic analysis, and population composition and forecasts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5322. Impact Analysis Research.
This course is designed to introduce students to the assessment of organizational impact. It addresses both the historical development and social functions of evaluation, as well as practical application of assessment research. Emphasis will be on appropriate research design, implementing the design, and analysis of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5323. Grant Writing for the Social Sciences.
This course offers an applied approach to developing grant-writing skills for the social scientist. It will cover all aspects of proposal development including idea generation, funding source identification, project description, project plan, project management, evaluation methods, and budget preparation strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5350. Seminar on the Sociology of Gender.
This course is a graduate level seminar on the study of gender in sociology with a focus on issues of race, ethnicity, social class, and sexuality. We will examine the major contemporary scholarly debates about gender and explore how gender issues are embedded in different institutions and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5351. Introduction to Dementia Studies.
This course is an introduction to the social-scientific study of the causes and consequences of dementia, as well as to issues related to the care of persons with dementia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5352. Dementia and Caregiving.
This course for the Dementia and Aging Studies degree covers current research on policy and support for caregivers of persons with dementia, with an emphasis on the applied sociological focus of caregiver training and education. The course also addresses broader public sociology issues of caregiving and healthcare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5353. Seminar in the Community.
A study of contemporary urban society with emphasis on understanding the social structure as a prerequisite to planning and problem solving at the community level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5354. Theoretical Perspectives in Aging and Dementia.
This course discusses theories of aging from biological, psychological, and social science perspectives. The course also demonstrates how these theories can be applied to analyzing various aging issues, particularly the social care of persons with Alzheimer's disease and other dementias.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5355. The Social Psychology of Dementia.
This course analyzes the social construction of dementia and salient social psychological theories, concepts, and research in dementia studies. It investigates the social psychology of dementia in relation to mind, identity, stereotypes, prejudice, attributions, socialization, emotions, social interaction and the impact of institutions on the self.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5356. End of Life Care.
This course focuses on issues of dying and death. Topics covered include symptom management, palliative care, hospice, pain control, life-sustaining treatment and spiritual, legal and ethical issues related to dying and death. Also covered will be different religious views on euthanasia, dying, death, and funerals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5357. Gender and Aging in Society.
This course is a seminar on the study of gender and aging. This seminar will examine issues of aging identities, the aging body, sexuality, health and medicine, and caregiving among older adults. This course emphasizes the aging experience in our culture as a fundamentally gendered phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5359. Seminar in Drugs and Society.
A sociological examination of the use of legal and illegal drugs in society, with emphasis on topics such as the “war on drugs,” the pharmaceutical industry, and drugs as technologies of medicalization, as well as incentives to social change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5361. Aging and Dementia: Racial and Ethnic Minorities.
This course provides an analysis of how race and ethnicity affect aging and dementia, with particular emphasis on the United States. The course examines health and quality of life of racial and ethnic minorities in later life, social factors that influence these differences, and means of intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5362. Rural Aging and Dementia.
This graduate course examines aging and dementia issues in rural America. Demographic trends, cultural and economic changes, and intervention strategies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5363. Seminar in Medical Sociology.
A seminar on selected topics of human health and health care organizations. Topics to be stressed include: social causes and consequences of morbidity and mortality, professionalization and socialization of health care practitioners, organization of health institutions, and demographic changes in health problems and needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5365. Seminar in Political Sociology.
This course applies sociological theory and research to explore the exercise of power in its social context. Particular topics may include but are not limited to civil society, power outside of government, the relationship of the state to other social institutions, and the nature of elites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5367. Seminar in Sustainable Cities.
This course analyzes the complex relationship between urbanization and environmental change from a sociological perspective. Overarching themes include sustainabiilty and environmental justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5368. Seminar in Environmental Sociology.
This course situates societies within their ecological context and vice versa. Focusing upon social and environmental interactions, including the interactions of social organization, inequality, and policy, provides a comprehensive understanding of the physical and social milieu.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5370. Seminar in Multi-Cultural Relations.
Examines the dynamics of dominant subordinate social groups. Focuses on racial, ethnic, and class differences. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 5371. Directed Study.
Course of independent study open to individual students only at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5383. Seminar on Aging.
This course provides graduate students with an opportunity to examine national and global issues involved with the aging process and population aging from a social scientific and multicultural perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5388B. Social Inequality: Race, Class, and Gender in the United States.
This course will investigate the topic of social inequality. The intersections of class, race and gender as they produce inequality will be explored, along with theoretical perspectives and empirical evidence informing the study of social inequality.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388F. Seminar in Poverty.
This course is a graduate seminar on the sociological study of US poverty and social mobility. We will examine poverty measurement and trends, poverty-related social policies, theories for explaining poverty and mobility, and the intersection of poverty and social mobility with issues of gender, race, family structure, and place.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388G. Seminar in Food and Society.
This graduate course focuses on the sociological study of food. It examines the current food system and its interactions with macro-level social institutions, as well as individual identity and well-being.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388H. Advanced Statistical Analysis II.
The focus of this course is advanced data analysis. This course will cover topics such as regression, limited dependent variables analysis, and time series analysis. A secondary aim is to demonstrate data analyses using popular software packages. Prerequisite: SOCI 5307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388I. Clinical Sociology: Counseling the Elderly.
This course takes a clinical sociology perspective in studying the issues of the aged and persons with dementia. The approach is humanistic and multidisciplinary, seeking to improve the quality of older persons' lives by assessing situations and reducing problems using analysis and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388J. Applied Survey Research.
This course offers an applied approach to learning about survey methods. The course links research on survey construction and implementation to practical applications in which students solve problems associated with real-world survey instruments. Students will learn appropriate survey research terminology, as well as how to communicate in an effective and non-technical manner to others in need of survey assistance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5390. Seminar in Globalization and Development.
This seminar explores issues related to socioeconomic development and change, particularly in the "Global south." The course will focus on factors affecting development and underdevelopment around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5395. Global Insecurity.
This graduate seminar covers global, socially constructed risks perceived as threats to sustainable development. Topics include theories of globalization and insecurity; an assessment of threats to democracy and human rights, the environment, food security, public health and safety; as well as local, national and international responses to these threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5398A. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5398B. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SOCI 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Applied Sociology (Practicum Concentration)

Major Program

The Master of Science (M.S.) degree with a major in Applied Sociology is designed to prepare students for careers in state and federal government agencies, large and small businesses and non-profit organizations. Graduates of this program will have the skills and knowledge necessary to compete in a rapidly changing job market, having mastered the techniques of both qualitative and quantitative research, general statistical analysis, and impact analysis.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work in sociological theory, statistics, SPSS, and social research
- GRE not required
- statement of purpose (two pages, double-spaced with the student's full name and contact information) that describes personal and career goals. Include academic interests and the relationship of this graduate degree to life/personal goals. Also, the statement should discuss the student's interest in this particular graduate program and

the student's career goals after earning the degree. The Graduate Admissions Committee will evaluate the following:
  - Did the student demonstrate a familiarity with the field?
  - Did the student indicate his/her strengths (background, experience, training, and education)?
  - Did the student express why the program will hone his/her skills?
  - Did the student statement show excellence or promise in writing skills?
- three letters of recommendation from individuals knowledgeable about the student's academic ability and promise as a scholar

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Science (M.S.) degree with a major in Applied Sociology Practicum concentration requires 37 semester hours. Students who do not have the appropriate background course work may be required to complete leveling courses. Students must pass one or more comprehensive examinations, either written, oral, or both at the end of their course work. Defense of the professional research paper, as well as knowledge of course work, will be the foci of this comprehensive examination.

Course Requirements

Code	Title	Hours
Required Courses		
SOCI 5110	Proseminar in Sociology	1
SOCI 5306	Sociological Theory Seminar	3
SOCI 5307	Advanced Statistics for the Social Sciences	3
SOCI 5308	Seminar in Quantitative Research Methods	3
SOCI 5309	Seminar in Qualitative Research Methods	3
SOCI 5322	Impact Analysis Research	3
SOCI 5323	Grant Writing for the Social Sciences	3
SOCI 5398A	Applied Research Practicum	3
SOCI 5398B	Applied Research Practicum	3
Electives		
Choose 12 hours from the following:		12
SOCI 5316	Seminar in Deviation and Social Problems	
SOCI 5319	Seminar in Social Psychology	
SOCI 5320	Seminar in Demography	
SOCI 5353	Seminar in the Community	
SOCI 5359	Seminar in Drugs and Society	
SOCI 5363	Seminar in Medical Sociology	
SOCI 5368	Seminar in Environmental Sociology	
SOCI 5370	Seminar in Multi-Cultural Relations	
SOCI 5371	Directed Study	
SOCI 5383	Seminar on Aging	
SOCI 5388F	Seminar in Poverty	
SOCI 5388G	Seminar in Food and Society	
May choose 6 hours of advisor-approved electives from outside the department		
Total Hours		37

Practicum

Students will initiate a site-based research project to collect impact analysis or assessment data of interest to site administrators. During a subsequent term, students will complete a professional research paper based on the data. Students will be required to have a practicum proposal approved by their committee prior to beginning the research paper. Although students' research projects will vary, each will combine the emphases of the program — sociological methods and statistics, needs assessment, impact analysis, and grant writing — with the collection and analysis of quantitative and/or qualitative data.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Sociology: SOCI

Courses Offered

Sociology (SOCI)

SOCI 5105. Practicum in Teaching Sociology.
An introduction to key concepts and practices in the teaching of college course in Sociology. Provides regular in-service training and planned periodic evaluations of instructional responsibilities. Required for first-year teaching and instructional assistants in the Sociology Department. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SOCI 5110. Proseminar in Sociology.
This course will orient new graduate students to the department and the profession. Topics include presentations at professional meetings, academic writing and publishing, and putting together curriculum vitae.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5198B. Applied Research Practicum II.
This course represents a student's continuing enrollment to complete the practicum project. The student continues to enroll in this course until the practicum project is approved by the practicum committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5300. Foundation Studies in Sociology.
This course provides prerequisite knowledge required for success in graduate-level coursework in Sociology. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SOCI 5306. Sociological Theory Seminar.
This graduate theory course examines the role of social theory in the historical and contemporary quest for knowledge and understanding of society. The first half of the course emphasizes the European Classics. The second half of the course is devoted to contemporary theory. Emphasis throughout will be on using theory to better understand current events and everyday life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5307. Advanced Statistics for the Social Sciences.
Application of advanced statistical theory and methods to the analysis of social data. Prerequisite: SOCI 3307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5308. Seminar in Quantitative Research Methods.
The application of research methods to social science with emphasis on direct, practical experience in research. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5309. Seminar in Qualitative Research Methods.
This course examines qualitative methods in Sociology. Topics include examples of classical and modern qualitative research, and issues related to qualitative research. Students critique qualitative studies and conduct and defend a qualitative project. Departmental approval needed for non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5316. Seminar in Deviation and Social Problems.
A systematic analysis of contemporary social problems and various types of social deviation. Emphasis is on the socialization process as it relates to social problems and human deviation. The sociological explanation of underlying factors will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5318. Seminar in Advanced Data Applications.
This course will cover the application of various statistical techniques, such as chi-square, correlation, and regression while introducing statistical analysis to students using software such as SPSS. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5319. Seminar in Social Psychology.
A critical appraisal of the major theories and theorists found in Social Psychology with emphasis on their application to contemporary social and psychological issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5320. Seminar in Demography.
A seminar in the study of population with emphasis on sources of demographic data, techniques of demographic analysis, and population composition and forecasts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5322. Impact Analysis Research.
This course is designed to introduce students to the assessment of organizational impact. It addresses both the historical development and social functions of evaluation, as well as practical application of assessment research. Emphasis will be on appropriate research design, implementing the design, and analysis of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5323. Grant Writing for the Social Sciences.
This course offers an applied approach to developing grant-writing skills for the social scientist. It will cover all aspects of proposal development including idea generation, funding source identification, project description, project plan, project management, evaluation methods, and budget preparation strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5350. Seminar on the Sociology of Gender.
This course is a graduate level seminar on the study of gender in sociology with a focus on issues of race, ethnicity, social class, and sexuality. We will examine the major contemporary scholarly debates about gender and explore how gender issues are embedded in different institutions and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5351. Introduction to Dementia Studies.
This course is an introduction to the social-scientific study of the causes and consequences of dementia, as well as to issues related to the care of persons with dementia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5352. Dementia and Caregiving.
This course for the Dementia and Aging Studies degree covers current research on policy and support for caregivers of persons with dementia, with an emphasis on the applied sociological focus of caregiver training and education. The course also addresses broader public sociology issues of caregiving and healthcare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5353. Seminar in the Community.
A study of contemporary urban society with emphasis on understanding the social structure as a prerequisite to planning and problem solving at the community level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5354. Theoretical Perspectives in Aging and Dementia.
This course discusses theories of aging from biological, psychological, and social science perspectives. The course also demonstrates how these theories can be applied to analyzing various aging issues, particularly the social care of persons with Alzheimer's disease and other dementias.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5355. The Social Psychology of Dementia.
This course analyzes the social construction of dementia and salient social psychological theories, concepts, and research in dementia studies. It investigates the social psychology of dementia in relation to mind, identity, stereotypes, prejudice, attributions, socialization, emotions, social interaction and the impact of institutions on the self.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5356. End of Life Care.
This course focuses on issues of dying and death. Topics covered include symptom management, palliative care, hospice, pain control, life-sustaining treatment and spiritual, legal and ethical issues related to dying and death. Also covered will be different religious views on euthanasia, dying, death, and funerals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5357. Gender and Aging in Society.
This course is a seminar on the study of gender and aging. This seminar will examine issues of aging identities, the aging body, sexuality, health and medicine, and caregiving among older adults. This course emphasizes the aging experience in our culture as a fundamentally gendered phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5359. Seminar in Drugs and Society.
A sociological examination of the use of legal and illegal drugs in society, with emphasis on topics such as the "war on drugs," the pharmaceutical industry, and drugs as technologies of medicalization, as well as incentives to social change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5361. Aging and Dementia: Racial and Ethnic Minorities.
This course provides an analysis of how race and ethnicity affect aging and dementia, with particular emphasis on the United States. The course examines health and quality of life of racial and ethnic minorities in later life, social factors that influence these differences, and means of intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5362. Rural Aging and Dementia.
This graduate course examines aging and dementia issues in rural America. Demographic trends, cultural and economic changes, and intervention strategies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5363. Seminar in Medical Sociology.
A seminar on selected topics of human health and health care organizations. Topics to be stressed include: social causes and consequences of morbidity and mortality, professionalization and socialization of health care practitioners, organization of health institutions, and demographic changes in health problems and needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5365. Seminar in Political Sociology.
This course applies sociological theory and research to explore the exercise of power in its social context. Particular topics may include but are not limited to civil society, power outside of government, the relationship of the state to other social institutions, and the nature of elites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5367. Seminar in Sustainable Cities.
This course analyzes the complex relationship between urbanization and environmental change from a sociological perspective. Overarching themes include sustainabiilty and environmental justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5368. Seminar in Environmental Sociology.
This course situates societies within their ecological context and vice versa. Focusing upon social and environmental interactions, including the interactions of social organization, inequality, and policy, provides a comprehensive understanding of the physical and social milieu.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5370. Seminar in Multi-Cultural Relations.
Examines the dynamics of dominant subordinate social groups. Focuses on racial, ethnic, and class differences. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 5371. Directed Study.
Course of independent study open to individual students only at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5383. Seminar on Aging.
This course provides graduate students with an opportunity to examine national and global issues involved with the aging process and population aging from a social scientific and multicultural perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5388B. Social Inequality: Race, Class, and Gender in the United States.
This course will investigate the topic of social inequality. The intersections of class, race and gender as they produce inequality will be explored, along with theoretical perspectives and empirical evidence informing the study of social inequality.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388F. Seminar in Poverty.
This course is a graduate seminar on the sociological study of US poverty and social mobility. We will examine poverty measurement and trends, poverty-related social policies, theories for explaining poverty and mobility, and the intersection of poverty and social mobility with issues of gender, race, family structure, and place.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388G. Seminar in Food and Society.
This graduate course focuses on the sociological study of food. It examines the current food system and its interactions with macro-level social institutions, as well as individual identity and well-being.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388H. Advanced Statistical Analysis II.
The focus of this course is advanced data analysis. This course will cover topics such as regression, limited dependent variables analysis, and time series analysis. A secondary aim is to demonstrate data analyses using popular software packages. Prerequisite: SOCI 5307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388I. Clinical Sociology: Counseling the Elderly.
This course takes a clinical sociology perspective in studying the issues of the aged and persons with dementia. The approach is humanistic and multidisciplinary, seeking to improve the quality of older persons' lives by assessing situations and reducing problems using analysis and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388J. Applied Survey Research.
This course offers an applied approach to learning about survey methods. The course links research on survey construction and implementation to practical applications in which students solve problems associated with real-world survey instruments. Students will learn appropriate survey research terminology, as well as how to communicate in an effective and non-technical manner to others in need of survey assistance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5390. Seminar in Globalization and Development.
This seminar explores issues related to socioeconomic development and change, particularly in the "Global south." The course will focus on factors affecting development and underdevelopment around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5395. Global Insecurity.
This graduate seminar covers global, socially constructed risks perceived as threats to sustainable development. Topics include theories of globalization and insecurity; an assessment of threats to democracy and human rights, the environment, food security, public health and safety; as well as local, national and international responses to these threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5398A. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5398B. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SOCI 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Dementia and Aging Studies (Dementia and Long Term Care Concentration)

Major Program

This interdisciplinary, online degree offers cutting-edge knowledge about dementia and aging studies, including evolving issues related to the care of persons with dementia and other topics related to aging and the life course.

Housed in the Department of Sociology, this program also includes course work from the Department of Communication Studies, the School of Health Administration, and the School of Social Work.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work: at least six hours of undergraduate sociology/social science courses related to aging or gerontology. (Two years of documented experience in the field of gerontology may be substituted for three or six hours of social science prerequisites). *
- GRE not required
- resume/CV
- statement of purpose (two pages, double-spaced with the student's full name and contact information) that describes personal and career goals. Include academic interests and the relationship of this graduate degree to life/personal goals. Also, the statement should discuss the student's interest in this particular graduate program and the student's career goals after earning the degree. The Graduate Admissions Committee will evaluate the following:
  - Did the student demonstrate a familiarity with the field?
  - Did the student indicate his/her strengths (background, experience, training, and education)?
  - Did the student express why the program will hone his/her skills?
  - Did the student statement show excellence or promise in writing skills?
- three letters of recommendation from professionals competent to assess the student's interest in pursuing a career in this field of study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information** If the student does not have sufficient background courses or work experience in social science or areas related to aging or gerontology, the student must take leveling courses prior to beginning graduate studies in the program. Courses may be completed as a non-degree seeking student (with approval from the Director of Graduate Programs in Sociology) at Texas State University or other universities.

Degree Requirements

The Master of Science (M.S.) degree with a major in Dementia and Aging Studies Concentration in Dementia and Long Term Care requires 36 semester credit hours. Dementia and long term care allies the long term care certificate with core courses from the Department of Sociology to provide a social model of care approach to students who want to work in extended living environments when they graduate.

Course Requirements

Code	Title	Hours
Required Courses		
SOCI 5351	Introduction to Dementia Studies	3
SOCI 5352	Dementia and Caregiving	3
or SOCI 5355	The Social Psychology of Dementia	
SOCI 5383	Seminar on Aging	3
or SOCI 5354	Theoretical Perspectives in Aging and Dementia	
Concentration		
LTCA 5322	Environmental Management in Long Term Care	3
LTCA 5323	Governance Management in Long Term Care	3
LTCA 5324	Personnel Management in Long Term Care	3
LTCA 5325	Resident Care Management in Long Term Care	3
LTCA 5335	Financial Management in Long Term Care	3
LTCA 5681	Internship in Long Term Care	6
LTCA 5681	Internship in Long Term Care	6
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Sociology and related disciplines: CDIS (p. 2231), LTCA (p.), SOCI (p. 2234)

Courses Offered

Communication Disorders (CDIS)

For dementia and aging studies majors only.

CDIS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5301. Advanced Independent Study in Communication Disorders.
Discussions of various areas of speech language pathology. Attention to individual needs of the student. Emphasis on independent study in habilitation and rehabilitation of communication disorders. This course is repeatable for credit and can be taught by different faculty covering different topics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5312. Neuroanatomy for Communication Disorders.
This is a lecture course that examines the organization of the brain, spinal cord, and peripheral nervous system. Significance of the areas of the nervous system that are primary or secondary for speech, language, and hearing are the main focus of this course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5321. Clinical Practicum in Audiology.
Supervised clinical practicum in audiology. Focus is on both diagnostic and rehabilitative audiological management of diverse populations. Must be taken every semester that a student participates in supervised audiology practicum. May be repeated for credit. This course does not earn graduate degree credit. Prerequisites: CDIS 4420 and CDIS 4370 or equivalents; instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required
Grade Mode: Leveling/Assistantships

CDIS 5325. Anatomy and Physiology of the Speech Production System.
Description of structure and function of the speech production system with emphasis on physical problems in speech, language, and hearing. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5330. Speech and Language Development.
Course to acquaint students with acquisition of speech and language in children. Basic information from linguistics, psycholinguistics, psychology, and communication are examined for children in various stages of development. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5331. Stuttering Therapy.
Description of therapeutic intervention with children and adults who stutter. Techniques of assessment, management, and counseling are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5333. Language Disorders in School-Age and Adolescence.
This introductory-level course will review assessment and intervention for language disorders in the school-age and adolescent population. The relationship between language and literacy will be discussed. Students will engage in detailed narrative analyses. Evidence-based practice and collaborative models of intervention will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5334. Articulation and Phonological Disorders: Assessment and Intervention.
Study of normal, delayed, and disordered child phonology in English and select dialects/languages. Course covers etiologies, characteristics, and anatomic/physiologic bases of delays/disorders, as well as their potential impact on phonological awareness and subsequent development in reading/writing. Prevention, assessment, and treatment of disorders will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5335. Bilingual Phonology and Phonological Disorders.
Typical development of Spanish-English bilingual/bidialectal children's articulation and phonology will be discussed. Assessment and intervention of articulation and phonology with bilingual/bidialectal children will also be addressed. The information and theoretical foundations serve as a guide for students to critically evaluate and clinically apply research in bilingual populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5336. Neuromotor Disorders of Speech: Description and Rehabilitation.
The course reviews the neuroanatomic mechanisms underlying speech production and surveys the etiology, symptomatology, epidemiology, course, and prognosis of speech disorders resulting from impairment of the central and/or peripheral nervous system. Emphasis is placed on apraxia and the dysarthrias. Clinical application in assessment and rehabilitation of patients with neurogenically-based motor speech deficits is stressed. Prerequisite: CDIS 3312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5337. Vocal Rehabilitation.
Assessment of vocal function and disorders; rehabilitation of the patient with vocal abnormalities due to vocal abuse, psychological, and/or organic etiologies, including laryngectomy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5339. Dysphagia.
A review of anatomic and physiologic disturbances of swallowing in neurologically impaired and post-surgical head and neck cancer patients will be presented. Instrumentation, techniques of evaluation, and radiograph examination of deglutition will be reviewed. Rehabilitation procedures will be described in detail.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5340. Cognitive Rehabilitation in Traumatic Brain Injury.
This introductory-level course will review neuropathology and neurophysiology of traumatic brain injury and dementia, introduce relevant terms and models in cognitive rehabilitation, provide a framework for assessment and treatment, and discuss the functional impact of cognitive-communicative disorders on the patient and others. Prerequisites: CDIS 5336 and CDIS 5342 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5342. Aphasia and Related Disorders.
The course develops an understanding of the etiology, symptomatology, assessment, remediation, and recovery patterns of acquired communication disorders that result from impairment of the central nervous system, with a focus on the aphasias and traumatic brain injuries. Coexisting problems caused by damage to cortical/sub-cortical structures will also be addressed. Recent advances in relevant clinical research and technology will be surveyed. Prerequisite: CDIS 3312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5344. Advanced Clinical Practicum.
Clinical practicum for graduate students focusing on assessment and remediation of communication disorders in children and adults. Required each semester enrolled. Repeatable. This course does not earn graduate degree credit.
3 Credit Hours. 1 Lecture Contact Hour. 8 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required
Grade Mode: Leveling/Assistantships

CDIS 5350. Multicultural Issues in Communication Disorders.
Addresses the social, cultural, and linguistic factors that impact the clinical service delivery provided to culturally and linguistically diverse populations. A primary focus of the course will be to address general principles of assessment and intervention as they relate to the clinical management of individuals with communication disorders from diverse cultural and language backgrounds. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

CDIS 5362. Introduction to Research in Communicative Disorders.
Designed to acquaint the student with research protocol in behavior science, with an emphasis in speech-language pathology. Topics include research design, data analysis, manuscript preparation, and obtaining external funding. Emphasis on critical analysis of professional literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5363. Language Disorders in the Birth-to-5 Population.
This introductory-level course will review assessment and intervention for language disorders in the birth-to-5 population. Use of assessment information to determine language disorders versus language difference will be addressed. Students will engage in detailed language sample analyses. Creating effective intervention plans using assessment data will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5370. Aural Rehabilitation.
Principles and procedures in the habilitation and rehabilitation of hearing-impaired children and adults. This course does not earn graduate degree credit. Prerequisite: CDIS 5420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5380. Communication and Aging.
The influx of senior citizens in our population will require preparation for the increased incidence of communication problems due to normal and pathological aging processes. This course will address how aging affects communication, how communication disorders manifest in the aging population, and implications for professionals working with older adults.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5390. Seminar in Communication Disorders.
Examination of current theoretical and clinical issues in Communication Disorders. Issues may include family management in communication disorders, language and literacy, issues in health care rehabilitation, instrumentation and entrepreneurship. May be repeated for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CDIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Communication Disorders 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5420. Introduction to Audiology.
Relates anatomy and physiology of the auditory system and the science of acoustics to the study of normal, pathological auditory function. Laboratory experience in administration and interpretation of audiological tests. Discussion of professional opportunities in the field of Audiology and provision of audiological service to special populations. This course does not earn graduate degree credit. Prerequisite: CDIS 5469 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5459. Phonemics and Phonetics.
Analysis of normal and abnormal phonological processes in children and adults. Proficiency in transcription using the alphabet of the International Phonetic Association emphasized. This course does not earn graduate degree credit.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5462. Remediation of Articulatory and Phonological Disorders.
This course prepares students to manage articulation and phonological disorders. Current therapeutic models are reviewed. Observation of therapy and instruction in preparation of written clinical reports are required. This course does not earn graduate degree credit. Prerequisites: CDIS 5325 and CDIS 5459 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5466. Clinical Management of Language Disorders.
Study of principles and procedures for the identification, description, assessment, and remediation of language disorders in infants, children, and adolescents. Students will observe demonstrations of assessment procedures and types of language disorders within the context of clinical procedures. Describing observed behaviors and analyzing language samples are emphasized. This course does not earn graduate degree credit. Prerequisite: CDIS 5330 with a grade of "C" or better.
4 Credit Hours. 4 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5469. Introduction to Hearing Science.
Study of acoustics, auditory physiology, and perception of sound. Includes discussion of auditory sensitivity, signal detection, psychoacoustic methods, perception of pitch and loudness, binaural hearing, and speech perception. Associated laboratory promotes reinforcement of concepts addressed in lecture through review, problem-solving, and weekly assignments. This course does not earn graduate degree credit.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5475. Speech Science.
Normal processes of speech production will be addressed from anatomic, physiologic, kinematic, aerodynamic, acoustic, and perceptual perspectives. Measurement and analysis techniques, instrumentation, and experimental paradigms used to study speech production and perception will be emphasized. This course does not earn graduate degree credit. Prerequisites: CDIS 5325 and CDIS 5459 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5680. International Multicultural Experience in Communication Disorders.
This is a Study Abroad opportunity allowing students to compare speech-language-hearing clinical and educational models in the United States with those from other countries. Emphasis is on social, linguistic, economic and cultural factors that impact assessment and treatment. This course combines time on-campus with a multi-week, international learning experience.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CDIS 5689. Internship in Communication Disorders.
Laboratory and clinical practicum at selected therapeutic sites used to provide additional breadth to therapeutic experiences. Repeated for credit. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
6 Credit Hours. 1 Lecture Contact Hour. 30 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CDIS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Long Term Care Administration

LTCA 5302. Elder Abuse and Mistreatment.
This course provides an introductory overview of key theories, concepts/principles, issues, practices and challenges in elder abuse and mistreatment (EA/M). Course content includes: definitions and theories, incidence and prevalence, risk/protective factors, assessment, prevention, intervention, factors affecting screening/reporting, and the impact of EA/M on victims, caregivers, family and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5305. Environmental Design for Dementia.
The potential of the physical environment to play an active role in supporting independence, stimulation, and life quality for individuals with dementia will be explored in this course. Emphasis will be placed on principles behind environmental design and the importance of utilizing the physical environment as a therapeutic tool.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5322. Environmental Management in Long Term Care.
Students will compare performance analyses of long-term care facilities with a focus on organizational culture, and internal and external customer satisfaction. Plans of managerial action to maximize customer satisfaction will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5323. Governance Management in Long Term Care.
Focuses on regulations for the operation of long term care facilities as promulgated by state and federal governments. Reviews the minimum requirements for licensure and the standards for Medicaid certification in Texas. Also examines specific activities and functions regarding accountability and enforcement procedures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5324. Personnel Management in Long Term Care.
An examination of management issues in long-term care primarily in the critical areas of human resources, public relations, and marketing. Examples include staff recruitment and retention programs, training needs analysis, and marketing plan formulation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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LTCA 5325. Resident Care Management in Long Term Care.
Administratively oriented content related to nursing care, quality indicator, and geriatric pharmacology utilized in long term care facilities. The course content reflects the relative legislative requirements mandated for nursing homes and other long-term care facilities.
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LTCA 5335. Financial Management in Long Term Care.
Students will examine the fiscal performance of selected facilities utilizing data from annual Medicaid cost reports with a focus on revenue enhancement and census development. Students will contrast various systems for determination of reimbursement and use reimbursement issues in a strategic planning sense.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5681. Internship in Long Term Care.
This course is an internship where the student works directly with an administrator in a licensed nursing facility and is exposed to aspects of facility operation and management. Students are required to complete 1,000 hours. To meet 1,000 hour licensure requirement, this course can be repeated up to two semesters.
6 Credit Hours. 0 Lecture Contact Hours. 24 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Sociology (SOCI)

SOCI 5105. Practicum in Teaching Sociology.
An introduction to key concepts and practices in the teaching of college course in Sociology. Provides regular in-service training and planned periodic evaluations of instructional responsibilities. Required for first-year teaching and instructional assistants in the Sociology Department. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SOCI 5110. Proseminar in Sociology.
This course will orient new graduate students to the department and the profession. Topics include presentations at professional meetings, academic writing and publishing, and putting together curriculum vitae.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5198B. Applied Research Practicum II.
This course represents a student's continuing enrollment to complete the practicum project. The student continues to enroll in this course until the practicum project is approved by the practicum committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5300. Foundation Studies in Sociology.
This course provides prerequisite knowledge required for success in graduate-level coursework in Sociology. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
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SOCI 5306. Sociological Theory Seminar.
This graduate theory course examines the role of social theory in the historical and contemporary quest for knowledge and understanding of society. The first half of the course emphasizes the European Classics. The second half of the course is devoted to contemporary theory. Emphasis throughout will be on using theory to better understand current events and everyday life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5307. Advanced Statistics for the Social Sciences.
Application of advanced statistical theory and methods to the analysis of social data. Prerequisite: SOCI 3307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5308. Seminar in Quantitative Research Methods.
The application of research methods to social science with emphasis on direct, practical experience in research. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5309. Seminar in Qualitative Research Methods.
This course examines qualitative methods in Sociology. Topics include examples of classical and modern qualitative research, and issues related to qualitative research. Students critique qualitative studies and conduct and defend a qualitative project. Departmental approval needed for non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5316. Seminar in Deviation and Social Problems.
A systematic analysis of contemporary social problems and various types of social deviation. Emphasis is on the socialization process as it relates to social problems and human deviation. The sociological explanation of underlying factors will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5318. Seminar in Advanced Data Applications.
This course will cover the application of various statistical techniques, such as chi-square, correlation, and regression while introducing statistical analysis to students using software such as SPSS. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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SOCI 5319. Seminar in Social Psychology.
A critical appraisal of the major theories and theorists found in Social Psychology with emphasis on their application to contemporary social and psychological issues.
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Grade Mode: Standard Letter

SOCI 5320. Seminar in Demography.
A seminar in the study of population with emphasis on sources of demographic data, techniques of demographic analysis, and population composition and forecasts.
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SOCI 5322. Impact Analysis Research.
This course is designed to introduce students to the assessment of organizational impact. It addresses both the historical development and social functions of evaluation, as well as practical application of assessment research. Emphasis will be on appropriate research design, implementing the design, and analysis of data.
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SOCI 5323. Grant Writing for the Social Sciences.
This course offers an applied approach to developing grant-writing skills for the social scientist. It will cover all aspects of proposal development including idea generation, funding source identification, project description, project plan, project management, evaluation methods, and budget preparation strategies.
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Grade Mode: Standard Letter

SOCI 5350. Seminar on the Sociology of Gender.
This course is a graduate level seminar on the study of gender in sociology with a focus on issues of race, ethnicity, social class, and sexuality. We will examine the major contemporary scholarly debates about gender and explore how gender issues are embedded in different institutions and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5351. Introduction to Dementia Studies.
This course is an introduction to the social-scientific study of the causes and consequences of dementia, as well as to issues related to the care of persons with dementia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5352. Dementia and Caregiving.
This course for the Dementia and Aging Studies degree covers current research on policy and support for caregivers of persons with dementia, with an emphasis on the applied sociological focus of caregiver training and education. The course also addresses broader public sociology issues of caregiving and healthcare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5353. Seminar in the Community.
A study of contemporary urban society with emphasis on understanding the social structure as a prerequisite to planning and problem solving at the community level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5354. Theoretical Perspectives in Aging and Dementia.
This course discusses theories of aging from biological, psychological, and social science perspectives. The course also demonstrates how these theories can be applied to analyzing various aging issues, particularly the social care of persons with Alzheimer's disease and other dementias.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5355. The Social Psychology of Dementia.
This course analyzes the social construction of dementia and salient social psychological theories, concepts, and research in dementia studies. It investigates the social psychology of dementia in relation to mind, identity, stereotypes, prejudice, attributions, socialization, emotions, social interaction and the impact of institutions on the self.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5356. End of Life Care.
This course focuses on issues of dying and death. Topics covered include symptom management, palliative care, hospice, pain control, life-sustaining treatment and spiritual, legal and ethical issues related to dying and death. Also covered will be different religious views on euthanasia, dying, death, and funerals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5357. Gender and Aging in Society.
This course is a seminar on the study of gender and aging. This seminar will examine issues of aging identities, the aging body, sexuality, health and medicine, and caregiving among older adults. This course emphasizes the aging experience in our culture as a fundamentally gendered phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5359. Seminar in Drugs and Society.
A sociological examination of the use of legal and illegal drugs in society, with emphasis on topics such as the "war on drugs," the pharmaceutical industry, and drugs as technologies of medicalization, as well as incentives to social change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5361. Aging and Dementia: Racial and Ethnic Minorities.
This course provides an analysis of how race and ethnicity affect aging and dementia, with particular emphasis on the United States. The course examines health and quality of life of racial and ethnic minorities in later life, social factors that influence these differences, and means of intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5362. Rural Aging and Dementia.
This graduate course examines aging and dementia issues in rural America. Demographic trends, cultural and economic changes, and intervention strategies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5363. Seminar in Medical Sociology.
A seminar on selected topics of human health and health care organizations. Topics to be stressed include: social causes and consequences of morbidity and mortality, professionalization and socialization of health care practitioners, organization of health institutions, and demographic changes in health problems and needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5365. Seminar in Political Sociology.
This course applies sociological theory and research to explore the exercise of power in its social context. Particular topics may include but are not limited to civil society, power outside of government, the relationship of the state to other social institutions, and the nature of elites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5367. Seminar in Sustainable Cities.
This course analyzes the complex relationship between urbanization and environmental change from a sociological perspective. Overarching themes include sustainabiilty and environmental justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5368. Seminar in Environmental Sociology.
This course situates societies within their ecological context and vice versa. Focusing upon social and environmental interactions, including the interactions of social organization, inequality, and policy, provides a comprehensive understanding of the physical and social milieu.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5370. Seminar in Multi-Cultural Relations.
Examines the dynamics of dominant subordinate social groups. Focuses on racial, ethnic, and class differences. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 5371. Directed Study.
Course of independent study open to individual students only at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5383. Seminar on Aging.
This course provides graduate students with an opportunity to examine national and global issues involved with the aging process and population aging from a social scientific and multicultural perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5388B. Social Inequality: Race, Class, and Gender in the United States.
This course will investigate the topic of social inequality. The intersections of class, race and gender as they produce inequality will be explored, along with theoretical perspectives and empirical evidence informing the study of social inequality.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388F. Seminar in Poverty.
This course is a graduate seminar on the sociological study of US poverty and social mobility. We will examine poverty measurement and trends, poverty-related social policies, theories for explaining poverty and mobility, and the intersection of poverty and social mobility with issues of gender, race, family structure, and place.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388G. Seminar in Food and Society.
This graduate course focuses on the sociological study of food. It examines the current food system and its interactions with macro-level social institutions, as well as individual identity and well-being.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388H. Advanced Statistical Analysis II.
The focus of this course is advanced data analysis. This course will cover topics such as regression, limited dependent variables analysis, and time series analysis. A secondary aim is to demonstrate data analyses using popular software packages. Prerequisite: SOCI 5307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388I. Clinical Sociology: Counseling the Elderly.
This course takes a clinical sociology perspective in studying the issues of the aged and persons with dementia. The approach is humanistic and multidisciplinary, seeking to improve the quality of older persons' lives by assessing situations and reducing problems using analysis and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388J. Applied Survey Research.
This course offers an applied approach to learning about survey methods. The course links research on survey construction and implementation to practical applications in which students solve problems associated with real-world survey instruments. Students will learn appropriate survey research terminology, as well as how to communicate in an effective and non-technical manner to others in need of survey assistance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5390. Seminar in Globalization and Development.
This seminar explores issues related to socioeconomic development and change, particularly in the “Global south.” The course will focus on factors affecting development and underdevelopment around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5395. Global Insecurity.
This graduate seminar covers global, socially constructed risks perceived as threats to sustainable development. Topics include theories of globalization and insecurity; an assessment of threats to democracy and human rights, the environment, food security, public health and safety; as well as local, national and international responses to these threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5398A. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5398B. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SOCI 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Dementia and Aging Studies (Practitioner Concentration)

Major Program

This interdisciplinary, online degree offers cutting-edge knowledge about dementia and aging studies, including evolving issues related to the care of persons with dementia and other topics related to aging and the life course.

Housed in the Department of Sociology, this program also includes course work from the Department of Communication Studies, the School of Health Administration, and the School of Social Work.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work: at least six hours of undergraduate sociology/social science courses related to aging or gerontology. (Two years of documented experience in the field of gerontology may be substituted for three or six hours of social science prerequisites). *
- GRE not required
- resume/CV
- statement of purpose (two pages, double-spaced with the student's full name and contact information) that describes personal and career goals. Include academic interests and the relationship of this graduate degree to life/personal goals. Also, the statement should discuss the student's interest in this particular graduate program and the student's career goals after earning the degree. The Graduate Admissions Committee will evaluate the following:
  - Did the student demonstrate a familiarity with the field?
  - Did the student indicate his/her strengths (background, experience, training, and education)?
  - Did the student express why the program will hone his/her skills?
  - Did the student statement show excellence or promise in writing skills?
- three letters of recommendation from professionals competent to assess the student's interest in pursuing a career in this field of study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

If the student does not have sufficient background courses or work experience in social science or areas related to aging or gerontology, the student must take leveling courses prior to beginning graduate studies in the program. Courses may be completed as a non-degree seeking student (with approval from the Director of Graduate Programs in Sociology) at Texas State University or other universities.

Degree Requirements

The Master of Science (M.S.) degree major in Dementia and Aging Studies practitioner concentration requires 33 semester credit hours. The practitioner concentration offers an in-depth education involving courses from all participating departments and allowing students to work in any facility or organization whose concern is the health and well-being of the individuals affected by dementia.

Course Requirements

Code	Title	Hours
Required Courses		
SOCI 5351	Introduction to Dementia Studies	3
SOCI 5352	Dementia and Caregiving	3
SOCI 5355	The Social Psychology of Dementia	3
SOCI 5383	Seminar on Aging	3
or SOCI 5354	Theoretical Perspectives in Aging and Dementia	
Concentration		
Choose 21 hours from the following:		21
CDIS 5380	Communication and Aging	
LTCA 5322	Environmental Management in Long Term Care	
LTCA 5323	Governance Management in Long Term Care	
LTCA 5324	Personnel Management in Long Term Care	
LTCA 5325	Resident Care Management in Long Term Care	
LTCA 5335	Financial Management in Long Term Care	
PHIL 5360A	Ethics and Dementia	
SOCI 5354	Theoretical Perspectives in Aging and Dementia	
SOCI 5356	End of Life Care	
SOCI 5357	Gender and Aging in Society	
SOCI 5361	Aging and Dementia: Racial and Ethnic Minorities	
SOCI 5362	Rural Aging and Dementia	
SOCI 5363	Seminar in Medical Sociology	
SOCI 5388I	Clinical Sociology: Counseling the Elderly	
SOWK 5328	Interdisciplinary Perspectives on Aging	
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Sociology and related disciplines: LTCA (p.), SOCI (p. 2240)

Courses Offered

Long Term Care Administration

LTCA 5302. Elder Abuse and Mistreatment.
This course provides an introductory overview of key theories, concepts/principles, issues, practices and challenges in elder abuse and mistreatment (EA/M). Course content includes: definitions and theories, incidence and prevalence, risk/protective factors, assessment, prevention, intervention, factors affecting screening/reporting, and the impact of EA/M on victims, caregivers, family and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5305. Environmental Design for Dementia.
The potential of the physical environment to play an active role in supporting independence, stimulation, and life quality for individuals with dementia will be explored in this course. Emphasis will be placed on principles behind environmental design and the importance of utilizing the physical environment as a therapeutic tool.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5322. Environmental Management in Long Term Care.
Students will compare performance analyses of long-term care facilities with a focus on organizational culture, and internal and external customer satisfaction. Plans of managerial action to maximize customer satisfaction will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5323. Governance Management in Long Term Care.
Focuses on regulations for the operation of long term care facilities as promulgated by state and federal governments. Reviews the minimum requirements for licensure and the standards for Medicaid certification in Texas. Also examines specific activities and functions regarding accountability and enforcement procedures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5324. Personnel Management in Long Term Care.
An examination of management issues in long-term care primarily in the critical areas of human resources, public relations, and marketing. Examples include staff recruitment and retention programs, training needs analysis, and marketing plan formulation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
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Administratively oriented content related to nursing care, quality indicator, and geriatric pharmacology utilized in long term care facilities. The course content reflects the relative legislative requirements mandated for nursing homes and other long-term care facilities.
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Sociology (SOCI)

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An introduction to key concepts and practices in the teaching of college course in Sociology. Provides regular in-service training and planned periodic evaluations of instructional responsibilities. Required for first-year teaching and instructional assistants in the Sociology Department. This course does not earn graduate degree credit. Repeatable with different emphasis.
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This course will orient new graduate students to the department and the profession. Topics include presentations at professional meetings, academic writing and publishing, and putting together curriculum vitae.
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This course provides prerequisite knowledge required for success in graduate-level coursework in Sociology. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
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This course is designed to introduce students to the assessment of organizational impact. It addresses both the historical development and social functions of evaluation, as well as practical application of assessment research. Emphasis will be on appropriate research design, implementing the design, and analysis of data.
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Grade Mode: Standard Letter

SOCI 5323. Grant Writing for the Social Sciences.
This course offers an applied approach to developing grant-writing skills for the social scientist. It will cover all aspects of proposal development including idea generation, funding source identification, project description, project plan, project management, evaluation methods, and budget preparation strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5350. Seminar on the Sociology of Gender.
This course is a graduate level seminar on the study of gender in sociology with a focus on issues of race, ethnicity, social class, and sexuality. We will examine the major contemporary scholarly debates about gender and explore how gender issues are embedded in different institutions and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5351. Introduction to Dementia Studies.
This course is an introduction to the social-scientific study of the causes and consequences of dementia, as well as to issues related to the care of persons with dementia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5352. Dementia and Caregiving.
This course for the Dementia and Aging Studies degree covers current research on policy and support for caregivers of persons with dementia, with an emphasis on the applied sociological focus of caregiver training and education. The course also addresses broader public sociology issues of caregiving and healthcare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5353. Seminar in the Community.
A study of contemporary urban society with emphasis on understanding the social structure as a prerequisite to planning and problem solving at the community level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5354. Theoretical Perspectives in Aging and Dementia.
This course discusses theories of aging from biological, psychological, and social science perspectives. The course also demonstrates how these theories can be applied to analyzing various aging issues, particularly the social care of persons with Alzheimer's disease and other dementias.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5355. The Social Psychology of Dementia.
This course analyzes the social construction of dementia and salient social psychological theories, concepts, and research in dementia studies. It investigates the social psychology of dementia in relation to mind, identity, stereotypes, prejudice, attributions, socialization, emotions, social interaction and the impact of institutions on the self.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5356. End of Life Care.
This course focuses on issues of dying and death. Topics covered include symptom management, palliative care, hospice, pain control, life-sustaining treatment and spiritual, legal and ethical issues related to dying and death. Also covered will be different religious views on euthanasia, dying, death, and funerals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5357. Gender and Aging in Society.
This course is a seminar on the study of gender and aging. This seminar will examine issues of aging identities, the aging body, sexuality, health and medicine, and caregiving among older adults. This course emphasizes the aging experience in our culture as a fundamentally gendered phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5359. Seminar in Drugs and Society.
A sociological examination of the use of legal and illegal drugs in society, with emphasis on topics such as the “war on drugs,” the pharmaceutical industry, and drugs as technologies of medicalization, as well as incentives to social change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5361. Aging and Dementia: Racial and Ethnic Minorities.
This course provides an analysis of how race and ethnicity affect aging and dementia, with particular emphasis on the United States. The course examines health and quality of life of racial and ethnic minorities in later life, social factors that influence these differences, and means of intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5362. Rural Aging and Dementia.
This graduate course examines aging and dementia issues in rural America. Demographic trends, cultural and economic changes, and intervention strategies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5363. Seminar in Medical Sociology.
A seminar on selected topics of human health and health care organizations. Topics to be stressed include: social causes and consequences of morbidity and mortality, professionalization and socialization of health care practitioners, organization of health institutions, and demographic changes in health problems and needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5365. Seminar in Political Sociology.
This course applies sociological theory and research to explore the exercise of power in its social context. Particular topics may include but are not limited to civil society, power outside of government, the relationship of the state to other social institutions, and the nature of elites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5367. Seminar in Sustainable Cities.
This course analyzes the complex relationship between urbanization and environmental change from a sociological perspective. Overarching themes include sustainabiilty and environmental justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5368. Seminar in Environmental Sociology.
This course situates societies within their ecological context and vice versa. Focusing upon social and environmental interactions, including the interactions of social organization, inequality, and policy, provides a comprehensive understanding of the physical and social milieu.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5370. Seminar in Multi-Cultural Relations.
Examines the dynamics of dominant subordinate social groups. Focuses on racial, ethnic, and class differences. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 5371. Directed Study.
Course of independent study open to individual students only at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5383. Seminar on Aging.
This course provides graduate students with an opportunity to examine national and global issues involved with the aging process and population aging from a social scientific and multicultural perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5388B. Social Inequality: Race, Class, and Gender in the United States.
This course will investigate the topic of social inequality. The intersections of class, race and gender as they produce inequality will be explored, along with theoretical perspectives and empirical evidence informing the study of social inequality.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388F. Seminar in Poverty.
This course is a graduate seminar on the sociological study of US poverty and social mobility. We will examine poverty measurement and trends, poverty-related social policies, theories for explaining poverty and mobility, and the intersection of poverty and social mobility with issues of gender, race, family structure, and place.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388G. Seminar in Food and Society.
This graduate course focuses on the sociological study of food. It examines the current food system and its interactions with macro-level social institutions, as well as individual identity and well-being.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388H. Advanced Statistical Analysis II.
The focus of this course is advanced data analysis. This course will cover topics such as regression, limited dependent variables analysis, and time series analysis. A secondary aim is to demonstrate data analyses using popular software packages. Prerequisite: SOCI 5307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388I. Clinical Sociology: Counseling the Elderly.
This course takes a clinical sociology perspective in studying the issues of the aged and persons with dementia. The approach is humanistic and multidisciplinary, seeking to improve the quality of older persons' lives by assessing situations and reducing problems using analysis and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388J. Applied Survey Research.
This course offers an applied approach to learning about survey methods. The course links research on survey construction and implementation to practical applications in which students solve problems associated with real-world survey instruments. Students will learn appropriate survey research terminology, as well as how to communicate in an effective and non-technical manner to others in need of survey assistance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5390. Seminar in Globalization and Development.
This seminar explores issues related to socioeconomic development and change, particularly in the "Global south." The course will focus on factors affecting development and underdevelopment around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5395. Global Insecurity.
This graduate seminar covers global, socially constructed risks perceived as threats to sustainable development. Topics include theories of globalization and insecurity; an assessment of threats to democracy and human rights, the environment, food security, public health and safety; as well as local, national and international responses to these threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5398A. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5398B. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SOCI 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Dementia and Aging Studies (Research Concentration)

Major Program

This interdisciplinary, online degree offers cutting-edge knowledge about dementia and aging studies, including evolving issues related to the care of persons with dementia and other topics related to aging and the life course.

Housed in the Department of Sociology, this program also includes course work from the Department of Communication Studies, the School of Health Administration, and the School of Social Work.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials

- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work: at least six hours of undergraduate sociology/social science courses related to aging or gerontology. (Two years of documented experience in the field of gerontology may be substituted for three or six hours of social science prerequisites).*
- GRE not required
- resume/CV
- statement of purpose (two pages, double-spaced with the student's full name and contact information) that describes personal and career goals. Include academic interests and the relationship of this graduate degree to life/personal goals. Also, the statement should discuss the student's interest in this particular graduate program and the student's career goals after earning the degree. The Graduate Admissions Committee will evaluate the following:
  - Did the student demonstrate a familiarity with the field?
  - Did the student indicate his/her strengths (background, experience, training, and education)?
  - Did the student express why the program will hone his/her skills?
  - Did the student statement show excellence or promise in writing skills?
- three letters of recommendation from professionals competent to assess the student's interest in pursuing a career in this field of study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information** If the student does not have sufficient background courses or work experience in social science or areas related to aging or gerontology, the student must take leveling courses prior to beginning graduate studies in the program. Courses may be completed as a non-degree seeking student (with approval from the Director of Graduate Programs in Sociology) at Texas State University or other universities.

Degree Requirements

The Master of Science (M.S.) degree major in Dementia and Aging Studies research concentration requires 33 semester credit hours, including a thesis. The research concentration offers courses to prepare students for doctoral programs in gerontology, sociology, and related fields.

Course Requirements

Code	Title	Hours
Required Corses		
SOCI 5351	Introduction to Dementia Studies	3
SOCI 5352	Dementia and Caregiving	3
SOCI 5355	The Social Psychology of Dementia	3
SOCI 5383	Seminar on Aging (Concentration)	3
or SOCI 5354	Theoretical Perspectives in Aging and Dementia	
Concentration		
SOCI 5307	Advanced Statistics for the Social Sciences	3
SOCI 5308	Seminar in Quantitative Research Methods	3
or SOCI 5309	Seminar in Qualitative Research Methods	
Electives		
Choose 9 hours from the following:		9
CDIS 5380	Communication and Aging	
PHIL 5360A	Ethics and Dementia	
SOCI 5308	Seminar in Quantitative Research Methods	
SOCI 5309	Seminar in Qualitative Research Methods	
SOCI 5318	Seminar in Advanced Data Applications	
SOCI 5354	Theoretical Perspectives in Aging and Dementia	
SOCI 5356	End of Life Care	
SOCI 5357	Gender and Aging in Society	
SOCI 5361	Aging and Dementia: Racial and Ethnic Minorities	
SOCI 5362	Rural Aging and Dementia	
SOCI 5363	Seminar in Medical Sociology	
SOCI 5388I	Clinical Sociology: Counseling the Elderly	
SOWK 5328	Interdisciplinary Perspectives on Aging	
Thesis		
SOCI 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
SOCI 5199B	Thesis	
SOCI 5299B	Thesis	
SOCI 5399B	Thesis	
SOCI 5599B	Thesis	
SOCI 5999B	Thesis	
Total Hours		33

Comprehensive Exams

Students completing the research concentration must pass a comprehensive exam and defend their thesis at the end of their courses.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must

obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Sociology and related disciplines: LTCA (p.), SOCI (p. 2246)

Courses Offered

Long Term Care Administration

LTCA 5302. Elder Abuse and Mistreatment.
This course provides an introductory overview of key theories, concepts/principles, issues, practices and challenges in elder abuse and mistreatment (EA/M). Course content includes: definitions and theories, incidence and prevalence, risk/protective factors, assessment, prevention, intervention, factors affecting screening/reporting, and the impact of EA/M on victims, caregivers, family and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5305. Environmental Design for Dementia.
The potential of the physical environment to play an active role in supporting independence, stimulation, and life quality for individuals with dementia will be explored in this course. Emphasis will be placed on principles behind environmental design and the importance of utilizing the physical environment as a therapeutic tool.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5322. Environmental Management in Long Term Care.
Students will compare performance analyses of long-term care facilities with a focus on organizational culture, and internal and external customer satisfaction. Plans of managerial action to maximize customer satisfaction will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5323. Governance Management in Long Term Care.
Focuses on regulations for the operation of long term care facilities as promulgated by state and federal governments. Reviews the minimum requirements for licensure and the standards for Medicaid certification in Texas. Also examines specific activities and functions regarding accountability and enforcement procedures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5324. Personnel Management in Long Term Care.
An examination of management issues in long-term care primarily in the critical areas of human resources, public relations, and marketing. Examples include staff recruitment and retention programs, training needs analysis, and marketing plan formulation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5325. Resident Care Management in Long Term Care.
Administratively oriented content related to nursing care, quality indicator, and geriatric pharmacology utilized in long term care facilities. The course content reflects the relative legislative requirements mandated for nursing homes and other long-term care facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5335. Financial Management in Long Term Care.
Students will examine the fiscal performance of selected facilities utilizing data from annual Medicaid cost reports with a focus on revenue enhancement and census development. Students will contrast various systems for determination of reimbursement and use reimbursement issues in a strategic planning sense.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5681. Internship in Long Term Care.
This course is an internship where the student works directly with an administrator in a licensed nursing facility and is exposed to aspects of facility operation and management. Students are required to complete 1,000 hours. To meet 1,000 hour licensure requirement, this course can be repeated up to two semesters.
6 Credit Hours. 0 Lecture Contact Hours. 24 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Sociology (SOCI)

SOCI 5105. Practicum in Teaching Sociology.
An introduction to key concepts and practices in the teaching of college course in Sociology. Provides regular in-service training and planned periodic evaluations of instructional responsibilities. Required for first-year teaching and instructional assistants in the Sociology Department. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SOCI 5110. Proseminar in Sociology.
This course will orient new graduate students to the department and the profession. Topics include presentations at professional meetings, academic writing and publishing, and putting together curriculum vitae.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5198B. Applied Research Practicum II.
This course represents a student's continuing enrollment to complete the practicum project. The student continues to enroll in this course until the practicum project is approved by the practicum committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5300. Foundation Studies in Sociology.
This course provides prerequisite knowledge required for success in graduate-level coursework in Sociology. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SOCI 5306. Sociological Theory Seminar.
This graduate theory course examines the role of social theory in the historical and contemporary quest for knowledge and understanding of society. The first half of the course emphasizes the European Classics. The second half of the course is devoted to contemporary theory. Emphasis throughout will be on using theory to better understand current events and everyday life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5307. Advanced Statistics for the Social Sciences.
Application of advanced statistical theory and methods to the analysis of social data. Prerequisite: SOCI 3307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5308. Seminar in Quantitative Research Methods.
The application of research methods to social science with emphasis on direct, practical experience in research. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5309. Seminar in Qualitative Research Methods.
This course examines qualitative methods in Sociology. Topics include examples of classical and modern qualitative research, and issues related to qualitative research. Students critique qualitative studies and conduct and defend a qualitative project. Departmental approval needed for non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5316. Seminar in Deviation and Social Problems.
A systematic analysis of contemporary social problems and various types of social deviation. Emphasis is on the socialization process as it relates to social problems and human deviation. The sociological explanation of underlying factors will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5318. Seminar in Advanced Data Applications.
This course will cover the application of various statistical techniques, such as chi-square, correlation, and regression while introducing statistical analysis to students using software such as SPSS. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5319. Seminar in Social Psychology.
A critical appraisal of the major theories and theorists found in Social Psychology with emphasis on their application to contemporary social and psychological issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5320. Seminar in Demography.
A seminar in the study of population with emphasis on sources of demographic data, techniques of demographic analysis, and population composition and forecasts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5322. Impact Analysis Research.
This course is designed to introduce students to the assessment of organizational impact. It addresses both the historical development and social functions of evaluation, as well as practical application of assessment research. Emphasis will be on appropriate research design, implementing the design, and analysis of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5323. Grant Writing for the Social Sciences.
This course offers an applied approach to developing grant-writing skills for the social scientist. It will cover all aspects of proposal development including idea generation, funding source identification, project description, project plan, project management, evaluation methods, and budget preparation strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5350. Seminar on the Sociology of Gender.
This course is a graduate level seminar on the study of gender in sociology with a focus on issues of race, ethnicity, social class, and sexuality. We will examine the major contemporary scholarly debates about gender and explore how gender issues are embedded in different institutions and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5351. Introduction to Dementia Studies.
This course is an introduction to the social-scientific study of the causes and consequences of dementia, as well as to issues related to the care of persons with dementia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5352. Dementia and Caregiving.
This course for the Dementia and Aging Studies degree covers current research on policy and support for caregivers of persons with dementia, with an emphasis on the applied sociological focus of caregiver training and education. The course also addresses broader public sociology issues of caregiving and healthcare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5353. Seminar in the Community.
A study of contemporary urban society with emphasis on understanding the social structure as a prerequisite to planning and problem solving at the community level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5354. Theoretical Perspectives in Aging and Dementia.
This course discusses theories of aging from biological, psychological, and social science perspectives. The course also demonstrates how these theories can be applied to analyzing various aging issues, particularly the social care of persons with Alzheimer's disease and other dementias.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5355. The Social Psychology of Dementia.
This course analyzes the social construction of dementia and salient social psychological theories, concepts, and research in dementia studies. It investigates the social psychology of dementia in relation to mind, identity, stereotypes, prejudice, attributions, socialization, emotions, social interaction and the impact of institutions on the self.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5356. End of Life Care.
This course focuses on issues of dying and death. Topics covered include symptom management, palliative care, hospice, pain control, life-sustaining treatment and spiritual, legal and ethical issues related to dying and death. Also covered will be different religious views on euthanasia, dying, death, and funerals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5357. Gender and Aging in Society.
This course is a seminar on the study of gender and aging. This seminar will examine issues of aging identities, the aging body, sexuality, health and medicine, and caregiving among older adults. This course emphasizes the aging experience in our culture as a fundamentally gendered phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5359. Seminar in Drugs and Society.
A sociological examination of the use of legal and illegal drugs in society, with emphasis on topics such as the "war on drugs," the pharmaceutical industry, and drugs as technologies of medicalization, as well as incentives to social change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5361. Aging and Dementia: Racial and Ethnic Minorities.
This course provides an analysis of how race and ethnicity affect aging and dementia, with particular emphasis on the United States. The course examines health and quality of life of racial and ethnic minorities in later life, social factors that influence these differences, and means of intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5362. Rural Aging and Dementia.
This graduate course examines aging and dementia issues in rural America. Demographic trends, cultural and economic changes, and intervention strategies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5363. Seminar in Medical Sociology.
A seminar on selected topics of human health and health care organizations. Topics to be stressed include: social causes and consequences of morbidity and mortality, professionalization and socialization of health care practitioners, organization of health institutions, and demographic changes in health problems and needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5365. Seminar in Political Sociology.
This course applies sociological theory and research to explore the exercise of power in its social context. Particular topics may include but are not limited to civil society, power outside of government, the relationship of the state to other social institutions, and the nature of elites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5367. Seminar in Sustainable Cities.
This course analyzes the complex relationship between urbanization and environmental change from a sociological perspective. Overarching themes include sustainabiilty and environmental justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5368. Seminar in Environmental Sociology.
This course situates societies within their ecological context and vice versa. Focusing upon social and environmental interactions, including the interactions of social organization, inequality, and policy, provides a comprehensive understanding of the physical and social milieu.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5370. Seminar in Multi-Cultural Relations.
Examines the dynamics of dominant subordinate social groups. Focuses on racial, ethnic, and class differences. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 5371. Directed Study.
Course of independent study open to individual students only at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5383. Seminar on Aging.
This course provides graduate students with an opportunity to examine national and global issues involved with the aging process and population aging from a social scientific and multicultural perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5388B. Social Inequality: Race, Class, and Gender in the United States.
This course will investigate the topic of social inequality. The intersections of class, race and gender as they produce inequality will be explored, along with theoretical perspectives and empirical evidence informing the study of social inequality.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388F. Seminar in Poverty.
This course is a graduate seminar on the sociological study of US poverty and social mobility. We will examine poverty measurement and trends, poverty-related social policies, theories for explaining poverty and mobility, and the intersection of poverty and social mobility with issues of gender, race, family structure, and place.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388G. Seminar in Food and Society.
This graduate course focuses on the sociological study of food. It examines the current food system and its interactions with macro-level social institutions, as well as individual identity and well-being.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388H. Advanced Statistical Analysis II.
The focus of this course is advanced data analysis. This course will cover topics such as regression, limited dependent variables analysis, and time series analysis. A secondary aim is to demonstrate data analyses using popular software packages. Prerequisite: SOCI 5307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388I. Clinical Sociology: Counseling the Elderly.
This course takes a clinical sociology perspective in studying the issues of the aged and persons with dementia. The approach is humanistic and multidisciplinary, seeking to improve the quality of older persons' lives by assessing situations and reducing problems using analysis and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388J. Applied Survey Research.
This course offers an applied approach to learning about survey methods. The course links research on survey construction and implementation to practical applications in which students solve problems associated with real-world survey instruments. Students will learn appropriate survey research terminology, as well as how to communicate in an effective and non-technical manner to others in need of survey assistance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5390. Seminar in Globalization and Development.
This seminar explores issues related to socioeconomic development and change, particularly in the "Global south." The course will focus on factors affecting development and underdevelopment around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5395. Global Insecurity.
This graduate seminar covers global, socially constructed risks perceived as threats to sustainable development. Topics include theories of globalization and insecurity; an assessment of threats to democracy and human rights, the environment, food security, public health and safety; as well as local, national and international responses to these threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5398A. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5398B. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SOCI 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Sustainability Studies (Non-thesis Option)

Major Program

The degree is specifically designed to prepare committed leaders to address emerging sustainability issues. Students completing the program will have the technical skills to formulate and solve problems at the appropriate scale, as well as the breadth of vision to recognize the interconnectedness and complexity of human-environment systems. Graduates will be prepared for admission into strong doctoral programs or professional schools, and important positions in the growing field of sustainability-related careers within local, state, or federal government, regulatory agencies, non-governmental organizations, consulting firms and within relevant industries. The program is available to graduate students seeking a more diversified program of study than is generally available for students specializing in a single discipline. The program is open to any qualified graduate student, and is particularly relevant for those wishing to improve their subject matter competence in more than one discipline. The M.S. in Sustainability Studies is designed for students inclined toward social sciences, natural sciences, economics, policy, ethics or related fields. The program is tailored to accommodate both full-time and part-time graduate students.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- current resume
- statement of purpose (approximately two pages, double-spaced with full name and contact information) regarding the student's interest in pursuing the M.A. degree and describing personal and career goals. Include academic interests and the relationship of this graduate degree to life/personal goals. Also, the statement should discuss the student's interest in this particular graduate program and the student's career goals after earning the degree. The Graduate Admissions Committee will evaluate the following:
  - Did the student demonstrate a familiarity with the field?
  - Did the student indicate his/her strengths (background, experience, training, and education)?
  - Did the student express why the program will hone his/her skills?
  - Did the student statement show excellence or promise in writing skills?
- three letters of recommendation from professionals competent to assess the student's interest in pursuing a career in this field of study. Two of the three letters must be from someone who can assess academic accomplishments and/or potential in the program.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Science (M.S.) degree with a major in Sustainability Studies requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
PHIL 5323	Environmental Ethics	3
SUST 5301	Seminar in Sustainability	3
SUST 5398	Professional Project	3
Choose 3-4 hours from the following:		3-4
ANTH 5305	Anthropological Statistics	
FCS 5302J	Statistics and Data Analysis for Family and Consumer Sciences	
GEO 5300	Applied Research Design and Techniques	
GEO 5418	Geographic Information Systems I	
PA 5390	Applied Research Methodology	
PS 5302	Political Research and Methodology	
SOCI 5307	Advanced Statistics for the Social Sciences	
SOCI 5308	Seminar in Quantitative Research Methods	
SOCI 5309	Seminar in Qualitative Research Methods	
Electives: Policy, Law, Leadership, and Society		
Choose 3 hours from the following:		3
BIO 5350M	Wildlife Policy and Law in North America	
BIO 5362	Environmental Impact Analysis	

BIO 7360U	Sustainability in a Changing World
BLAW 5333	Legal Issues of Sustainability and Responsibility
BLAW 5368E	Environmental Law and Policy
ENG 5353	Studies in Medieval Literature
FCS 5305	Sustainable Housing
GEO 5312	Managing Urbanization
GEO 5313	Environmental Management
GEO 5314	Geographic Elements of Environmental Law
GEO 5329	Historical Geography of the Environment
GEO 5330	Geography of Hazards
GEO 5393D	Water Resource Planning
MCS 5342	Sustainable Consumer Economy
PA 5351	Urban Transportation Policy
PA 5353	Ecology and the Politics of Sustainability
PA 5355	Environmental Policy
PA 5380A	Texas Water Law and Policy
PHIL 5329	Food Ethics
PHIL 5360C	Philosophy, Nonviolence, Sustainability, and Social Change
SOCI 5353	Seminar in the Community
SOCI 5367	Seminar in Sustainable Cities
SOCI 5368	Seminar in Environmental Sociology
SOCI 5388G	Seminar in Food and Society
SOCI 5390	Seminar in Globalization and Development
SOCI 5395	Global Insecurity
Electives: Science and the Environment	
Choose 3-4 hours from the following:	3-4
AG 5370	Special Problems in Technical Agriculture
BIO 5415	Ichthyology
BIO 5470	Limnology
FCS 5307	Sustainable Lighting
MCS 5303	Sustainable Textiles
GEO 5334	Applied Water Resources
TECH 5382	Sustainability in Industrial Management
Electives	
Choose 18 hours from the following:	18
AG 5370	Special Problems in Technical Agriculture
BIO 5350M	Wildlife Policy and Law in North America
BIO 5362	Environmental Impact Analysis
BIO 5415	Ichthyology
BIO 5470	Limnology
BIO 7360U	Sustainability in a Changing World
BLAW 5333	Legal Issues of Sustainability and Responsibility
BLAW 5368E	Environmental Law and Policy
ENG 5353	Studies in Medieval Literature
FCS 5305	Sustainable Housing
FCS 5307	Sustainable Lighting
GEO 5312	Managing Urbanization
GEO 5313	Environmental Management
GEO 5314	Geographic Elements of Environmental Law
GEO 5329	Historical Geography of the Environment
GEO 5330	Geography of Hazards
GEO 5393D	Water Resource Planning
GEO 5334	Applied Water Resources
MCS 5303	Sustainable Textiles
MCS 5342	Sustainable Consumer Economy
PA 5351	Urban Transportation Policy
PA 5353	Ecology and the Politics of Sustainability
PA 5355	Environmental Policy
PA 5380A	Texas Water Law and Policy
PHIL 5329	Food Ethics
PHIL 5360C	Philosophy, Nonviolence, Sustainability, and Social Change
SOCI 5353	Seminar in the Community
SOCI 5367	Seminar in Sustainable Cities
SOCI 5368	Seminar in Environmental Sociology
SOCI 5388G	Seminar in Food and Society
SOCI 5390	Seminar in Globalization and Development
SOCI 5395	Global Insecurity
TECH 5382	Sustainability in Industrial Management
Total Hours	36-38

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one aor more comprehensive examinations.

Master's level courses in Sustainability Studies: SUST (p. 2251), SOCI (p. 2252)

Courses Offered

Sustainability Studies (SUST)

SUST 5105. Practicum in Teaching.
This course is an introduction to key concepts and practices in the teaching of college courses. It provides regular in-service training and planned periodic evaluations of instructional responsibilities. It is required for first-year teaching and instructional assistants in the MA and MS in Sustainability programs. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SUST 5197. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5198B. Professional Project II.
This course represents a student's continuing enrollment to complete the professional project. The student continues to enroll in this course until the project is completed and approved by the committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SUST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5297. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5301. Seminar in Sustainability.
The seminar in sustainability is an opportunity for students to learn about issues from a wide-ranging set of perspectives. The seminar is, by design, interdisciplinary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5397. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5398. Professional Project.
This course involves individual work related to a professional topic or project with specific guidance from graduate faculty. The project requires the completion of a rigorous paper that is the culmination of the final paper/project for the non-thesis degree in Sustainability Studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SUST 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Sociology (SOCI)

SOCI 5105. Practicum in Teaching Sociology.
An introduction to key concepts and practices in the teaching of college course in Sociology. Provides regular in-service training and planned periodic evaluations of instructional responsibilities. Required for first-year teaching and instructional assistants in the Sociology Department. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SOCI 5110. Proseminar in Sociology.
This course will orient new graduate students to the department and the profession. Topics include presentations at professional meetings, academic writing and publishing, and putting together curriculum vitae.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5198B. Applied Research Practicum II.
This course represents a student's continuing enrollment to complete the practicum project. The student continues to enroll in this course until the practicum project is approved by the practicum committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5300. Foundation Studies in Sociology.
This course provides prerequisite knowledge required for success in graduate-level coursework in Sociology. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SOCI 5306. Sociological Theory Seminar.
This graduate theory course examines the role of social theory in the historical and contemporary quest for knowledge and understanding of society. The first half of the course emphasizes the European Classics. The second half of the course is devoted to contemporary theory. Emphasis throughout will be on using theory to better understand current events and everyday life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5307. Advanced Statistics for the Social Sciences.
Application of advanced statistical theory and methods to the analysis of social data. Prerequisite: SOCI 3307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5308. Seminar in Quantitative Research Methods.
The application of research methods to social science with emphasis on direct, practical experience in research. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5309. Seminar in Qualitative Research Methods.
This course examines qualitative methods in Sociology. Topics include examples of classical and modern qualitative research, and issues related to qualitative research. Students critique qualitative studies and conduct and defend a qualitative project. Departmental approval needed for non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5316. Seminar in Deviation and Social Problems.
A systematic analysis of contemporary social problems and various types of social deviation. Emphasis is on the socialization process as it relates to social problems and human deviation. The sociological explanation of underlying factors will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5318. Seminar in Advanced Data Applications.
This course will cover the application of various statistical techniques, such as chi-square, correlation, and regression while introducing statistical analysis to students using software such as SPSS. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5319. Seminar in Social Psychology.
A critical appraisal of the major theories and theorists found in Social Psychology with emphasis on their application to contemporary social and psychological issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5320. Seminar in Demography.
A seminar in the study of population with emphasis on sources of demographic data, techniques of demographic analysis, and population composition and forecasts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5322. Impact Analysis Research.
This course is designed to introduce students to the assessment of organizational impact. It addresses both the historical development and social functions of evaluation, as well as practical application of assessment research. Emphasis will be on appropriate research design, implementing the design, and analysis of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5323. Grant Writing for the Social Sciences.
This course offers an applied approach to developing grant-writing skills for the social scientist. It will cover all aspects of proposal development including idea generation, funding source identification, project description, project plan, project management, evaluation methods, and budget preparation strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5350. Seminar on the Sociology of Gender.
This course is a graduate level seminar on the study of gender in sociology with a focus on issues of race, ethnicity, social class, and sexuality. We will examine the major contemporary scholarly debates about gender and explore how gender issues are embedded in different institutions and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5351. Introduction to Dementia Studies.
This course is an introduction to the social-scientific study of the causes and consequences of dementia, as well as to issues related to the care of persons with dementia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5352. Dementia and Caregiving.
This course for the Dementia and Aging Studies degree covers current research on policy and support for caregivers of persons with dementia, with an emphasis on the applied sociological focus of caregiver training and education. The course also addresses broader public sociology issues of caregiving and healthcare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5353. Seminar in the Community.
A study of contemporary urban society with emphasis on understanding the social structure as a prerequisite to planning and problem solving at the community level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5354. Theoretical Perspectives in Aging and Dementia.
This course discusses theories of aging from biological, psychological, and social science perspectives. The course also demonstrates how these theories can be applied to analyzing various aging issues, particularly the social care of persons with Alzheimer's disease and other dementias.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5355. The Social Psychology of Dementia.
This course analyzes the social construction of dementia and salient social psychological theories, concepts, and research in dementia studies. It investigates the social psychology of dementia in relation to mind, identity, stereotypes, prejudice, attributions, socialization, emotions, social interaction and the impact of institutions on the self.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5356. End of Life Care.
This course focuses on issues of dying and death. Topics covered include symptom management, palliative care, hospice, pain control, life-sustaining treatment and spiritual, legal and ethical issues related to dying and death. Also covered will be different religious views on euthanasia, dying, death, and funerals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5357. Gender and Aging in Society.
This course is a seminar on the study of gender and aging. This seminar will examine issues of aging identities, the aging body, sexuality, health and medicine, and caregiving among older adults. This course emphasizes the aging experience in our culture as a fundamentally gendered phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5359. Seminar in Drugs and Society.
A sociological examination of the use of legal and illegal drugs in society, with emphasis on topics such as the "war on drugs," the pharmaceutical industry, and drugs as technologies of medicalization, as well as incentives to social change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5361. Aging and Dementia: Racial and Ethnic Minorities.
This course provides an analysis of how race and ethnicity affect aging and dementia, with particular emphasis on the United States. The course examines health and quality of life of racial and ethnic minorities in later life, social factors that influence these differences, and means of intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5362. Rural Aging and Dementia.
This graduate course examines aging and dementia issues in rural America. Demographic trends, cultural and economic changes, and intervention strategies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5363. Seminar in Medical Sociology.
A seminar on selected topics of human health and health care organizations. Topics to be stressed include: social causes and consequences of morbidity and mortality, professionalization and socialization of health care practitioners, organization of health institutions, and demographic changes in health problems and needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5365. Seminar in Political Sociology.
This course applies sociological theory and research to explore the exercise of power in its social context. Particular topics may include but are not limited to civil society, power outside of government, the relationship of the state to other social institutions, and the nature of elites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5367. Seminar in Sustainable Cities.
This course analyzes the complex relationship between urbanization and environmental change from a sociological perspective. Overarching themes include sustainabiilty and environmental justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5368. Seminar in Environmental Sociology.
This course situates societies within their ecological context and vice versa. Focusing upon social and environmental interactions, including the interactions of social organization, inequality, and policy, provides a comprehensive understanding of the physical and social milieu.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5370. Seminar in Multi-Cultural Relations.
Examines the dynamics of dominant subordinate social groups. Focuses on racial, ethnic, and class differences. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 5371. Directed Study.
Course of independent study open to individual students only at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5383. Seminar on Aging.
This course provides graduate students with an opportunity to examine national and global issues involved with the aging process and population aging from a social scientific and multicultural perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5388B. Social Inequality: Race, Class, and Gender in the United States.
This course will investigate the topic of social inequality. The intersections of class, race and gender as they produce inequality will be explored, along with theoretical perspectives and empirical evidence informing the study of social inequality.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388F. Seminar in Poverty.
This course is a graduate seminar on the sociological study of US poverty and social mobility. We will examine poverty measurement and trends, poverty-related social policies, theories for explaining poverty and mobility, and the intersection of poverty and social mobility with issues of gender, race, family structure, and place.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388G. Seminar in Food and Society.
This graduate course focuses on the sociological study of food. It examines the current food system and its interactions with macro-level social institutions, as well as individual identity and well-being.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388H. Advanced Statistical Analysis II.
The focus of this course is advanced data analysis. This course will cover topics such as regression, limited dependent variables analysis, and time series analysis. A secondary aim is to demonstrate data analyses using popular software packages. Prerequisite: SOCI 5307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388I. Clinical Sociology: Counseling the Elderly.
This course takes a clinical sociology perspective in studying the issues of the aged and persons with dementia. The approach is humanistic and multidisciplinary, seeking to improve the quality of older persons' lives by assessing situations and reducing problems using analysis and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388J. Applied Survey Research.
This course offers an applied approach to learning about survey methods. The course links research on survey construction and implementation to practical applications in which students solve problems associated with real-world survey instruments. Students will learn appropriate survey research terminology, as well as how to communicate in an effective and non-technical manner to others in need of survey assistance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5390. Seminar in Globalization and Development.
This seminar explores issues related to socioeconomic development and change, particularly in the "Global south." The course will focus on factors affecting development and underdevelopment around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5395. Global Insecurity.
This graduate seminar covers global, socially constructed risks perceived as threats to sustainable development. Topics include theories of globalization and insecurity; an assessment of threats to democracy and human rights, the environment, food security, public health and safety; as well as local, national and international responses to these threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5398A. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5398B. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SOCI 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Sustainability Studies (Thesis Option)

Major Program

The degree is specifically designed to prepare committed leaders to address emerging sustainability issues. Students completing the program will have the technical skills to formulate and solve problems at the appropriate scale, as well as the breadth of vision to recognize the interconnectedness and complexity of human-environment systems. Graduates will be prepared for admission into strong doctoral programs or professional schools, and important positions in the growing field of sustainability-related careers within local, state, or federal government, regulatory agencies, non-governmental organizations, consulting firms and within relevant industries. The program is available to graduate students seeking a more diversified program of study than is generally available for students specializing in a single discipline. The program is open to any qualified graduate student, and is particularly relevant for those wishing to improve their subject matter competence in more than one discipline. The M.S. in Sustainability Studies is designed for students inclined toward social sciences, natural sciences, economics, policy, ethics or related fields. The program is tailored to accommodate both full-time and part-time graduate students.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE not required
- current resume
- statement of purpose (approximately two pages, double-spaced with full name and contact information) regarding the student's interest in pursuing the M.A. degree and describing personal and career goals. Include academic interests and the relationship of this graduate degree to life/personal goals. Also, the statement should discuss the student's interest in this particular graduate program and the student's career goals after earning the degree. The Graduate Admissions Committee will evaluate the following:
  - Did the student demonstrate a familiarity with the field?
  - Did the student indicate his/her strengths (background, experience, training, and education)?
  - Did the student express why the program will hone his/her skills?
  - Did the student statement show excellence or promise in writing skills?
- three letters of recommendation from professionals competent to assess the student's interest in pursuing a career in this field of study. Two of the three letters must be from someone who can assess academic accomplishments and/or potential in the program.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Science (M.S.) degree with a major in Sustainability Studies requires 36 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
PHIL 5323	Environmental Ethics	3
SUST 5301	Seminar in Sustainability	3
Choose 3-4 hours from the following:		3-4
ANTH 5305	Anthropological Statistics	
FCS 5302J	Statistics and Data Analysis for Family and Consumer Sciences	
GEO 5300	Applied Research Design and Techniques	
GEO 5418	Geographic Information Systems I	
PA 5390	Applied Research Methodology	
PS 5302	Political Research and Methodology	
SOCI 5307	Advanced Statistics for the Social Sciences	
SOCI 5308	Seminar in Quantitative Research Methods	
SOCI 5309	Seminar in Qualitative Research Methods	
Electives: Policy, Law, Leadership, and Society		
Choose 3 hours from the following:		3
BIO 5350M	Wildlife Policy and Law in North America	
BIO 5362	Environmental Impact Analysis	
BIO 7360U	Sustainability in a Changing World	
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368E	Environmental Law and Policy	
ENG 5353	Studies in Medieval Literature	
FCS 5305	Sustainable Housing	
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	
GEO 5314	Geographic Elements of Environmental Law	
GEO 5329	Historical Geography of the Environment	
GEO 5330	Geography of Hazards	
GEO 5393D	Water Resource Planning	
MCS 5342	Sustainable Consumer Economy	
PA 5351	Urban Transportation Policy	
PA 5353	Ecology and the Politics of Sustainability	
PA 5355	Environmental Policy	
PA 5380A	Texas Water Law and Policy	
PHIL 5329	Food Ethics	
PHIL 5360C	Philosophy, Nonviolence, Sustainability, and Social Change	
SOCI 5353	Seminar in the Community	
SOCI 5367	Seminar in Sustainable Cities	
SOCI 5368	Seminar in Environmental Sociology	
SOCI 5388G	Seminar in Food and Society	
SOCI 5390	Seminar in Globalization and Development	
SOCI 5395	Global Insecurity	
Electives: Science and the Environment		
Choose 3-4 hours from the following:		3-4
AG 5370	Special Problems in Technical Agriculture	
BIO 5415	Ichthyology	
BIO 5470	Limnology	
FCS 5307	Sustainable Lighting	
MCS 5303	Sustainable Textiles	
GEO 5334	Applied Water Resources	
TECH 5382	Sustainability in Industrial Management	
Electives		
Choose 15 hours from the following:		15
AG 5370	Special Problems in Technical Agriculture	
BIO 5350M	Wildlife Policy and Law in North America	
BIO 5362	Environmental Impact Analysis	
BIO 5415	Ichthyology	
BIO 5470	Limnology	
BIO 7360U	Sustainability in a Changing World	
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368E	Environmental Law and Policy	
ENG 5353	Studies in Medieval Literature	
FCS 5305	Sustainable Housing	
FCS 5307	Sustainable Lighting	
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	
GEO 5314	Geographic Elements of Environmental Law	
GEO 5329	Historical Geography of the Environment	
GEO 5330	Geography of Hazards	
GEO 5393D	Water Resource Planning	
GEO 5334	Applied Water Resources	
MCS 5303	Sustainable Textiles	
MCS 5342	Sustainable Consumer Economy	
PA 5351	Urban Transportation Policy	
PA 5353	Ecology and the Politics of Sustainability	
PA 5355	Environmental Policy	
PA 5380A	Texas Water Law and Policy	
PHIL 5329	Food Ethics	
PHIL 5360C	Philosophy, Nonviolence, Sustainability, and Social Change	
SOCI 5353	Seminar in the Community	
SOCI 5367	Seminar in Sustainable Cities	
SOCI 5368	Seminar in Environmental Sociology	
SOCI 5388G	Seminar in Food and Society	
SOCI 5390	Seminar in Globalization and Development	
SOCI 5395	Global Insecurity	
TECH 5382	Sustainability in Industrial Management	
Thesis		
SUST 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
SUST 5199B	Thesis	
SUST 5299B	Thesis	
SUST 5399B	Thesis	
SUST 5599B	Thesis	
Total Hours		36-38

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Sustainability Studies: SUST (p.), SOCI (p. 2259)

Courses Offered

Sustainability Studies (SUST)

SUST 5105. Practicum in Teaching.
This course is an introduction to key concepts and practices in the teaching of college courses. It provides regular in-service training and planned periodic evaluations of instructional responsibilities. It is required for first-year teaching and instructional assistants in the MA and MS in Sustainability programs. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SUST 5197. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5198B. Professional Project II.
This course represents a student's continuing enrollment to complete the professional project. The student continues to enroll in this course until the project is completed and approved by the committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SUST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5297. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5301. Seminar in Sustainability.
The seminar in sustainability is an opportunity for students to learn about issues from a wide-ranging set of perspectives. The seminar is, by design, interdisciplinary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5397. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5398. Professional Project.
This course involves individual work related to a professional topic or project with specific guidance from graduate faculty. The project requires the completion of a rigorous paper that is the culmination of the final paper/project for the non-thesis degree in Sustainability Studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SUST 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Sociology (SOCI)

SOCI 5105. Practicum in Teaching Sociology.
An introduction to key concepts and practices in the teaching of college course in Sociology. Provides regular in-service training and planned periodic evaluations of instructional responsibilities. Required for first-year teaching and instructional assistants in the Sociology Department. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SOCI 5110. Proseminar in Sociology.
This course will orient new graduate students to the department and the profession. Topics include presentations at professional meetings, academic writing and publishing, and putting together curriculum vitae.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5198B. Applied Research Practicum II.
This course represents a student's continuing enrollment to complete the practicum project. The student continues to enroll in this course until the practicum project is approved by the practicum committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5300. Foundation Studies in Sociology.
This course provides prerequisite knowledge required for success in graduate-level coursework in Sociology. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SOCI 5306. Sociological Theory Seminar.
This graduate theory course examines the role of social theory in the historical and contemporary quest for knowledge and understanding of society. The first half of the course emphasizes the European Classics. The second half of the course is devoted to contemporary theory. Emphasis throughout will be on using theory to better understand current events and everyday life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5307. Advanced Statistics for the Social Sciences.
Application of advanced statistical theory and methods to the analysis of social data. Prerequisite: SOCI 3307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5308. Seminar in Quantitative Research Methods.
The application of research methods to social science with emphasis on direct, practical experience in research. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5309. Seminar in Qualitative Research Methods.
This course examines qualitative methods in Sociology. Topics include examples of classical and modern qualitative research, and issues related to qualitative research. Students critique qualitative studies and conduct and defend a qualitative project. Departmental approval needed for non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5316. Seminar in Deviation and Social Problems.
A systematic analysis of contemporary social problems and various types of social deviation. Emphasis is on the socialization process as it relates to social problems and human deviation. The sociological explanation of underlying factors will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5318. Seminar in Advanced Data Applications.
This course will cover the application of various statistical techniques, such as chi-square, correlation, and regression while introducing statistical analysis to students using software such as SPSS. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5319. Seminar in Social Psychology.
A critical appraisal of the major theories and theorists found in Social Psychology with emphasis on their application to contemporary social and psychological issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5320. Seminar in Demography.
A seminar in the study of population with emphasis on sources of demographic data, techniques of demographic analysis, and population composition and forecasts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5322. Impact Analysis Research.
This course is designed to introduce students to the assessment of organizational impact. It addresses both the historical development and social functions of evaluation, as well as practical application of assessment research. Emphasis will be on appropriate research design, implementing the design, and analysis of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5323. Grant Writing for the Social Sciences.
This course offers an applied approach to developing grant-writing skills for the social scientist. It will cover all aspects of proposal development including idea generation, funding source identification, project description, project plan, project management, evaluation methods, and budget preparation strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5350. Seminar on the Sociology of Gender.
This course is a graduate level seminar on the study of gender in sociology with a focus on issues of race, ethnicity, social class, and sexuality. We will examine the major contemporary scholarly debates about gender and explore how gender issues are embedded in different institutions and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5351. Introduction to Dementia Studies.
This course is an introduction to the social-scientific study of the causes and consequences of dementia, as well as to issues related to the care of persons with dementia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5352. Dementia and Caregiving.
This course for the Dementia and Aging Studies degree covers current research on policy and support for caregivers of persons with dementia, with an emphasis on the applied sociological focus of caregiver training and education. The course also addresses broader public sociology issues of caregiving and healthcare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5353. Seminar in the Community.
A study of contemporary urban society with emphasis on understanding the social structure as a prerequisite to planning and problem solving at the community level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5354. Theoretical Perspectives in Aging and Dementia.
This course discusses theories of aging from biological, psychological, and social science perspectives. The course also demonstrates how these theories can be applied to analyzing various aging issues, particularly the social care of persons with Alzheimer's disease and other dementias.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5355. The Social Psychology of Dementia.
This course analyzes the social construction of dementia and salient social psychological theories, concepts, and research in dementia studies. It investigates the social psychology of dementia in relation to mind, identity, stereotypes, prejudice, attributions, socialization, emotions, social interaction and the impact of institutions on the self.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5356. End of Life Care.
This course focuses on issues of dying and death. Topics covered include symptom management, palliative care, hospice, pain control, life-sustaining treatment and spiritual, legal and ethical issues related to dying and death. Also covered will be different religious views on euthanasia, dying, death, and funerals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5357. Gender and Aging in Society.
This course is a seminar on the study of gender and aging. This seminar will examine issues of aging identities, the aging body, sexuality, health and medicine, and caregiving among older adults. This course emphasizes the aging experience in our culture as a fundamentally gendered phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5359. Seminar in Drugs and Society.
A sociological examination of the use of legal and illegal drugs in society, with emphasis on topics such as the "war on drugs," the pharmaceutical industry, and drugs as technologies of medicalization, as well as incentives to social change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5361. Aging and Dementia: Racial and Ethnic Minorities.
This course provides an analysis of how race and ethnicity affect aging and dementia, with particular emphasis on the United States. The course examines health and quality of life of racial and ethnic minorities in later life, social factors that influence these differences, and means of intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5362. Rural Aging and Dementia.
This graduate course examines aging and dementia issues in rural America. Demographic trends, cultural and economic changes, and intervention strategies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5363. Seminar in Medical Sociology.
A seminar on selected topics of human health and health care organizations. Topics to be stressed include: social causes and consequences of morbidity and mortality, professionalization and socialization of health care practitioners, organization of health institutions, and demographic changes in health problems and needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5365. Seminar in Political Sociology.
This course applies sociological theory and research to explore the exercise of power in its social context. Particular topics may include but are not limited to civil society, power outside of government, the relationship of the state to other social institutions, and the nature of elites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5367. Seminar in Sustainable Cities.
This course analyzes the complex relationship between urbanization and environmental change from a sociological perspective. Overarching themes include sustainabiilty and environmental justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5368. Seminar in Environmental Sociology.
This course situates societies within their ecological context and vice versa. Focusing upon social and environmental interactions, including the interactions of social organization, inequality, and policy, provides a comprehensive understanding of the physical and social milieu.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5370. Seminar in Multi-Cultural Relations.
Examines the dynamics of dominant subordinate social groups. Focuses on racial, ethnic, and class differences. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 5371. Directed Study.
Course of independent study open to individual students only at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5383. Seminar on Aging.
This course provides graduate students with an opportunity to examine national and global issues involved with the aging process and population aging from a social scientific and multicultural perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5388B. Social Inequality: Race, Class, and Gender in the United States.
This course will investigate the topic of social inequality. The intersections of class, race and gender as they produce inequality will be explored, along with theoretical perspectives and empirical evidence informing the study of social inequality.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388F. Seminar in Poverty.
This course is a graduate seminar on the sociological study of US poverty and social mobility. We will examine poverty measurement and trends, poverty-related social policies, theories for explaining poverty and mobility, and the intersection of poverty and social mobility with issues of gender, race, family structure, and place.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388G. Seminar in Food and Society.
This graduate course focuses on the sociological study of food. It examines the current food system and its interactions with macro-level social institutions, as well as individual identity and well-being.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388H. Advanced Statistical Analysis II.
The focus of this course is advanced data analysis. This course will cover topics such as regression, limited dependent variables analysis, and time series analysis. A secondary aim is to demonstrate data analyses using popular software packages. Prerequisite: SOCI 5307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388I. Clinical Sociology: Counseling the Elderly.
This course takes a clinical sociology perspective in studying the issues of the aged and persons with dementia. The approach is humanistic and multidisciplinary, seeking to improve the quality of older persons' lives by assessing situations and reducing problems using analysis and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388J. Applied Survey Research.
This course offers an applied approach to learning about survey methods. The course links research on survey construction and implementation to practical applications in which students solve problems associated with real-world survey instruments. Students will learn appropriate survey research terminology, as well as how to communicate in an effective and non-technical manner to others in need of survey assistance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5390. Seminar in Globalization and Development.
This seminar explores issues related to socioeconomic development and change, particularly in the “Global south.” The course will focus on factors affecting development and underdevelopment around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5395. Global Insecurity.
This graduate seminar covers global, socially constructed risks perceived as threats to sustainable development. Topics include theories of globalization and insecurity; an assessment of threats to democracy and human rights, the environment, food security, public health and safety; as well as local, national and international responses to these threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5398A. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5398B. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SOCI 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Minor in Sociology

The graduate minor in Sociology requires 9 semester credit hours of advisor-approved Sociology courses.

Department of World Languages and Literatures

Centennial Hall Room 214
Telephone: 512-245-2360 Fax: 512-245-8298
www.worldlang.txstate.edu (https://nam04.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.worldlang.txstate.edu&data=02%7C01%7Csg42%40txstate.edu%7Ca0d558661d564dce78b008d6ca74f39a%7Cb19c134a14c94d4caf65c420f94c8cbb%7C0%7C0%7C636919000996726585&sdata=VxGHBrfbeeOPKN6oWiMjbmXj%2B9XXo1D4FOiyyw99JbE%3D&reserved=0)

The M.A. in Spanish in the Department of World Languages and Literatures helps equip our graduate students with knowledge and skills required for such diverse fields as international business, international law, foreign affairs, translation, interpretation, politics, publishing, journalism, broadcasting, and teaching. The M.A. also prepares students to enter Ph.D. programs (in Spanish and other disciplines), leading to careers in higher education research, instruction, administration, and other high-level professional fields. Recent placements of our M.A. graduates in doctoral programs include the University of Miami, the University of Texas at Austin, Northeastern University, and the University of Houston.

The faculty of the Department of World Languages and Literatures publish internationally and are recognized for their expertise in literature, linguistics, cultural studies, and film. The department also publishes *Letras Hispanas: Revista de Literatura y Cultura*, a peer-reviewed, open-access online journal of scholarly essays that engage topics in connection with Spanish, Latin American, and U.S. Latino literature and cultures.

Master of Arts (M.A.)

- Major in Spanish (33-hour Non-thesis Option) (p. 2267)
- Major in Spanish (33-hour Non-thesis Internship Option) (p. 2263)
- Major in Spanish (33-hour Thesis Option) (p. 2270)
- Major in Spanish (36-hour Non-thesis Internship Option) (p. 2275)
- Major in Spanish (36-hour Non-thesis Minor and additional Spanish hours Option) (p. 2278)
- Major in Spanish (36-hour Thesis Option) (p. 2282)

Minor

- Spanish (p. 2286)

Master of Arts (M.A.) Major in Spanish (33-hour Non-thesis Internship Option)

Major Program

The master of arts (M.A.) program in Spanish is a dynamic academic unit that combines research and applied learning in order to advance knowledge of the Spanish language and the literature and cultures of the Hispanic world. Its objective is to empower individuals to be productive in a global society. At Texas State, the Spanish M.A. program provides students with the foundation they need to:

1. serve in a wide range of public and private sector professions requiring a high degree of proficiency in Spanish,
2. pursue doctoral studies, and
3. teach in institutions of higher learning.

The M.A. program is designed for students interested in advancing their skills and knowledge within the context of organized research in Spanish language, literature, and culture.

The M.A. program with minor allows students to advance their skills and knowledge within the context of organized research in Spanish language, literature, and culture and to develop a minor interest in a related area. Students may choose among minors in the humanities, social sciences, education, or other disciplines, or they may develop special emphases in literary periods or areas such as Latin American studies, Medieval/Renaissance studies, Chicano/Chicana literature, critical theory, humanities, linguistics, education, or women's studies.

Financial Assistance

Qualified graduate students in the M.A. program may apply for appointments as instructional assistants or teaching assistants. Application forms for instructional assistantships and teaching assistantships are available from the department administrative assistant. For information on other scholarship programs for graduate students, contact The Graduate College.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in 12 or more upper division undergraduate hours in Spanish, including six hours of Spanish literature
- GRE not required
- resume/CV including contact information for three references, at least two of whom should be professors familiar with the student's academic work
- statement of purpose written in Spanish explaining professional and personal interest in the M.A. in Spanish
- two letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Spanish requires 33 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
Choose 27 hours from the following:		27
SPAN 5310A	Voyages and Encounters in Spanish American Literature	
SPAN 5310B	Don Quijote	
SPAN 5310C	Poetry of Spain and Spanish America	
SPAN 5310D	Hispanic Literature: Gabriel García Márquez	
SPAN 5310E	Hispanic Literature: Hispanic Film	
SPAN 5311	Studies in Medieval and Golden Age Spanish Peninsular Literature	
SPAN 5312	Studies in Spanish Peninsular Literature from the Eighteenth Century to the Present	
SPAN 5313	Studies in South American Literatures	
SPAN 5314	Studies in Central American and Caribbean Literatures	
SPAN 5315	Studies in Mexican and Mexican-American Literatures	
SPAN 5316	Studies in Spanish Peninsular Culture	
SPAN 5317	Studies in the Cultures of the Americas	
SPAN 5318	Advanced Composition and Grammar	
SPAN 5319	Synchronic Spanish Linguistics	
SPAN 5320	Diachronic Spanish Linguistics	
SPAN 5321	Spanish Applied Linguistics	
SPAN 5322	Spanish for the Professions	
SPAN 5390	Studies in Spanish Culture, Language, or Literature	
Internship		
SPAN 5600	Internship and Foreign Study	6
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Modern Languages: SPAN

Courses Offered

Spanish (SPAN)

SPAN 5100. Practicum in Teaching Spanish.
Required as a condition of employment for graduate teaching and instructional assistants in their initial semester of employment. The course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SPAN 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5300. Foundation Studies in Spanish.
Course designed to develop knowledge and skills required for success in graduate-level studies in Spanish. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SPAN 5306. Studies in Spanish Peninsular Literature.
Selected works of Spanish literature which reflect lasting cultural values. a) Medieval and Golden Age: realism and idealism; b) Modern spanish thought: the individual in Spanish history and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

SPAN 5307. Studies in Spanish American Literature.
Selected works of Spanish literature which reflect lasting cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

SPAN 5308. Studies in Hispanic Culture.
Selected works of Spanish literature which reflect lasting cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPAN 5310A. Voyages and Encounters in Spanish American Literature.
Thorough analysis of historical and fictional voyages. The course will address how encounters with indigenous, ethnic minority, and foreign cultures have influenced the development of individual, national and regional identities in Spanish America. Readings will include accounts of the Conquest, colonial texts, and literature for the 19th and 20th centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310B. Don Quijote.
A close reading of the classic Spanish novel Don Quijote by Miguel de Cervantes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310C. Poetry of Spain and Spanish America.
A focus on the genre of poetry through a close reading of a selection of classical and contemporary poets from Spain and Spanish America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310D. Hispanic Literature: Gabriel García Márquez.
A study of selected works of Nobel Prize author Gabriel García Márquez, focusing on literature, history, politics, and popular culture of Latin America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310E. Hispanic Literature: Hispanic Film.
A study of Hispanic cultural issues through film and additional readings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310F. Contemporary Mexican Narratives.
This course focuses on contemporary Mexican narratives. Students will study Mexico's literary trends such as La nueva narrativa, the Crack Generation, women's literature, and the new historic and testimonial fictions, in order to better understand the cultural process of the Mexico's society in the late 20th and early 21st centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5311. Studies in Medieval and Golden Age Spanish Peninsular Literature.
Selections of fiction, poetry, theatre, essay, and film of medieval and Golden Age Spain. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5312. Studies in Spanish Peninsular Literature from the Eighteenth Century to the Present.
Selections of fiction, poetry, theatre, essay, and film of Spain from the eighteenth century to the present. May be repeated once with different emphasis of additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5313. Studies in South American Literatures.
Selections of fiction, poetry, theatre, essay, and film of South America. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5314. Studies in Central American and Caribbean Literatures.
Selections of fiction, poetry, theatre, essay, and film of Central America and the Caribbean. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5315. Studies in Mexican and Mexican-American Literatures.
Selections of Mexican and Mexican-American fiction, poetry, theatre, essay, and film. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5316. Studies in Spanish Peninsular Culture.
Culture, history, and society in literature, film, art, music, folklore, and mass media of Spain. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5317. Studies in the Cultures of the Americas.
Culture, history, and society in literature, film, art, music, folklore, and mass media of the Americas. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPAN 5318. Advanced Composition and Grammar.
The study of grammar and writing through composition and analysis of ideas and texts. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5319. Synchronic Spanish Linguistics.
In this course students learn about Spanish dialectology, phonology, regional variation, migration impacts on language variety, issues of language maintenance and death, syntax, and current theories of language contact and koineization (i.e., the formation of new dialects). May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5320. Diachronic Spanish Linguistics.
Evaluation of aspects of history of the Spanish language including pronunciation, word formation, sentence structure, dialects, and relations to other languages. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5321. Spanish Applied Linguistics.
This course provides an overview of the major areas of applied linguistic research including: current theories in second language acquisition, teaching methodologies, bilingualism, performance, syntax, and computer assisted learning. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5322. Spanish for the Professions.
Topics vary and include the study of Spanish for business, law, medicine, criminal justice, and/or the social sciences. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5390. Studies in Spanish Culture, Language, or Literature.
Independent study under supervision of a graduate faculty member in Spanish, with in-depth readings and research on a specific topic. May be repeated once with different emphasis for additional credit. (MULT) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Spanish 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPAN 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5600. Internship and Foreign Study.
This course consists of an internship of at least four weeks duration in a foreign Spanish-speaking country. Interns will work with organizations that use Spanish in a professional context. Internships may be complemented by lectures, observations, interviews, or other activities relevant to the student's academic and professional interests. Prerequisites: Completion of 18 credit hours required for the Master of Arts with a major in Spanish. Graduate advisor approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPAN 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Spanish (33-hour Non-thesis Option)

Major Program

The master of arts (M.A.) program in Spanish is a dynamic academic unit that combines research and applied learning in order to advance knowledge of the Spanish language and the literature and cultures of the Hispanic world. Its objective is to empower individuals to be productive in a global society. At Texas State, the Spanish M.A. program provides students with the foundation they need to:

1. serve in a wide range of public and private sector professions requiring a high degree of proficiency in Spanish,
2. pursue doctoral studies, and
3. teach in institutions of higher learning.

The M.A. program is designed for students interested in advancing their skills and knowledge within the context of organized research in Spanish language, literature, and culture.

The M.A. program with minor allows students to advance their skills and knowledge within the context of organized research in Spanish language, literature, and culture and to develop a minor interest in a related area. Students may choose among minors in the humanities, social sciences, education, or other disciplines, or they may develop special emphases in literary periods or areas such as Latin American studies, Medieval/Renaissance studies, Chicano/Chicana literature, critical theory, humanities, linguistics, education, or women's studies.

Financial Assistance

Qualified graduate students in the M.A. program may apply for appointments as instructional assistants or teaching assistants. Application forms for instructional assistantships and teaching assistantships are available from the department administrative assistant. For information on other scholarship programs for graduate students, contact The Graduate College.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in 12 or more upper division undergraduate hours in Spanish, including six hours of Spanish literature
- GRE not required
- resume/CV including contact information for three references, at least two of whom should be professors familiar with the student's academic work
- statement of purpose written in Spanish explaining professional and personal interest in the M.A. in Spanish
- two letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Spanish requires 33 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
Choose 33 hours from the following:		33
SPAN 5310A	Voyages and Encounters in Spanish American Literature	
SPAN 5310B	Don Quijote	
SPAN 5310C	Poetry of Spain and Spanish America	
SPAN 5310D	Hispanic Literature: Gabriel García Márquez	
SPAN 5310E	Hispanic Literature: Hispanic Film	
SPAN 5311	Studies in Medieval and Golden Age Spanish Peninsular Literature	
SPAN 5312	Studies in Spanish Peninsular Literature from the Eighteenth Century to the Present	
SPAN 5313	Studies in South American Literatures	
SPAN 5314	Studies in Central American and Caribbean Literatures	
SPAN 5315	Studies in Mexican and Mexican-American Literatures	
SPAN 5316	Studies in Spanish Peninsular Culture	
SPAN 5317	Studies in the Cultures of the Americas	
SPAN 5318	Advanced Composition and Grammar	
SPAN 5319	Synchronic Spanish Linguistics	
SPAN 5320	Diachronic Spanish Linguistics	
SPAN 5321	Spanish Applied Linguistics	
SPAN 5322	Spanish for the Professions	
SPAN 5390	Studies in Spanish Culture, Language, or Literature	
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Modern Languages: SPAN

Courses Offered

Spanish (SPAN)

SPAN 5100. Practicum in Teaching Spanish.
Required as a condition of employment for graduate teaching and instructional assistants in their initial semester of employment. The course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SPAN 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5300. Foundation Studies in Spanish.
Course designed to develop knowledge and skills required for success in graduate-level studies in Spanish. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SPAN 5306. Studies in Spanish Peninsular Literature.
Selected works of Spanish literature which reflect lasting cultural values. a) Medieval and Golden Age: realism and idealism; b) Modern spanish thought: the individual in Spanish history and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

SPAN 5307. Studies in Spanish American Literature.
Selected works of Spanish literature which reflect lasting cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

SPAN 5308. Studies in Hispanic Culture.
Selected works of Spanish literature which reflect lasting cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPAN 5310A. Voyages and Encounters in Spanish American Literature.
Thorough analysis of historical and fictional voyages. The course will address how encounters with indigenous, ethnic minority, and foreign cultures have influenced the development of individual, national and regional identities in Spanish America. Readings will include accounts of the Conquest, colonial texts, and literature for the 19th and 20th centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310B. Don Quijote.
A close reading of the classic Spanish novel Don Quijote by Miguel de Cervantes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310C. Poetry of Spain and Spanish America.
A focus on the genre of poetry through a close reading of a selection of classical and contemporary poets from Spain and Spanish America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310D. Hispanic Literature: Gabriel García Márquez.
A study of selected works of Nobel Prize author Gabriel García Márquez, focusing on literature, history, politics, and popular culture of Latin America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310E. Hispanic Literature: Hispanic Film.
A study of Hispanic cultural issues through film and additional readings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310F. Contemporary Mexican Narratives.
This course focuses on contemporary Mexican narratives. Students will study Mexico's literary trends such as La nueva narrativa, the Crack Generation, women's literature, and the new historic and testimonial fictions, in order to better understand the cultural process of the Mexico's society in the late 20th and early 21st centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5311. Studies in Medieval and Golden Age Spanish Peninsular Literature.
Selections of fiction, poetry, theatre, essay, and film of medieval and Golden Age Spain. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5312. Studies in Spanish Peninsular Literature from the Eighteenth Century to the Present.
Selections of fiction, poetry, theatre, essay, and film of Spain from the eighteenth century to the present. May be repeated once with different emphasis of additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5313. Studies in South American Literatures.
Selections of fiction, poetry, theatre, essay, and film of South America. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5314. Studies in Central American and Caribbean Literatures.
Selections of fiction, poetry, theatre, essay, and film of Central America and the Caribbean. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5315. Studies in Mexican and Mexican-American Literatures.
Selections of Mexican and Mexican-American fiction, poetry, theatre, essay, and film. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5316. Studies in Spanish Peninsular Culture.
Culture, history, and society in literature, film, art, music, folklore, and mass media of Spain. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5317. Studies in the Cultures of the Americas.
Culture, history, and society in literature, film, art, music, folklore, and mass media of the Americas. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPAN 5318. Advanced Composition and Grammar.
The study of grammar and writing through composition and analysis of ideas and texts. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5319. Synchronic Spanish Linguistics.
In this course students learn about Spanish dialectology, phonology, regional variation, migration impacts on language variety, issues of language maintenance and death, syntax, and current theories of language contact and koineization (i.e., the formation of new dialects). May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5320. Diachronic Spanish Linguistics.
Evaluation of aspects of history of the Spanish language including pronunciation, word formation, sentence structure, dialects, and relations to other languages. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5321. Spanish Applied Linguistics.
This course provides an overview of the major areas of applied linguistic research including: current theories in second language acquisition, teaching methodologies, bilingualism, performance, syntax, and computer assisted learning. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5322. Spanish for the Professions.
Topics vary and include the study of Spanish for business, law, medicine, criminal justice, and/or the social sciences. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5390. Studies in Spanish Culture, Language, or Literature.
Independent study under supervision of a graduate faculty member in Spanish, with in-depth readings and research on a specific topic. May be repeated once with different emphasis for additional credit. (MULT) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Spanish 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPAN 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5600. Internship and Foreign Study.
This course consists of an internship of at least four weeks duration in a foreign Spanish-speaking country. Interns will work with organizations that use Spanish in a professional context. Internships may be complemented by lectures, observations, interviews, or other activities relevant to the student's academic and professional interests. Prerequisites: Completion of 18 credit hours required for the Master of Arts with a major in Spanish. Graduate advisor approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPAN 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Spanish (33-hour Thesis Option)

Major Program

The master of arts (M.A.) program in Spanish is a dynamic academic unit that combines research and applied learning in order to advance knowledge of the Spanish language and the literature and cultures of the Hispanic world. Its objective is to empower individuals to be productive in a global society. At Texas State, the Spanish M.A. program provides students with the foundation they need to:

1. serve in a wide range of public and private sector professions requiring a high degree of proficiency in Spanish,
2. pursue doctoral studies, and
3. teach in institutions of higher learning.

The M.A. program is designed for students interested in advancing their skills and knowledge within the context of organized research in Spanish language, literature, and culture.

The M.A. program with minor allows students to advance their skills and knowledge within the context of organized research in Spanish language, literature, and culture and to develop a minor interest in a related area. Students may choose among minors in the humanities, social sciences, education, or other disciplines, or they may develop special emphases in literary periods or areas such as Latin American studies, Medieval/Renaissance studies, Chicano/Chicana literature, critical theory, humanities, linguistics, education, or women's studies.

Financial Assistance

Qualified graduate students in the M.A. program may apply for appointments as instructional assistants or teaching assistants. Application forms for instructional assistantships and teaching assistantships are available from the department administrative assistant. For information on other scholarship programs for graduate students, contact The Graduate College.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in 12 or more upper division undergraduate hours in Spanish, including six hours of Spanish literature
- GRE not required
- resume/CV including contact information for three references, at least two of whom should be professors familiar with the student's academic work
- statement of purpose written in Spanish explaining professional and personal interest in the M.A. in Spanish
- two letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Spanish requires 33 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
Choose 27 hours from the following:		27
SPAN 5310A	Voyages and Encounters in Spanish American Literature	
SPAN 5310B	Don Quijote	
SPAN 5310C	Poetry of Spain and Spanish America	
SPAN 5310D	Hispanic Literature: Gabriel García Márquez	
SPAN 5310E	Hispanic Literature: Hispanic Film	
SPAN 5311	Studies in Medieval and Golden Age Spanish Peninsular Literature	
SPAN 5312	Studies in Spanish Peninsular Literature from the Eighteenth Century to the Present	
SPAN 5313	Studies in South American Literatures	
SPAN 5314	Studies in Central American and Caribbean Literatures	
SPAN 5315	Studies in Mexican and Mexican-American Literatures	
SPAN 5316	Studies in Spanish Peninsular Culture	
SPAN 5317	Studies in the Cultures of the Americas	
SPAN 5318	Advanced Composition and Grammar	
SPAN 5319	Synchronic Spanish Linguistics	
SPAN 5320	Diachronic Spanish Linguistics	
SPAN 5321	Spanish Applied Linguistics	
SPAN 5322	Spanish for the Professions	
SPAN 5390	Studies in Spanish Culture, Language, or Literature	
Thesis		
SPAN 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
SPAN 5199B	Thesis	
SPAN 5299B	Thesis	
SPAN 5399B	Thesis	
SPAN 5599B	Thesis	
SPAN 5999B	Thesis	
Total Hours		33

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Modern Languages: SPAN

Courses Offered

Spanish (SPAN)

SPAN 5100. Practicum in Teaching Spanish.
Required as a condition of employment for graduate teaching and instructional assistants in their initial semester of employment. The course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SPAN 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5300. Foundation Studies in Spanish.
Course designed to develop knowledge and skills required for success in graduate-level studies in Spanish. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SPAN 5306. Studies in Spanish Peninsular Literature.
Selected works of Spanish literature which reflect lasting cultural values. a) Medieval and Golden Age: realism and idealism; b) Modern spanish thought: the individual in Spanish history and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

SPAN 5307. Studies in Spanish American Literature.
Selected works of Spanish literature which reflect lasting cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

SPAN 5308. Studies in Hispanic Culture.
Selected works of Spanish literature which reflect lasting cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPAN 5310A. Voyages and Encounters in Spanish American Literature.
Thorough analysis of historical and fictional voyages. The course will address how encounters with indigenous, ethnic minority, and foreign cultures have influenced the development of individual, national and regional identities in Spanish America. Readings will include accounts of the Conquest, colonial texts, and literature for the 19th and 20th centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310B. Don Quijote.
A close reading of the classic Spanish novel Don Quijote by Miguel de Cervantes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310C. Poetry of Spain and Spanish America.
A focus on the genre of poetry through a close reading of a selection of classical and contemporary poets from Spain and Spanish America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310D. Hispanic Literature: Gabriel García Márquez.
A study of selected works of Nobel Prize author Gabriel García Márquez, focusing on literature, history, politics, and popular culture of Latin America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310E. Hispanic Literature: Hispanic Film.
A study of Hispanic cultural issues through film and additional readings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310F. Contemporary Mexican Narratives.
This course focuses on contemporary Mexican narratives. Students will study Mexico's literary trends such as La nueva narrativa, the Crack Generation, women's literature, and the new historic and testimonial fictions, in order to better understand the cultural process of the Mexico's society in the late 20th and early 21st centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5311. Studies in Medieval and Golden Age Spanish Peninsular Literature.
Selections of fiction, poetry, theatre, essay, and film of medieval and Golden Age Spain. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5312. Studies in Spanish Peninsular Literature from the Eighteenth Century to the Present.
Selections of fiction, poetry, theatre, essay, and film of Spain from the eighteenth century to the present. May be repeated once with different emphasis of additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5313. Studies in South American Literatures.
Selections of fiction, poetry, theatre, essay, and film of South America. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5314. Studies in Central American and Caribbean Literatures.
Selections of fiction, poetry, theatre, essay, and film of Central America and the Caribbean. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5315. Studies in Mexican and Mexican-American Literatures.
Selections of Mexican and Mexican-American fiction, poetry, theatre, essay, and film. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5316. Studies in Spanish Peninsular Culture.
Culture, history, and society in literature, film, art, music, folklore, and mass media of Spain. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5317. Studies in the Cultures of the Americas.
Culture, history, and society in literature, film, art, music, folklore, and mass media of the Americas. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPAN 5318. Advanced Composition and Grammar.
The study of grammar and writing through composition and analysis of ideas and texts. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5319. Synchronic Spanish Linguistics.
In this course students learn about Spanish dialectology, phonology, regional variation, migration impacts on language variety, issues of language maintenance and death, syntax, and current theories of language contact and koineization (i.e., the formation of new dialects). May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5320. Diachronic Spanish Linguistics.
Evaluation of aspects of history of the Spanish language including pronunciation, word formation, sentence structure, dialects, and relations to other languages. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5321. Spanish Applied Linguistics.
This course provides an overview of the major areas of applied linguistic research including: current theories in second language acquisition, teaching methodologies, bilingualism, performance, syntax, and computer assisted learning. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5322. Spanish for the Professions.
Topics vary and include the study of Spanish for business, law, medicine, criminal justice, and/or the social sciences. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5390. Studies in Spanish Culture, Language, or Literature.
Independent study under supervision of a graduate faculty member in Spanish, with in-depth readings and research on a specific topic. May be repeated once with different emphasis for additional credit. (MULT) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Spanish 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPAN 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5600. Internship and Foreign Study.
This course consists of an internship of at least four weeks duration in a foreign Spanish-speaking country. Interns will work with organizations that use Spanish in a professional context. Internships may be complemented by lectures, observations, interviews, or other activities relevant to the student's academic and professional interests. Prerequisites: Completion of 18 credit hours required for the Master of Arts with a major in Spanish. Graduate advisor approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPAN 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Spanish (36-hour Non-thesis Internship Minor Option)

Major Program

The master of arts (M.A.) program in Spanish is a dynamic academic unit that combines research and applied learning in order to advance knowledge of the Spanish language and the literature and cultures of the Hispanic world. Its objective is to empower individuals to be productive in a global society. At Texas State, the Spanish M.A. program provides students with the foundation they need to:

1. serve in a wide range of public and private sector professions requiring a high degree of proficiency in Spanish,
2. pursue doctoral studies, and
3. teach in institutions of higher learning.

The M.A. program is designed for students interested in advancing their skills and knowledge within the context of organized research in Spanish language, literature, and culture.

The M.A. program with minor allows students to advance their skills and knowledge within the context of organized research in Spanish language, literature, and culture and to develop a minor interest in a related area. Students may choose among minors in the humanities, social sciences, education, or other disciplines, or they may develop special emphases in literary periods or areas such as Latin American studies, Medieval/Renaissance studies, Chicano/Chicana literature, critical theory, humanities, linguistics, education, or women's studies.

Financial Assistance

Qualified graduate students in the M.A. program may apply for appointments as instructional assistants or teaching assistants. Application forms for instructional assistantships and teaching assistantships are available from the department administrative assistant. For information on other scholarship programs for graduate students, contact The Graduate College.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in 12 or more upper division undergraduate hours in Spanish, including six hours of Spanish literature
- GRE not required
- resume/CV including contact information for three references, at least two of whom should be professors familiar with the student's academic work
- statement of purpose written in Spanish explaining professional and personal interest in the M.A. in Spanish
- two letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) major in Spanish requires 36 semester credit hours, including an internship and a minor. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
Choose 24 hours from the following:		24
SPAN 5310A	Voyages and Encounters in Spanish American Literature	
SPAN 5310B	Don Quijote	
SPAN 5310C	Poetry of Spain and Spanish America	
SPAN 5310D	Hispanic Literature: Gabriel García Márquez	
SPAN 5310E	Hispanic Literature: Hispanic Film	
SPAN 5311	Studies in Medieval and Golden Age Spanish Peninsular Literature	
SPAN 5312	Studies in Spanish Peninsular Literature from the Eighteenth Century to the Present	
SPAN 5313	Studies in South American Literatures	
SPAN 5314	Studies in Central American and Caribbean Literatures	
SPAN 5315	Studies in Mexican and Mexican-American Literatures	
SPAN 5316	Studies in Spanish Peninsular Culture	
SPAN 5317	Studies in the Cultures of the Americas	
SPAN 5318	Advanced Composition and Grammar	
SPAN 5319	Synchronic Spanish Linguistics	
SPAN 5320	Diachronic Spanish Linguistics	
SPAN 5321	Spanish Applied Linguistics	
SPAN 5322	Spanish for the Professions	
SPAN 5390	Studies in Spanish Culture, Language, or Literature	
Internship		
SPAN 5600	Internship and Foreign Study	6
Minor		
Choose a 6-hour advisor-approved minor		6
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Modern Languages: SPAN

Courses Offered

Spanish (SPAN)

SPAN 5100. Practicum in Teaching Spanish.
Required as a condition of employment for graduate teaching and instructional assistants in their initial semester of employment. The course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SPAN 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5300. Foundation Studies in Spanish.
Course designed to develop knowledge and skills required for success in graduate-level studies in Spanish. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SPAN 5306. Studies in Spanish Peninsular Literature.
Selected works of Spanish literature which reflect lasting cultural values. a) Medieval and Golden Age: realism and idealism; b) Modern spanish thought: the individual in Spanish history and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

SPAN 5307. Studies in Spanish American Literature.
Selected works of Spanish literature which reflect lasting cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

SPAN 5308. Studies in Hispanic Culture.
Selected works of Spanish literature which reflect lasting cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPAN 5310A. Voyages and Encounters in Spanish American Literature.
Thorough analysis of historical and fictional voyages. The course will address how encounters with indigenous, ethnic minority, and foreign cultures have influenced the development of individual, national and regional identities in Spanish America. Readings will include accounts of the Conquest, colonial texts, and literature for the 19th and 20th centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310B. Don Quijote.
A close reading of the classic Spanish novel Don Quijote by Miguel de Cervantes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310C. Poetry of Spain and Spanish America.
A focus on the genre of poetry through a close reading of a selection of classical and contemporary poets from Spain and Spanish America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310D. Hispanic Literature: Gabriel García Márquez.
A study of selected works of Nobel Prize author Gabriel García Márquez, focusing on literature, history, politics, and popular culture of Latin America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310E. Hispanic Literature: Hispanic Film.
A study of Hispanic cultural issues through film and additional readings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310F. Contemporary Mexican Narratives.
This course focuses on contemporary Mexican narratives. Students will study Mexico's literary trends such as La nueva narrativa, the Crack Generation, women's literature, and the new historic and testimonial fictions, in order to better understand the cultural process of the Mexico's society in the late 20th and early 21st centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5311. Studies in Medieval and Golden Age Spanish Peninsular Literature.
Selections of fiction, poetry, theatre, essay, and film of medieval and Golden Age Spain. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5312. Studies in Spanish Peninsular Literature from the Eighteenth Century to the Present.
Selections of fiction, poetry, theatre, essay, and film of Spain from the eighteenth century to the present. May be repeated once with different emphasis of additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5313. Studies in South American Literatures.
Selections of fiction, poetry, theatre, essay, and film of South America. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5314. Studies in Central American and Caribbean Literatures.
Selections of fiction, poetry, theatre, essay, and film of Central America and the Caribbean. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5315. Studies in Mexican and Mexican-American Literatures.
Selections of Mexican and Mexican-American fiction, poetry, theatre, essay, and film. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5316. Studies in Spanish Peninsular Culture.
Culture, history, and society in literature, film, art, music, folklore, and mass media of Spain. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5317. Studies in the Cultures of the Americas.
Culture, history, and society in literature, film, art, music, folklore, and mass media of the Americas. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPAN 5318. Advanced Composition and Grammar.
The study of grammar and writing through composition and analysis of ideas and texts. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5319. Synchronic Spanish Linguistics.
In this course students learn about Spanish dialectology, phonology, regional variation, migration impacts on language variety, issues of language maintenance and death, syntax, and current theories of language contact and koineization (i.e., the formation of new dialects). May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5320. Diachronic Spanish Linguistics.
Evaluation of aspects of history of the Spanish language including pronunciation, word formation, sentence structure, dialects, and relations to other languages. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5321. Spanish Applied Linguistics.
This course provides an overview of the major areas of applied linguistic research including: current theories in second language acquisition, teaching methodologies, bilingualism, performance, syntax, and computer assisted learning. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5322. Spanish for the Professions.
Topics vary and include the study of Spanish for business, law, medicine, criminal justice, and/or the social sciences. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5390. Studies in Spanish Culture, Language, or Literature.
Independent study under supervision of a graduate faculty member in Spanish, with in-depth readings and research on a specific topic. May be repeated once with different emphasis for additional credit. (MULT) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Spanish 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPAN 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5600. Internship and Foreign Study.
This course consists of an internship of at least four weeks duration in a foreign Spanish-speaking country. Interns will work with organizations that use Spanish in a professional context. Internships may be complemented by lectures, observations, interviews, or other activities relevant to the student's academic and professional interests. Prerequisites: Completion of 18 credit hours required for the Master of Arts with a major in Spanish. Graduate advisor approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPAN 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Spanish (36-hour Non-thesis Minor and additional Spanish Hours Option)

Major Program

The master of arts (M.A.) program in Spanish is a dynamic academic unit that combines research and applied learning in order to advance knowledge of the Spanish language and the literature and cultures of the Hispanic world. Its objective is to empower individuals to be productive in a global society. At Texas State, the Spanish M.A. program provides students with the foundation they need to:

1. serve in a wide range of public and private sector professions requiring a high degree of proficiency in Spanish,
2. pursue doctoral studies, and
3. teach in institutions of higher learning.

The M.A. program is designed for students interested in advancing their skills and knowledge within the context of organized research in Spanish language, literature, and culture.

The M.A. program with minor allows students to advance their skills and knowledge within the context of organized research in Spanish language, literature, and culture and to develop a minor interest in a related area. Students may choose among minors in the humanities, social sciences, education, or other disciplines, or they may develop special emphases in literary periods or areas such as Latin American studies, Medieval/Renaissance studies, Chicano/Chicana literature, critical theory, humanities, linguistics, education, or women's studies.

Financial Assistance

Qualified graduate students in the M.A. program may apply for appointments as instructional assistants or teaching assistants. Application forms for instructional assistantships and teaching assistantships are available from the department administrative assistant. For information on other scholarship programs for graduate students, contact The Graduate College.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in 12 or more upper division undergraduate hours in Spanish, including six hours of Spanish literature
- GRE not required
- resume/CV including contact information for three references, at least two of whom should be professors familiar with the student's academic work
- statement of purpose written in Spanish explaining professional and personal interest in the M.A. in Spanish
- two letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) major in Spanish requires 36 semester credit hours, including a minor. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
Choose 30 hours from the following:		30
SPAN 5310A	Voyages and Encounters in Spanish American Literature	
SPAN 5310B	Don Quijote	
SPAN 5310C	Poetry of Spain and Spanish America	
SPAN 5310D	Hispanic Literature: Gabriel García Márquez	
SPAN 5310E	Hispanic Literature: Hispanic Film	
SPAN 5311	Studies in Medieval and Golden Age Spanish Peninsular Literature	
SPAN 5312	Studies in Spanish Peninsular Literature from the Eighteenth Century to the Present	
SPAN 5313	Studies in South American Literatures	
SPAN 5314	Studies in Central American and Caribbean Literatures	
SPAN 5315	Studies in Mexican and Mexican-American Literatures	
SPAN 5316	Studies in Spanish Peninsular Culture	
SPAN 5317	Studies in the Cultures of the Americas	
SPAN 5318	Advanced Composition and Grammar	
SPAN 5319	Synchronic Spanish Linguistics	
SPAN 5320	Diachronic Spanish Linguistics	
SPAN 5321	Spanish Applied Linguistics	
SPAN 5322	Spanish for the Professions	
SPAN 5390	Studies in Spanish Culture, Language, or Literature	
Minor		
Choose a 6-hour advisor-approved minor		6
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Modern Languages: SPAN

Courses Offered

Spanish (SPAN)

SPAN 5100. Practicum in Teaching Spanish.
Required as a condition of employment for graduate teaching and instructional assistants in their initial semester of employment. The course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SPAN 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5300. Foundation Studies in Spanish.
Course designed to develop knowledge and skills required for success in graduate-level studies in Spanish. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SPAN 5306. Studies in Spanish Peninsular Literature.
Selected works of Spanish literature which reflect lasting cultural values. a) Medieval and Golden Age: realism and idealism; b) Modern spanish thought: the individual in Spanish history and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

SPAN 5307. Studies in Spanish American Literature.
Selected works of Spanish literature which reflect lasting cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

SPAN 5308. Studies in Hispanic Culture.
Selected works of Spanish literature which reflect lasting cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPAN 5310A. Voyages and Encounters in Spanish American Literature.
Thorough analysis of historical and fictional voyages. The course will address how encounters with indigenous, ethnic minority, and foreign cultures have influenced the development of individual, national and regional identities in Spanish America. Readings will include accounts of the Conquest, colonial texts, and literature for the 19th and 20th centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310B. Don Quijote.
A close reading of the classic Spanish novel Don Quijote by Miguel de Cervantes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310C. Poetry of Spain and Spanish America.
A focus on the genre of poetry through a close reading of a selection of classical and contemporary poets from Spain and Spanish America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310D. Hispanic Literature: Gabriel García Márquez.
A study of selected works of Nobel Prize author Gabriel García Márquez, focusing on literature, history, politics, and popular culture of Latin America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310E. Hispanic Literature: Hispanic Film.
A study of Hispanic cultural issues through film and additional readings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310F. Contemporary Mexican Narratives.
This course focuses on contemporary Mexican narratives. Students will study Mexico's literary trends such as La nueva narrativa, the Crack Generation, women's literature, and the new historic and testimonial fictions, in order to better understand the cultural process of the Mexico's society in the late 20th and early 21st centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5311. Studies in Medieval and Golden Age Spanish Peninsular Literature.
Selections of fiction, poetry, theatre, essay, and film of medieval and Golden Age Spain. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5312. Studies in Spanish Peninsular Literature from the Eighteenth Century to the Present.
Selections of fiction, poetry, theatre, essay, and film of Spain from the eighteenth century to the present. May be repeated once with different emphasis of additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5313. Studies in South American Literatures.
Selections of fiction, poetry, theatre, essay, and film of South America. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5314. Studies in Central American and Caribbean Literatures.
Selections of fiction, poetry, theatre, essay, and film of Central America and the Caribbean. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5315. Studies in Mexican and Mexican-American Literatures.
Selections of Mexican and Mexican-American fiction, poetry, theatre, essay, and film. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5316. Studies in Spanish Peninsular Culture.
Culture, history, and society in literature, film, art, music, folklore, and mass media of Spain. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5317. Studies in the Cultures of the Americas.
Culture, history, and society in literature, film, art, music, folklore, and mass media of the Americas. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPAN 5318. Advanced Composition and Grammar.
The study of grammar and writing through composition and analysis of ideas and texts. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5319. Synchronic Spanish Linguistics.
In this course students learn about Spanish dialectology, phonology, regional variation, migration impacts on language variety, issues of language maintenance and death, syntax, and current theories of language contact and koineization (i.e., the formation of new dialects). May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5320. Diachronic Spanish Linguistics.
Evaluation of aspects of history of the Spanish language including pronunciation, word formation, sentence structure, dialects, and relations to other languages. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5321. Spanish Applied Linguistics.
This course provides an overview of the major areas of applied linguistic research including: current theories in second language acquisition, teaching methodologies, bilingualism, performance, syntax, and computer assisted learning. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5322. Spanish for the Professions.
Topics vary and include the study of Spanish for business, law, medicine, criminal justice, and/or the social sciences. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5390. Studies in Spanish Culture, Language, or Literature.
Independent study under supervision of a graduate faculty member in Spanish, with in-depth readings and research on a specific topic. May be repeated once with different emphasis for additional credit. (MULT) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Spanish 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPAN 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5600. Internship and Foreign Study.
This course consists of an internship of at least four weeks duration in a foreign Spanish-speaking country. Interns will work with organizations that use Spanish in a professional context. Internships may be complemented by lectures, observations, interviews, or other activities relevant to the student's academic and professional interests. Prerequisites: Completion of 18 credit hours required for the Master of Arts with a major in Spanish. Graduate advisor approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPAN 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Spanish (36-hour Thesis Minor Option)

Major Program

The master of arts (M.A.) program in Spanish is a dynamic academic unit that combines research and applied learning in order to advance knowledge of the Spanish language and the literature and cultures of the Hispanic world. Its objective is to empower individuals to be productive in a global society. At Texas State, the Spanish M.A. program provides students with the foundation they need to:

1. serve in a wide range of public and private sector professions requiring a high degree of proficiency in Spanish,
2. pursue doctoral studies, and
3. teach in institutions of higher learning.

The M.A. program is designed for students interested in advancing their skills and knowledge within the context of organized research in Spanish language, literature, and culture.

The M.A. program with minor allows students to advance their skills and knowledge within the context of organized research in Spanish language, literature, and culture and to develop a minor interest in a related area. Students may choose among minors in the humanities, social sciences, education, or other disciplines, or they may develop special emphases in literary periods or areas such as Latin American studies, Medieval/Renaissance studies, Chicano/Chicana literature, critical theory, humanities, linguistics, education, or women's studies.

Financial Assistance

Qualified graduate students in the M.A. program may apply for appointments as instructional assistants or teaching assistants. Application forms for instructional assistantships and teaching assistantships are available from the department administrative assistant. For information on other scholarship programs for graduate students, contact The Graduate College.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in 12 or more upper division undergraduate hours in Spanish, including six hours of Spanish literature
- GRE not required
- resume/CV including contact information for three references, at least two of whom should be professors familiar with the student's academic work
- statement of purpose written in Spanish explaining professional and personal interest in the M.A. in Spanish
- two letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) major in Spanish requires 36 semester credit hours, including a minor and a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
Choose 24 hours from the following:		24
SPAN 5310A	Voyages and Encounters in Spanish American Literature	
SPAN 5310B	Don Quijote	
SPAN 5310C	Poetry of Spain and Spanish America	
SPAN 5310D	Hispanic Literature: Gabriel García Márquez	
SPAN 5310E	Hispanic Literature: Hispanic Film	
SPAN 5311	Studies in Medieval and Golden Age Spanish Peninsular Literature	
SPAN 5312	Studies in Spanish Peninsular Literature from the Eighteenth Century to the Present	
SPAN 5313	Studies in South American Literatures	
SPAN 5314	Studies in Central American and Caribbean Literatures	
SPAN 5315	Studies in Mexican and Mexican-American Literatures	
SPAN 5316	Studies in Spanish Peninsular Culture	
SPAN 5317	Studies in the Cultures of the Americas	
SPAN 5318	Advanced Composition and Grammar	
SPAN 5319	Synchronic Spanish Linguistics	
SPAN 5320	Diachronic Spanish Linguistics	
SPAN 5321	Spanish Applied Linguistics	
SPAN 5322	Spanish for the Professions	
SPAN 5390	Studies in Spanish Culture, Language, or Literature	
Thesis		
SPAN 5399A	Thesis	3
Choose a of 3 hours from the following:		3
SPAN 5199B	Thesis	
SPAN 5299B	Thesis	
SPAN 5399B	Thesis	
SPAN 5599B	Thesis	
SPAN 5999B	Thesis	
Minor		
Choose a 6-hour advisor-approved minor		6
Total Hours		36

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being

made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Modern Languages: SPAN

Courses Offered

Spanish (SPAN)

SPAN 5100. Practicum in Teaching Spanish.
Required as a condition of employment for graduate teaching and instructional assistants in their initial semester of employment. The course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SPAN 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5300. Foundation Studies in Spanish.
Course designed to develop knowledge and skills required for success in graduate-level studies in Spanish. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SPAN 5306. Studies in Spanish Peninsular Literature.
Selected works of Spanish literature which reflect lasting cultural values. a) Medieval and Golden Age: realism and idealism; b) Modern spanish thought: the individual in Spanish history and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

SPAN 5307. Studies in Spanish American Literature.
Selected works of Spanish literature which reflect lasting cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

SPAN 5308. Studies in Hispanic Culture.
Selected works of Spanish literature which reflect lasting cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPAN 5310A. Voyages and Encounters in Spanish American Literature.
Thorough analysis of historical and fictional voyages. The course will address how encounters with indigenous, ethnic minority, and foreign cultures have influenced the development of individual, national and regional identities in Spanish America. Readings will include accounts of the Conquest, colonial texts, and literature for the 19th and 20th centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310B. Don Quijote.
A close reading of the classic Spanish novel Don Quijote by Miguel de Cervantes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310C. Poetry of Spain and Spanish America.
A focus on the genre of poetry through a close reading of a selection of classical and contemporary poets from Spain and Spanish America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310D. Hispanic Literature: Gabriel García Márquez.
A study of selected works of Nobel Prize author Gabriel García Márquez, focusing on literature, history, politics, and popular culture of Latin America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310E. Hispanic Literature: Hispanic Film.
A study of Hispanic cultural issues through film and additional readings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310F. Contemporary Mexican Narratives.
This course focuses on contemporary Mexican narratives. Students will study Mexico's literary trends such as La nueva narrativa, the Crack Generation, women's literature, and the new historic and testimonial fictions, in order to better understand the cultural process of the Mexico's society in the late 20th and early 21st centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5311. Studies in Medieval and Golden Age Spanish Peninsular Literature.
Selections of fiction, poetry, theatre, essay, and film of medieval and Golden Age Spain. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5312. Studies in Spanish Peninsular Literature from the Eighteenth Century to the Present.
Selections of fiction, poetry, theatre, essay, and film of Spain from the eighteenth century to the present. May be repeated once with different emphasis of additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5313. Studies in South American Literatures.
Selections of fiction, poetry, theatre, essay, and film of South America. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5314. Studies in Central American and Caribbean Literatures.
Selections of fiction, poetry, theatre, essay, and film of Central America and the Caribbean. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5315. Studies in Mexican and Mexican-American Literatures.
Selections of Mexican and Mexican-American fiction, poetry, theatre, essay, and film. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5316. Studies in Spanish Peninsular Culture.
Culture, history, and society in literature, film, art, music, folklore, and mass media of Spain. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5317. Studies in the Cultures of the Americas.
Culture, history, and society in literature, film, art, music, folklore, and mass media of the Americas. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPAN 5318. Advanced Composition and Grammar.
The study of grammar and writing through composition and analysis of ideas and texts. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5319. Synchronic Spanish Linguistics.
In this course students learn about Spanish dialectology, phonology, regional variation, migration impacts on language variety, issues of language maintenance and death, syntax, and current theories of language contact and koineization (i.e., the formation of new dialects). May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5320. Diachronic Spanish Linguistics.
Evaluation of aspects of history of the Spanish language including pronunciation, word formation, sentence structure, dialects, and relations to other languages. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5321. Spanish Applied Linguistics.
This course provides an overview of the major areas of applied linguistic research including: current theories in second language acquisition, teaching methodologies, bilingualism, performance, syntax, and computer assisted learning. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5322. Spanish for the Professions.
Topics vary and include the study of Spanish for business, law, medicine, criminal justice, and/or the social sciences. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5390. Studies in Spanish Culture, Language, or Literature.
Independent study under supervision of a graduate faculty member in Spanish, with in-depth readings and research on a specific topic. May be repeated once with different emphasis for additional credit. (MULT) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Spanish 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPAN 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5600. Internship and Foreign Study.
This course consists of an internship of at least four weeks duration in a foreign Spanish-speaking country. Interns will work with organizations that use Spanish in a professional context. Internships may be complemented by lectures, observations, interviews, or other activities relevant to the student's academic and professional interests. Prerequisites: Completion of 18 credit hours required for the Master of Arts with a major in Spanish. Graduate advisor approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPAN 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Minor in Spanish

The graduate minor in Spanish requires 6 semester credit hours of advisor-approved courses. Students with majors other than Spanish may select Spanish as a minor. Students should have completed at least nine hours of advanced undergraduate Spanish with a GPA of 2.75 or higher (4.0 scale).

College of Science and Engineering

Dean
Christine E. Hailey, Ph.D.
Centennial Hall Room 201
Telephone: 512.245.2119 Fax: 512.245.8095
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Associate Dean
Chad Booth, Ph.D.
Associate Dean

Paula Williamson, Ph.D.
Associate Dean
Thomas H Myers II, Ph.D

Assistant Dean
Gregory B. Passty, Ph.D.

Department Chairs/School Directors
Biology–Dittmar Hahn, Ph.D.
Chemistry and Biochemistry–William J. Brittain, Ph.D.
Computer Science–Hongchi Shi, Ph.D.
Engineering–Chad Booth, Ph.D., Interim
Engineering Technology–James Wilde, Ph.D.
Mathematics–Susan Morey, Ph.D.
Physics–Mark W. Holtz, Ph.D.

Doctor of Philosophy (Ph.D.)

- Major in Materials Science, Engineering, and Commercialization (p. 2287)

Doctor of Philosophy (Ph.D.) Major in Materials Science, Engineering, and Commercialization

The College of Science and Engineering at Texas State offers a cutting-edge interdisciplinary materials science, engineering, and commercialization Ph.D. program. Students work with faculty in Biology, Chemistry & Biochemistry, Engineering, Engineering Technology, and Physics on the research, development, and validation of materials to be used in the next generation of electronics, medicines, plastics, sensors, infrastructure, and renewable energy. Coupling commercialization with science and engineering, the curriculum infuses an understanding of intellectual property law, skills in business planning, competency in transforming innovations from the lab to commercial production, and the ability to organize and lead interdisciplinary research teams. Our goal is to educate the next generation of scientists and engineers who will perform interdisciplinary research and will emerge as effective entrepreneurial leaders in the advancement of high tech 21st century global discovery and innovation.

Students are classified as either full-time (minimum of nine hours per term) or part-time. All students are required to initiate, complete, present, and publish original research.

Each student develops an appropriate degree plan to meet their career and academic goals. The degree plan will include a mix of theoretical, analytical, and elective courses that will prepare students to work independently and in multidisciplinary teams.

Educational Goal

The central educational goal of the Ph.D. program in materials science, engineering, and commercialization at Texas State is to prepare doctoral students with

- technical skills necessary to conduct high quality research,
- an orientation toward interdisciplinary research,
- a set of business tools and knowledge of business practice, and
- technical project and business management skills.

Graduates from the program will be equipped with:

- Technical skills to conduct high quality research. The program is designed to have students plan and carry out cutting edge research in materials science and engineering that demonstrates the ability to think through complex problems and arrive at solutions. This goal is supported by a rigorous set of technically oriented course work that will equip students with the fundamental science and engineering knowledge necessary to conduct research. The student will also, in consultation with his research advisor and dissertation committee, formulate a research project and produce a proposal for carrying out the research.
- The ability to conduct research across scientific and engineering disciplines. Breakthroughs occur when scientists from a variety of disciplines either individually or collaboratively work on important interdisciplinary and multidisciplinary problems. Therefore, we need a new generation of scientists with both rigorous disciplinary training and the ability to communicate and work easily across disciplines. .
- A set of business tools and knowledge of business practice. Equipping our graduates with the business skills necessary to become entrepreneurs or leaders in industry is a central goal of the program. This educational goal is supported by the core courses in practical and leadership skills in commercialization and entrepreneurship and other elements dispersed throughout the program. These elements include a one-week intensive workshop to be completed in the summer prior to beginning the program. This introductory bootcamp outlines basic aspects of business and commercialization, and equips students with a common language and basic toolkit. A second one-week entrepreneur boot camp is required after the student's first year in the program. In addition, two of the candidacy requirements solidify business skills. The student will produce, present, and defend a full business plan for a start-up company. Students write a Small Business Innovation Research/ Small Business Technology Transfer Research (SBIR/STTR) proposal. If appropriate, students are provided the opportunity to work with a small business on the proposal, and to submit the final document to a funding agency. Students are further encouraged to submit their business plan to the Texas State Business Plan Competition in an oral presentation before a panel of angel investors, venture capitalists and business owners. In addition, the weekly Commercialization Forum exposes students to successful entrepreneurs and business leaders. This Commercialization Forum is also the venue for oral defense of the student business plans. These requirements ensure that students have developed the business skills necessary to succeed.
- Technical project and business management skills. The ability to manage complex technical projects and businesses is an additional skill that is core to this program. This goal is certainly supported by the core courses. In addition the Commercialization Forum regularly exposes the students to examples of good project management and cases of what not to do in managing projects or businesses. The ability of the students to manage projects is assessed based on how they manage the business plan, SBIR/STTR proposal, and the implementation of the proposed research plan.

Financial Assistance

Assistantships and scholarships are available to qualified applicants. Doctoral instructional assistantships and teaching assistantships are offered on a competitive basis to full-time students enrolled in the materials science, engineering, and commercialization Ph.D. program. An offer of financial support will normally be made at the time that a student

is accepted into the program. The Graduate College can provide further information regarding scholarships.

Advising

Each student will develop a degree plan, in consultation initially with the doctoral program director and after selection, their Ph.D. advisor and committee, who identifies the appropriate doctoral prescribed electives necessary for achieving the degree. Students must complete 37 credits prior to taking a three-part Advancement to Candidacy Comprehensive Examination. The exam will consist of the following parts: SBIR/STTR Grant Proposal, Business Plan, and Oral Examination.

Each Ph.D. student is issued a preliminary degree audit by The Graduate College which should be used to plan the student's course of study. In the first term of enrollment, students should review the degree audit in consultation with their supervising professor and the program director.

With admission into the doctoral program, **it is expected that students will pursue their course work and research activities in an efficient and timely manner**. If it is determined that a student is not making adequate progress toward completion of the doctoral degree requirements, consultations will be undertaken between the student, their Ph.D. advisor and the program director to develop a remediation plan to revise the student's program of study or research. Failure to successfully remedy documented deficiencies will result in termination of the student's enrollment in the doctoral program at the discretion of the program director. Students removed from the doctoral program in this manner may appeal to the dean of The Graduate College for reinstatement in the program within one academic year.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree in biology, chemistry, engineering, materials science, physics, technology, or a closely related field from a regionally accredited university*
- official transcripts from **each institution** where course credit was granted
- minimum 3.5 GPA (on a 4.0 scale) in all completed graduate course work
- GRE not required unless student's master's degree was earned from an institution outside the U.S.*
- interviews (conducted via phone, internet, or face-to-face) with core doctoral faculty
- resume/CV
- statement of purpose outlining the student's personal history and life goals that are relevant to obtaining a doctoral degree, and, in particular, the rationale for pursuing the commercialization aspect of the MSEC program
- three letters of recommendation evaluating the student's skill and potential to be successful in the MSEC Ph.D. program

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

*Additional Information

Degree and GRE Requirement
If the master's degree was earned from an institution outside the U.S., the student must submit the following:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Materials Science, Engineering, and Commercialization requires 55 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling or prerequisite courses. Any required leveling course work must be completed with grades of B or better prior to admission.

Course Requirements

Code	Title	Hours
Required Courses		
MSEC 7101	Commercialization Forum (Taken 4 times)	4
MSEC 7102	MSEC Seminar (Taken 4 times)	4
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship	3
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship	3
MSEC 7401	Fundamental Materials Science and Engineering	4
MSEC 7402	Advanced Materials Science and Engineering Concepts	4
Electives		
Choose 15 hours from the following:		15
MSEC 7103	Research in Materials Science, Engineering, and Commercialization	
MSEC 7303	Research in Materials Science, Engineering, and Commercialization	
MSEC 7304	Collaborative Research/Commercialization Experience	
MSEC 7310	Nanoscale Systems and Devices	
MSEC 7311	Materials Characterization	
MSEC 7312	Thermodynamics and Kinetics for Material Scientists	
MSEC 7315	Quantum Mechanics for Materials Scientists	

MSEC 7320	Nanocomposites	
MSEC 7325	Principles of Technical Project Management	
MSEC 7330	Computational Materials Science	
MSEC 7340	Biomaterials and Biosensors	
MSEC 7350	Frontiers of Nanoelectronics	
MSEC 7360	Nanomaterials Processing	
MSEC 7370	Advanced Polymer Science	
MSEC 7395A	Microwave & Power Device Physics and Materials	
MSEC 7395B	Thin Film Photovoltaic Devices	
Dissertation		
Choose a minimum of 18 hours from the following:		18
MSEC 7199	Dissertation in Materials Science, Engineering, and Commercialization	
MSEC 7299	Dissertation in Materials Science, Engineering, and Commercialization	
MSEC 7399	Dissertation in Materials Science, Engineering, and Commercialization	
MSEC 7599	Dissertation in Materials Science, Engineering, and Commercialization	
MSEC 7699	Dissertation in Materials Science, Engineering, and Commercialization	
MSEC 7999	Dissertation in Materials Science, Engineering, and Commercialization	
Total Hours		55

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Application for Advancement to Candidacy

Students can download the "Application for Advancement to Candidacy" from The Graduate College website or they can obtain a copy from the doctoral program director. The student should complete and sign the upper portion of the form and return it to the doctoral program director. Students must complete all required course work with the exception of dissertation credit hours and pass the Advancement to Candidacy Comprehensive Examination prior to applying for candidacy. The Advancement to Candidacy Comprehensive Examination can be taken in the last semester in which the student completes all required course work (with the exception of dissertation credit hours). When all requirements for admission to candidacy have been met (completion of boot camps or equivalents, all required course work (with the exception of dissertation credit hours), prescribed electives, successful performance on the comprehensive examination, approval of dissertation advisor/committee, and submission of an approved dissertation proposal), the doctoral program director will forward the Application for Advancement to Candidacy to the dean of The Graduate College for review and approval.

The dean of The Graduate College approves advancement to candidacy once all requirements are met.

Before advancement to candidacy can be approved, students are required to complete the following:

1. Completion of all required course work (with the exception of dissertation credit hours) toward the doctoral degree with a GPA of 3.0 or higher on a 4.0 scale with no grade earned below "B" on any graduate course work to be applied toward the Ph.D. degree.
2. Satisfactory performance on the comprehensive examination consisting of the following parts: SBIR/STTR Grant Proposal, Business Plan, and Oral Examination.
3. The student must select a dissertation advisor, and that advisor must be approved by the doctoral program director. The student also must select a dissertation committee comprised of three additional members of the College of Science and Engineering's doctoral faculty and at least one external member from outside the College of Science and Engineering or the university. Other committee compositions are possible but require the approval of the dissertation advisor and the doctoral program director.
4. The student must choose a topic with the approval of the student's dissertation advisor and committee.
5. The student will submit a title and a written proposal for the dissertation to the student's dissertation committee and successfully defend the proposal in an oral presentation with the dissertation committee. The proposal will include a statement of the problem to be studied, a discussion of the relevant literature, and the research method of the proposed dissertation topic.
6. The doctoral program director will make a recommendation to the graduate dean who makes the final decision on the student's advancement to candidacy. The Graduate College will notify the student once the decision has been made.

Advancement to Candidacy Time Limit

Full time students are expected to advance to candidacy at the end of two years of official enrollment in the program. All full time students are required to have advanced to candidacy by the end of their third year in the program. Requests for a time extension must be submitted to the doctoral program director by the student with the concurrence of the Ph.D. research advisor and must be approved by The Graduate College. Non-traditional, part-time students may request extensions from the doctoral program director as long as they maintain a minimum GPA of 3.0 and are making consistent progress toward fulfilling their degree requirements. The doctoral executive council will review part-time students' requests for extensions on an individual, case-by-case basis.

No credit will be applied toward a student's doctoral degree for course work completed more than five years before the date on which the student is admitted to candidacy. This time limit applies to course credit earned at Texas State, as well as course credit transferred to Texas State from other accredited institutions.

Grade-Point Requirements for Advancement to Candidacy

A minimum GPA of 3.0 on all course work undertaken as a doctoral student in the materials science, engineering, and commercialization program is required for admission to candidacy. No grade earned below "B" on any graduate course work may apply toward a Ph.D. degree at Texas State.

Incomplete grades must be cleared through the office of The Graduate College at least ten days before approval for advancement to candidacy will be granted.

Advancement to Candidacy Comprehensive Examination

The Advancement to Candidacy Comprehensive Examination can be taken as early as the last semester in which the student completes all required course work (with the exception of dissertation credit hours) and no later than the end of their third year in the program. Students will be required to pass a comprehensive examination that will assess the student's preparedness to carry out the proposed plan of dissertation research. To be eligible to take the comprehensive examination, students must have a minimum GPA of 3.0 in all the core course work, including any course work that is transferred from another institution. The Advancement to Candidacy Comprehensive Examination will consist of two written components and one oral component. Each student will be required to take the Advancement to Candidacy Comprehensive Examination, which will be conducted by their Ph.D. dissertation committee. All committee members must be in attendance for candidacy examinations. Results of the Advancement to Candidacy Comprehensive Examination will be reported on the Doctoral Comprehensive Examination Report form and submitted to The Graduate College. The Advancement to Candidacy Comprehensive Examination will consist of the following three parts: SBIR/STTR Grant Proposal, Business Plan, and Oral Examination.

Should a student fail the exam, he or she will have the option of taking a second examination, which must be passed by the end of the following term. Failure to pass this exam on two occasions will lead to the student's dismissal from the Ph.D. program.

Dissertation Proposal

A dissertation proposal prepared by the student and approved by the student's Ph.D. advisor and a majority of the other members of the dissertation committee is a requirement for Advancement to Candidacy status. The proposal must outline the substance and scope of the dissertation research, present the methodology to be used, and survey the relevant literature. The dissertation proposal will be defended as part of the Oral segment of the Advancement to Candidacy Comprehensive Exam. The student's Ph.D. advisor and other dissertation committee members must indicate approval of the dissertation proposal on the "Ph.D. Dissertation Proposal" form. This form can be downloaded from The Graduate College website or it can be obtained from the doctoral program director. A final copy of the dissertation proposal, accompanied by the signed approval form, must be turned in to the doctoral program director, who will forward it to the dean of The Graduate College for review and final approval.

Recommendation for Advancement to Candidacy

The dissertation committee recommends the applicant for Advancement to Candidacy by completing the "Advancement to Candidacy Examination Report" form which can be downloaded from The Graduate College website or obtained from the doctoral program director. The results of the Advancement to Candidacy Comprehensive Examination must be filed in the office of The Graduate College before the dean of The Graduate College gives final approval to candidacy. The doctoral program director is responsible for submitting this report to the office of The Graduate College.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must represent an original contribution to scholarship based on independent investigation. Preparation of the dissertation should follow the guidelines in the current edition of the American Chemical Society (ACS) or American Institute of Physics (AIP) G37 style manual or in an appropriate professional journal in the designated field, as deemed acceptable by the dissertation committee. After being admitted to candidacy, students must be continuously enrolled for dissertation hours each fall and spring term until the defense of their dissertation. If a student is utilizing university resources toward completion of the dissertation in the summer (including faculty supervision or the use of university facilities), or if the student is graduating in the summer, they must be enrolled in at least one hour of dissertation credit for that term. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred. Students must complete a minimum of 18 semester hours of dissertation research credit.

The student must submit to The Graduate College the approved dissertation in electronic format for publication with the Alkek Library. The graduate dean must approve the dissertation.

Dissertation Enrollment Requirements

After being admitted to candidacy, students must be continuously enrolled for dissertation hours each term until the defense of their dissertation. If a student is utilizing university resources toward completion of the dissertation in the summer (including faculty supervision or the use of university facilities), or if the student is graduating in the summer, they must be enrolled in at least one hour of dissertation credit for that term. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred. Students must complete a minimum of 18 semester hours of dissertation research and writing credit.

Dissertation Time Limit

Students are expected to complete the dissertation within two years after Advancement to Candidacy. Any exceptions to this time limit require the approval of the doctoral program director and the dean of The Graduate College. The doctoral program director will review each student annually to ascertain their progress in pursuing the degree and will consult with the student's Ph.D. research advisor and dissertation committee on this matter as appropriate.

Dissertation Committee

The dissertation committee will be responsible for administering the Advancement to Candidacy Comprehensive Examination and will oversee the research progress of a doctoral student and the writing of the student's dissertation. The committee will consist of at least five members, including the student's Ph.D. research advisor, three other MSEC doctoral faculty and at least one external member from outside the MSEC program or the university. The student's Ph.D. research advisor will chair the committee. The student, doctoral program director, and the dean of The Graduate College will approve the composition of the dissertation committee. The Dissertation/Research Advisor form and the Dissertation Committee Request form must be completed to form the committee. These forms may be downloaded from The Graduate College's website.

Any changes to the dissertation committee must be submitted using the Dissertation Advisor/Committee Member Change Request form for approval to the dissertation committee chair, the doctoral program director, and the dean of The Graduate College. Changes must be submitted no later than 60 days before the dissertation defense.

The student is responsible for obtaining committee members' signatures on the Dissertation/Research Advisor Assignment form and the Dissertation Committee Request form, which can be downloaded from The Graduate College website.

Committee Changes

Any changes to the dissertation committee must be submitted using the Dissertation Advisor/Committee Member Change Request form for approval to the dissertation committee chair, the doctoral program director, and the dean of The Graduate College. Changes must be submitted no later than 60 days before the dissertation defense.

The Research Advisor/Committee Member Change Request form may be downloaded from The Graduate College website or obtained from the doctoral program director.

Dissertation Defense

The dissertation defense will not be scheduled until all other academic and program requirements for advancement to candidacy have been fulfilled. A complete draft of the dissertation will be given to the members of the dissertation committee with sufficient time for review, typically two month before the date of commencement during the term in which the student intends to graduate. After committee members have reviewed the draft with the student and provided comments, the student, in consultation with the Ph.D. research advisor, will incorporate the recommended changes into a new draft of the dissertation. When each committee member is satisfied that the draft dissertation is defendable, the dissertation defense may be scheduled.

The dissertation defense will consist of two parts. The first part is a public presentation of the dissertation research. Notice of the defense presentation will be posted at least two weeks in advance. The second part of the defense will immediately follow the public presentation but will be restricted to the student's dissertation committee and entail an oral examination over the dissertation research. Approval of the dissertation requires positive votes from the student's Ph.D. research advisor and a majority of the remaining members of the dissertation committee. The Dissertation Defense Report form must be filed in The Graduate College before the dean of The Graduate College gives final approval to the dissertation. This form may be downloaded from The Graduate College website.

The student is expected to orally defend the dissertation in an announced public presentation within two years of the official date of being advanced to candidacy.

Approval and Submission of the Dissertation

Following approval and signing of the Thesis/Dissertation Committee Approval form by the members of the dissertation committee, the student must submit one copy of the dissertation to the office of The Graduate College for final approval. Specific guidelines for approval and submission of the dissertation can be obtained from the office of The Graduate College. Dissertations must be submitted in electronic format.

Doctoral level courses in Materials Science, Engineering and Commercialization: MSEC

Courses Offered

Materials Science, Engineering and Commercialization (MSEC)

MSEC 7100. Doctoral Assistant Development.
The course is designed to equip the doctoral students with skills and an understanding of proper procedures to be effective teaching assistants. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MSEC 7101. Commercialization Forum.
The course is a seminar series exposing students to commercialization issues. The series includes as speakers: successful entrepreneurs, businessmen, research directors, production and process control engineers, intellectual property and licensing experts, management consultants, and technology transfer specialists. Second year students will present business plans that they developed. Repeatable four times for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7102. MSEC Seminar.
This course is an introduction to current topics through reading of scientific literature with presentations by guest lecturers as the basis for weekly discussions. Students participate by choosing current, high-quality research articles for discussion and will present at least one article during the semester. Repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7103. Research in Materials Science, Engineering, and Commercialization.
This research course is for students in Materials Science, Engineering, and Commercialization who have not yet passed their candidacy exam, typically under supervision of the PhD Research Advisor. Repeatable (with MSEC 7203 & MSEC 7303 hours) for doctoral credit up to 6 hours.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7199. Dissertation.
Original research and writing in Materials Science, Engineering, and Commercialization, is to be accomplished under direct supervision of the PhD Research Advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester. Repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7203. Research in Materials Science, Engineering, and Commercialization.
This research course is for students in Materials Science, Engineering, and Commercialization who have not yet passed their candidacy exam, typically under supervision of the PhD Research Advisor. Repeatable (with MSEC 7103 and MSEC 7303 hours) for doctoral credit up to 6 hours.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7299. Dissertation.
Original research and writing in Materials Science, Engineering, and Commercialization, is to be accomplished under direct supervision of the PhD Research Advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester. Repeatable for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7301. Practical Skills in Commercialization and Entrepreneurship.
This course is the first of a two course series to impart business and commercialization skills by producing a business plan. Key areas covered include intellectual property law, technology transfer and licensing strategies, business plan development, business finance strategies, management structures, project management methods, statistical quality and process control.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7302. Leadership Skills in Commercialization and Entrepreneurship.
Leadership Skills in Commercialization and Entrepreneurship (3-0). This course is the second of a two course series to impart business and commercialization skills by producing a business plan. Key areas covered include intellectual property law, technology transfer and licensing strategies, business plan development, business finance strategies, management structures, project management methods, statistical quality and process control. Prerequisite: MSEC 7301 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7303. Research in Materials Science, Engineering, and Commercialization.
This research course is for students in Materials Science, Engineering, and Commercialization who have not yet passed their candidacy exam, typically under supervision of the PhD Research Advisor. Repeatable (with MSEC 7103 & MSEC 7203 hours) for doctoral credit up to 6 hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7304. Collaborative Research/Commercialization Experience.
This course allows Ph.D. level graduate students to initiate, conduct and participate in a collaborative research or commercialization experience with graduate faculty in addition to research conducted under MSEC 7103, MSEC 7303, MSEC 7199 and MSEC 7399. This course recognizes the collaborative nature of the scientific and commercialization enterprise. Repeatable for doctoral credit up to 6 hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MSEC 7310. Nanoscale Systems and Devices.
This course is an in-depth treatment of physical phenomena in nanoscale structures, and consequences for electronic, photonic, mechanical and other types of devices. The course provides a strong background in devices with applications in nanoelectronics, biomedical systems, micro- and nanoscale manipulation, adaptive optics, and microfluidics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7311. Materials Characterization.
This course covers skills and knowledge required for microscopy methods including transmission electron microscopy, scanning electron microscopy, scanning tunneling electron microscopy, atomic force microscopy, and confocal microscopy. It covers x-ray and neutron diffraction techniques including structure analysis, powder and glancing angle diffraction, pole figure, texture analysis, and small angle scattering.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7312. Thermodynamics and Kinetics for Material Scientists.
This course provides a solid understanding of thermodynamics and kinetics of materials, how the rules of thermodynamics and kinetics relate to real-world phenomena, such as phase transformations, phase diagrams, microstructural evolution, and how to use processing to produce a desired microstructure.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7315. Quantum Mechanics for Materials Scientists.
This course includes quantum-mechanical foundation for study of nanometer-scale materials, principles of quantum physics, stationary-states for one-dimensional potentials, symmetry considerations, interaction with the electromagnetic radiation, scattering, reaction rate theory, spectroscopy, chemical bonding and molecular orbital theory, solids, perturbation theory, and nuclear magnetic resonance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7320. Nanocomposites.
Characteristics of nanoparticles utilized in nanocomposites, techniques for surface modification, methods for nanoparticle dispersion forming nanocomposites, types of nanocomposites, characteristics of nanocomposites, analytical methods for characterization of composites, and common applications will be discussed. Particular attention will be given to the science and theories explaining the unique behavior of nanocomposites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7325. Principles of Technical Project Management.
This course includes planning, budgeting, identification of risks and risk mitigation approaches, resource allocation, review of milestones and schedules, and evaluating projects to measure success. Responsibilities of project managers in the areas of problem solving, motivating and managing creative technical staff in project and matrix organizations will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7330. Computational Materials Science.
Application of computational techniques to molecular and atomic modeling of materials is discussed along with quantum mechanical modeling, density functional theory approaches, forcefield based molecular modeling, mesoscale modeling, energy minimization, molecular dynamics, vibrational spectra, crystal structures, phase equilibria, physical property prediction, and electronic structure related to magnetic and electrical properties. Prerequisite: CHEM 3340 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7340. Biomaterials and Biosensors.
The course covers the growing field of biomaterials science including materials for prosthetics and implants, mimetic materials, biosensors, diagnostic devices, and drug delivery systems. Particular attention will be given to nanomaterials for diagnosis and treatment of diseases including targeted cancer treatments, drug delivery systems, and advanced imaging methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7350. Frontiers of Nanoelectronics.
This course provides an introduction to the operating principles of nanoscale electronic and optical devices. The emphasis is on how leading edge nano-fabrication technology takes advantage of quantum mechanics of reduced sizes and dimensions. Specific examples of devices based on quantum wells, wires, dots and molecular electronics are given.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7360. Nanomaterials Processing.
The course will cover various aspects of materials processing related to semiconductor devices. Topics covered include properties of electronic materials, thin film deposition, etching, lithography, and related device physics with an emphasis on the nanoscale. Fabrication and characterization techniques will be covered, including clean room usage. Prerequisite: MSEC 7401 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7370. Advanced Polymer Science.
Advanced topics in polymer science are discussed with a focus on high performance polymers such as high impact, conducting, shape memory, high temperature and the underlying phenomena that provide these unusual properties, and advanced polymer topic areas such as flame retardancy, barrier properties, dielectric properties, rheology, and fiber reinforced composites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7395A. Microwave & Power Device Physics and Materials.
This course will develop an understanding of basic microwave and power device physics and technology and the advanced materials that are used in today's cutting-edge research & development. The primary focus will be wide bandgap semiconductor materials and devices, and their performance metric versus the industry standard Si-based devices. Prerequisite: MSEC 7401 and MSEC 7402 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MSEC 7395B. Thin Film Photovoltaic Devices.
This course is a survey of the Materials Science of photovoltaic devices with emphasis on device physics including the photovoltaic effect, photon absorption, electrons and holes, generation and recombination, the pn-junction, charge separation, monocrystalline solar cells, thin film solar cells, III-V solar cells, and losses. Prerequisite: MSEC 7401 and MSEC 7402 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MSEC 7395C. Materials for Sustainable Energy.
This course introduces principles and applications of sustainable energy materials used for energy generation, conversion, and storage. Topics of study include principles (thermodynamics, kinetics, transport phenomena, equivalent circuits, catalysis, and electrochemistry) and selection and performance criteria important for applications including batteries, supercapacitors, fuel cells, electrolyzers, dielectrics, biomass, and piezoelectrics. Prerequisite: MSEC 7401 and MSEC 7402 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MSEC 7395D. Polymer Characterization and Processing.
This course will cover the concepts critical to the characterization and processing of organic polymers. Topics critical to characterization will include molecular weight determination, thermo/mechanical characterization, X-ray scattering, and polymer spectroscopy. Processing topics will include polymer rheology, principles of polymer processing, solution processing, and extrusion. Prerequisite: CHEM 4351 or CHEM 5351 or MSEC 7370 any with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MSEC 7395E. Industrial Ecology and Sustainability Engineering.
This course covers the basic principles of life cycle analysis (LCA) of engineered products, materials, and processes. Topics covered include: biological ecology, industrial ecology, resource depletion, product design, process design, material selection, energy efficiency, product delivery, use, end of life and LCA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MSEC 7395F. Catalysis in Materials Science.
This course introduces principles and applications of catalysis in materials science. The primary topics of study will include catalysis as a means of synthesizing materials and materials as catalysis. Subtopics will focus on specific catalysts (Ziegler-Natta, ROMP, and cross-coupling catalysts) and specific catalytic processes (hydrogenation, photoredox, and electrocatalysis).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MSEC 7395G. Applied Plasma Physics.
Applied plasma physics focusing on the broad range of technical plasma devices, and to analyze and describe the main plasma physical characteristics and principles of operation. Emphasis will be on physical insight, application, and problem solving. Prerequisite: MSEC 7401 and MSEC 7402 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MSEC 7399. Dissertation.
Original research and writing in Materials Science, Engineering, and Commercialization, is to be accomplished under direct supervision of the PhD Research Advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7401. Fundamental Materials Science and Engineering.
Course covers fundamentals of chemical kinetics, physical properties, and continuum mechanics. Topics include electronic and atomic structure, structure of crystalline materials, imperfections, thermodynamic and kinetic principles and equations for closed and open systems, statistical models, phase diagrams, diffusion, phase transformations, conservation laws, and kinematics.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7402. Advanced Materials Science and Engineering Concepts.
Fundamentals of quantum mechanics, physics of solid state, and physical electronics and photonics for advanced materials will be discussed. Topics will include quantum basis for properties of solids, lattice vibration, free electron model for magnetism, semiconductors, nanostructures and mesoscopic phenomena, superconductivity, and recent advances in new types of materials. Corequisite: MSEC 7315 or equivalent.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7599. Dissertation.
Original research and writing in Materials Science, Engineering, and Commercialization, is to be accomplished under direct supervision of the PhD Research Advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester. Repeatable for credit.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7699. Dissertation.
Original research and writing in Materials Science, Engineering, and Commercialization, is to be accomplished under direct supervision of the PhD Research Advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester. Repeatable for credit.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7999. Dissertation.
Original research and writing in Materials Science, Engineering, and Commercialization, is to be accomplished under direct supervision of the PhD Research Advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Department of Biology

Supple Building Room 384
T: 512.245.2178 F: 512.245.8713
http://www.bio.txstate.edu/

Master's Programs

The Department of Biology offers several degree options for students wishing to pursue graduate study at the master's level. Thesis-based degrees are usually chosen as preparation for professional careers or advanced graduate work (Ph.D., D.V.M., or M.D.) and by students seeking advanced training for technology-related industries. Non-thesis degrees may be chosen by students preferring broad training in biology without a formal research experience; this plan is often chosen by secondary science teachers wishing to broaden their content training without taking additional education courses.

Thesis Students

Students pursuing a master's degree with thesis should have a thesis committee approved by the end of their first long term of enrollment in

the graduate program. The thesis committee comprises three or more individuals and is chaired by the thesis advisor. Committee members should be selected by the student in consultation with the thesis advisor and should be chosen on the basis of what they can contribute to the student's research and/or graduate studies. Committee members expect to be consulted about the research project and should contribute guidance and expertise to the project. A "Thesis Committee form" can be downloaded from the Biology Department website and must be approved by the chair of the department's graduate committee and the department chair prior to the submission of a thesis proposal.

Students working on a thesis are expected to enroll in a thesis course (BIO 5399A or BIO 5399B) each term that they are actively involved in research. Students should enroll in BIO 5399A for their first term of thesis research and in a Thesis B course (BIO 5199B, BIO 5299B, BIO 5399B, BIO 5599B, or BIO 5999B) for all subsequent terms. While enrolled in BIO 5399A the student should prepare a detailed thesis proposal that introduces the project to be investigated, summarizes the relevant background literature, and explains the methodology to be used in carrying out the research and should complete a "Thesis Submission Approval form" which can be downloaded from The Graduate College website. Submission of an approved thesis proposal to The Graduate College is expected before the end of the student's second term of enrollment in a thesis course. Students pursuing a thesis-based degree must be enrolled in at least one hour of thesis credit during the term in which they graduate.

All students completing a thesis are required to present the results of their research in an open seminar attended by the thesis committee members and other interested individuals. Following the public presentation of the thesis, the student must pass a comprehensive examination administered by the thesis committee.

Non-thesis Students

Students pursuing a non-thesis degree are expected to have a supervising professor by the end of their first long term of enrollment in the graduate program. The supervising professor will normally be a faculty member specializing in an area of particular interest to the student and is often the individual who oversees the required independent study project. Prior to the final term of enrollment the non-thesis student must, in consultation with the supervising professor, select a committee that will administer the final comprehensive examination. A "Non-Thesis Committee form" can be downloaded from the Biology Department website and must be approved by the chair of the department's graduate committee and the department chair.

Students pursuing a non-thesis degree must be enrolled in at least one hour of coursework during the term in which they graduate.

Comprehensive Examination

All candidates for master's degrees in the Department of Biology must pass a comprehensive final examination administered by the student's committee. The examination may be oral or written and must cover, at a minimum, the student's field of concentration and the thesis, if one was written. The results of this exam should be reported on the "Master's Comprehensive Examination Report form," which can be downloaded from The Graduate College website which must be filed with The Graduate College at least 10 days prior to the date of expected graduation.

Financial Assistance

Assistantships and scholarships are available to qualified applicants on a competitive basis. In order to be considered for scholarships, applicants must have their application completed for review before the priority application deadline. The Department of Biology offers a number of graduate instructional assistantships to full-time students enrolled in the master's program, and information on the availability of these positions will be provided following acceptance into the graduate program. These assistantships are renewable based upon an annual review of each student's progress and performance. Faculty members may also have funds available to support students as research assistants. Support is normally limited to two years.

The Graduate College can provide information concerning the availability of graduate scholarships.

Doctor of Philosophy (Ph.D.)

- Major in Aquatic Resources and Integrative Biology (Entering with Master's Degree) (http://mycatalog.txstate.edu/graduate/science-engineering/biology/aquatic-resources-phd)
- Major in Aquatic Resources and Integrative Biology (Entering with Bachelor's Degree) (http://mycatalog.txstate.edu/graduate/science-engineering/biology/aquatic-resources-entering-bachelors-phd)

Master of Arts (M.A.)

- Major in Biology (p. 2331)

Master of Science (M.S.)

- Major in Aquatic Resources (Aquatic Biology Concentration) (http://mycatalog.txstate.edu/graduate/science-engineering/biology/aquatic-resources-aquaticbiology-ms)
- Major in Aquatic Resources (Aquatic Systems Concentration) (http://mycatalog.txstate.edu/graduate/science-engineering/biology/aquatic-resources-aquaticsystems-ms)
- Major in Biology (Non-thesis Option) (http://mycatalog.txstate.edu/graduate/science-engineering/biology/biology-nonthesis-nominor-ms)
- Major in Biology (Non-thesis Minor Option) (http://mycatalog.txstate.edu/graduate/science-engineering/biology/biology-nonthesis-minor-ms)
- Major in Biology (Thesis Option) (http://mycatalog.txstate.edu/graduate/science-engineering/biology/biology-thesis-nominor-ms)
- Major in Biology (Thesis Science or Geography Minor Option) (http://mycatalog.txstate.edu/graduate/science-engineering/biology/biology-thesis-minor-ms)
- Major in Population and Conservation Biology (p. 2391)
- Major in Wildlife Ecology (p. 2401)

Minors

- Aquatic Resources (p. 2410)
- Biology (p. 2410)

Doctor of Philosophy (Ph.D.) Major in Aquatic Resources and Integrative Biology (Entering with Master's Degree)

Sustainable freshwater resources provide a foundation for aquatic and terrestrial ecosystems, as well as human use and economic development. However, inadequate understanding of aquatic resources and a prevailing inability to properly integrate scientific, technical, and socioeconomic elements continues to seriously hinder the goal of providing sustainable aquatic resources, not only in Texas but across the nation and around the world.

Educational Goal

The doctoral program emphasizes original research and is designed to provide depth and breadth of knowledge in the field of aquatic resources and related disciplines, including basic and applied research, management, and policy. Students will work, both independently and with other specialists, in a multidisciplinary environment to identify and solve complex problems and issues relevant to the sustainable use of aquatic resources.

Department Policies

Each doctoral student will develop a program of research and study in consultation with their Ph.D. advisor and the doctoral program director and approved by the dean of The Graduate College. This program will include a set of core courses and an appropriate selection of elective courses necessary to provide the student with the scientific expertise and knowledge to work independently and with others in a multidisciplinary environment to address the range of issues constituting sustainable aquatic resources.

Prospective students must contact doctoral faculty members to identify an individual willing to serve as their major advisor prior to submitting their application to the graduate program. A list of faculty and their research areas is available at http://www.bio.txstate.edu/Graduate-Programs/Ph-D--Aquatic-Resources.html.

Financial Assistance

Assistantships and scholarships are available to qualified applicants. The Department of Biology offers doctoral instructional assistantships and teaching assistantships on a competitive basis to full-time students enrolled in the aquatic resources Ph.D. program. Detailed information on the department's assistantship policy is included in the Department's Graduate Guide. The office of The Graduate College can provide further information regarding scholarships.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- master's degree in biology, chemistry, engineering, geology, or a related natural science field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.25 GPA in all completed graduate course work
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- mentor communication (intent to mentor letter) sent directly from a doctoral faculty member within the Aquatic Resources and Integrative Biology Program
- resume/CV summarizing educational and professional accomplishments
- statement of purpose describing professional aspirations and rationale for pursuing a doctoral degree in aquatic resources
- three letters of recommendation addressing the substance and quality of the student's preparation for doctoral study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Aquatic Resources and Integrative Biology requires 61 semester credit hours, including a dissertation. The selection of electives should be made in consultation with the student's Ph.D. advisor and the program director.

Code	Title	Hours
Required Courses		
BIO 7102	Seminar in Aquatic Resources (Taken twice)	2
BIO 7303	Research (Taken three times)	9
BIO 7405	Statistics and Experimental Design I	4
or BIO 7406	Statistics and Experimental Design II	
BIO 7312	Government Policy and Aquatic Resources	3
PHIL 7323	Environmental Ethics and Sustainable Aquatic Resources	3
Electives		
Choose 25 hours from the following:		25
BIO 7114	Collaborative Research	
BIO 7120	Population Biology Seminar	
BIO 7214	Collaborative Research	
BIO 7308	History of Vegetation and Climate	
BIO 7314	Collaborative Research	

BIO 7324	Natural History and Conservation of Large Mammals
BIO 7325	Wildlife and Recreation: Impact, Policy, and Management
BIO 7328	Integrated Waterbird Management
BIO 7336	Evolutionary Ecology
BIO 7346	Conservation Biology
BIO 7348	Aquatic Resources Economics
BIO 7350	Aquatic Resources Law
BIO 7353	Biogeography
BIO 7355	Plant-Water Relations
BIO 7356	Pollution of Aquatic Ecosystems
BIO 7360A	Industry and Sustainable Aquatic Resources
BIO 7360B	Environmental Linkages and Sustainable Aquatic Resources
BIO 7360C	Role of State and Federal Courts in Protection and Maintnance of Aquatic Resources
BIO 7360D	Special Topics in Aquatic Resources: Evolutionary Ecology
BIO 7360E	Advances in Water Quality Investigations
BIO 7360F	Special Topics in Aquatic Resources: Approaches to Aquatic Resource Modeling
BIO 7360G	Molecular Techniques in Microbial Ecology
BIO 7360H	Parasites and Diseases fo Fishes and Other Aquatic Animals
BIO 7360I	Bayesian Statistics for Biology
BIO 7360K	Evolution
BIO 7360L	Special Topics in Aquatic Resources: Landscape & Biogeography of Texas
BIO 7360M	Wetland Ecology
BIO 7360N	Behavioral Ecology
BIO 7360P	Special Topics in Aquatic Resources: Regulation of Plant Growth and Development
BIO 7360Q	Special Topics in Aquatic Resources: Spatial Ecology of Animals
BIO 7360R	Special Topics in Aquatic Resources: Community and Ecosystem Ecology
BIO 7360S	Soil Biology
BIO 7360T	Special Topics in Aquatic Resources: Karst Hydrogeology and Geomorphology
BIO 7360U	Sustainability in a Changing World
BIO 7360V	Techniques in Aquatic Biology
BIO 7366	Integrated Water Resources Management
BIO 7367	Behavioral Ecology
BIO 7407	Instrumentation for Water Quality Analysis
BIO 7408	Fish Ecology and Conservation
BIO 7410	Aquatic Microbial Ecology
BIO 7412	Environmental Hydrology
BIO 7415	Ichthyology
BIO 7419	Stream Ecology
BIO 7421	Landscape Dynamics
BIO 7422	Wetlands Ecology
BIO 7424	Phycology
BIO 7426	Ecology and Management of Aquatic Macrophytes
BIO 7427	Principles of Population Biology I
BIO 7428	Principles of Population Biology II
BIO 7433	Population Genetics
BIO 7434	Herpetology
BIO 7440	Aquatic Toxicology
BIO 7447	Microbial Physiology and Genetics
BIO 7466	Phylogenetics
BIO 7468	Groundwater Resources
BIO 7469	Introduction to Ecological Modeling
BIO 7470	Limnology
BIO 7471	Reservoir Ecology
BIO 7475	Restoration of Polluted Aquatic Resources
CHEM 7330	Environmental Chemistry
ENG 7314	Specializations in Professional and Technical Communication Topics
GEO 7316	Remote Sensing and the Environment
GEO 7318	GIS and Environmental Geography
GEO 7334	Geographic Aspects of Water
GEO 7417	Geographic Information Systems
Dissertation	
Choose a minimum of 15 hours from the following:	15
BIO 7199A	Dissertation in Aquatic Resources
BIO 7299A	Dissertation in Aquatic Resources
BIO 7399A	Dissertation
BIO 7599A	Dissertation in Aquatic Resources
BIO 7699A	Dissertation
BIO 7999A	Dissertation in Aquatic Resources
Total Hours	61

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Application for Advancement to Candidacy

Students can download the "Application for Advancement to Candidacy" from The Graduate College website or they can obtain a copy from the program director. The student should complete and sign the upper portion of the form and return it to the program director. When all requirements for admission to candidacy have been met (completion of core course work, submission of an approved dissertation proposal, and completion of the comprehensive examination), the program director will forward the Application for Advancement to Candidacy form to the dean of The Graduate College for review and approval.

Advancement to Candidacy Time Limit

Students entering the doctoral program in Aquatic Resources and Integrative Biology with a master's degree and receiving departmental support are expected to take the Advancement to Candidacy Comprehensive Examination by the end of their second year in the program; students entering with a bachelor's degree and receiving departmental support are expected to take the examination by the end of their third year. All students are expected to have passed the Advancement to Candidacy Comprehensive Examination within one

calendar year of completing the core course work required by their degree audit. This expectation holds for both full-time and part-time students. Requests for a time extension must be submitted to the program director by the student's Ph.D. advisor and approved by the graduate committee.

No credit will be applied toward a student's doctoral degree for course work completed more than four years before the date on which the student is admitted to candidacy. This time limit applies to course credit earned at Texas State, as well as course credit transferred to Texas State from other accredited institutions.

Grade-Point Requirements for Advancement to Candidacy

A minimum GPA of 3.0 on all course work undertaken as a graduate student in the Aquatic Resources and Integrative Biology doctoral program is required for admission to candidacy. No grade below "B" on any graduate course work may apply toward the Ph.D. degree at Texas State.

Incomplete grades must be cleared through the office of The Graduate College at least ten days before approval for advancement to candidacy will be granted.

Advancement to Candidacy Comprehensive Examination

Students in the doctoral program are required to pass a comprehensive examination that will assess the student's preparedness to carry out the proposed plan of dissertation research. Students taking the Advancement to Candidacy Comprehensive Examination must have completed all required core and background courses as prescribed in their degree audit. Detailed information on the examination procedure can be found in the Department of Biology's *Guide to Graduate Study* or obtained from the program director.

The Advancement to Candidacy Comprehensive Examination will consist of both written and oral components. The written component of the examination will consist of questions submitted by the dissertation committee members and will be administered by the program director. Successfully passing the written component of the examination requires positive votes from all members of the dissertation committee.

Successful completion of the written portion of the candidacy exam must be followed within thirty days by an oral presentation and defense of the dissertation proposal. The oral component of the Advancement to Candidacy Comprehensive Examination will entail a public seminar presentation of the student's dissertation proposal, followed immediately by a closed defense of the proposal attended only by the student and his or her dissertation committee. Both the presentation and defense must take place on the same day. Successfully passing the oral examination requires positive votes from all members of the student's dissertation committee.

Dissertation Proposal

A dissertation proposal prepared by the student and approved by the student's Ph.D. advisor and all other members of the dissertation committee is a requirement for advancement to candidacy status. The proposal must outline the substance and scope of the dissertation research, present the methodology to be used, and survey the relevant literature. The student's Ph.D. advisor and other dissertation committee members must indicate approval of the dissertation proposal on the "Dissertation Proposal form" which can be downloaded from The Graduate College website or obtained from the program director. A final copy of the dissertation proposal, accompanied by the signed approval form, must be turned in to the program director, who will forward it to the dean of The Graduate College for review and final approval.

Recommendation for Advancement to Candidacy

The dissertation committee recommends the applicant for advancement to candidacy after completing the "Doctoral Comprehensive Examination Report" which can be downloaded from The Graduate College website or obtained from the program director. The results of the Advancement to Candidacy Comprehensive Examination and the Application for Advancement to Candidacy must be filed in the office of The Graduate College before the dean of The Graduate College gives final approval to candidacy. The program director is responsible for submitting these forms to the office of The Graduate College.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must represent an original contribution to scholarship based on independent investigation. Preparation of the dissertation should follow the guidelines in the current edition of the *CBE* (*Council of Biology Editors) Style Manual* or in an appropriate professional journal in the designated field, as deemed acceptable by the dissertation committee.

Dissertation Enrollment Requirements

After being admitted to candidacy, students must be continuously enrolled for dissertation hours each term until the defense of their dissertation. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred. Students must complete a minimum of 15 semester hours of dissertation research and writing credit.

Dissertation Time Limit

Students are expected to complete the dissertation within three years of advancement to candidacy. Successful completion of the dissertation defense must occur within ten years of the student's entry into the Ph.D. program. Any exceptions to these time limits require the approval of the program director and the dean of The Graduate College. The dissertation committee and the program director will review each student annually to ascertain his or her progress in pursuing the degree, and will consult with the student's Ph.D. advisor and dissertation committee on this matter as appropriate.

Dissertation Committee

The dissertation committee is responsible for the Advancement to Candidacy Comprehensive Examination and will oversee the research progress of a doctoral student and the writing of the student's dissertation. The committee will consist of at least five members, including the student's Ph.D. advisor, two other Texas State biology doctoral faculty members, and two external doctoral-level members, at least one of whom must be from an institution other than Texas State. The student's Ph.D. advisor will chair the committee and will normally be from the major department. The student, program director, department chair, and the dean of The Graduate College will approve the composition of the dissertation committee. The student is responsible for obtaining committee members' signatures on the "Dissertation/Research Advisor Assignment form" and the "Dissertation Committee Request form," which can be downloaded from The Graduate College website.

Committee Changes

Any changes to the dissertation committee must be submitted for approval to the dissertation committee chair, the doctoral program director, the department chair, and the dean of The Graduate College. Changes must be submitted no less than sixty days before the dissertation defense. The "Dissertation Advisor/Committee Member Change Request form" may be downloaded from The Graduate College website.

Dissertation Defense

The dissertation defense will consist of two parts. The first part is an oral presentation of the dissertation research as a public seminar that should be given as part of the department's weekly seminar series. The second part of the defense is restricted to the student's dissertation committee and will entail an oral examination over the dissertation research.

The oral examination over the dissertation research may not be scheduled until all other academic and program requirements have been fulfilled. A complete draft of the dissertation must be given to the members of the dissertation committee at least 65 days before the date of commencement during the semester in which the student intends to graduate. After committee members have reviewed the draft with the student and provided comments, the student, in consultation with the Ph.D. advisor, will incorporate the recommended changes into a second draft of the dissertation. When each committee member is satisfied that the draft dissertation is defendable, the oral examination may be scheduled. The full committee, including all external members, must be present. Approval of the dissertation requires positive votes from all members of the dissertation committee. At the conclusion of the defense, a "Dissertation Defense Report form" — which can be downloaded from The Graduate College website — must be completed, signed by all committee members, and submitted to the program director, who will forward it to the dean of The Graduate College for review and final approval. Specific information on the examination procedure can be found in the Department of Biology's *Guide to Graduate Study* or obtained from the program director.

Approval and Submission of the Dissertation

Following approval and signing of the dissertation by the members of the dissertation committee and submission of the "Dissertation Defense Report form", the student must submit one copy of the dissertation and the signed "Thesis/Dissertation Committee Approval" form to The Graduate College. Specific guidelines for approval and submission of the dissertation can be obtained from The Graduate College.

Doctoral courses in Biology (and other related departments): BIO (p. 2299), CHEM (p. 2307), ENG (p. 2307), GEO (p. 2308), PHIL (p. 2313)

Courses Offered

Biology (BIO)

BIO 7100. Professional Development.
This course is seminar-based and covers topics related to teaching, research, and employment responsibilities. Completion of the course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

BIO 7102. Seminar in Aquatic Resources.
Interactive discussion of timely issues and problems, designed to introduce students to the range of scientific, socioeconomic and policy issues likely to be encountered within the field of aquatic resources. All students seeking a doctoral degree in Aquatic Resources must enroll in BIO 7102 at least twice.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

BIO 7103A. Ecology and Society.
Interactive discussion on relationships between society and the life-supporting ecosystems on which humans depend. Topics include roles of naturalsystems in social systems; effects of social, economic and political institutions on ecological systems and services; and the means by which humans develop and sustain desired ecological and social states.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103B. Aquaculture.
The course comprises a survey of aquaculture production throughout the world. It also examines and discusses the impacts of aquaculture on nutrition, fisheries and the economy.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103C. Marine Pollution.
This course will be an interactive discussion of scientific literature on the bioaccumulation and trophic transfer of pollutants in the marine environment. Topics will include metals, oil, PCBs and emerging contaminants.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7103D. Molecular Biology of the Cell.
Interactive discussion of current literature on molecular biology of the cell. The course is designed to discuss concepts and their applications and methodology associated with the structure and function of the cell at cellular and molecular level.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103E. Contemporary Problems in Ecology.
This course is an interactive discussion of the theoretical foundations and empirical basis for controversial topics in ecology, designed to develop critical thinking skills, and the ability to evaluate and integrate the biological, chemical and physical factors that affect the structure, functions, and interactions characterizing communities and ecosystems.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103F. Molecular Genetics of Plant Development.
The study of plant development is rapidly changing as plant genome projects discover a multitude of new genes, and their expression and interaction patterns are understood. This course is designed to discuss concepts in plant development, and developmental processes as pathways of gene regulatory activities.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103G. Ecohydrology.
A review of the concept of ecohydrology, its scientific foundation, and its ecological-hydrological linkages. Current topics in ecohydrology in the literature will be discussed, including manipulation of biota and hydrology interactions in a landscape, and the possibility of augmenting the resilience of ecosystems to anthropogenic changes.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103H. Integrated Waterbird Management.
This course focuses on the ecology and management of waterbirds, with an emphasis on the inland and coastal waterbirds of Texas. The basic ecology of waterbirds, waterbird management techniques, and waterbird habitat management will be discussed.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103I. Avian Ecology and Evolution.
This course is an interactive discussion of avian ecology and evolution, providing students with a critical examination of theories, hypotheses, and lab and field-based data that support or refute there hypotheses. This course also discusses peerreviewed literature that challenges some paradigms in avian ecology and evolution.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7114. Collaborative Research.
This course (concurrent enrollment allowed) allows Ph.D. level graduate students to initiate, conduct, and participate in collaborative research with graduate faculty of the Department of Biology that is in addition to research conducted under BIO 7303, BIO 7399A, or BIO 7699A. This course recognizes the collaborative nature of scientific investigation.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 7120. Population Biology Seminar.
This course facilitates exploration of current topics in population and conservation biology through reading and discussion of contemporary primary and secondary literature.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7199A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7214. Collaborative Research.
This course (concurrent enrollment allowed) allows Ph.D. level graduate students to initiate, conduct, and participate in collaborative research with graduate faculty of the Department of Biology that is in addition to research conducted under BIO 7303, BIO 7399A, or BIO 7699A. This course recognizes the collaborative nature of scientific investigation.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7299A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7300. Communicating Science.
This course explores how to successfully disseminate science through visualizations, oral presentations, and written works to multiple audiences. Special emphasis will be placed on communicating with the general public, media, granting agencies, and science peers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7301. College Science Teaching.
This course is designed for graduate students in the sciences who are interested in improving their science teaching and/or are interested in pursuing careers in academia. This course focuses on the central question, "How do college students best learn science, and thus how do we best teach them?".
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7302. Problems in Aquatic Resources.
Individual study on specific state, national, or international aquatic resources issues, under direct supervision of a doctoral or associate faculty member. Students may not enroll in BIO 7302 more than twice for doctoral credit without the approval of the Graduate Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7303. Research.
Research course for students who have not yet passed their Candidacy Exam, typically under direction of research-dissertation supervisor. Pre-candidacy students must enroll in course every semester until admission to Candidacy, although it may not be taken more than three times for doctoral credit without the approval of Graduate Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7308. History of Vegetation and Climate.
An overview of past vegetation and its relationship to changing climate. Topics include principles of paleovegetation analysis, paleoclimatology, the rise of flowering plants, vegetation during the age of dinosaurs, the rise of the grasslands, and the Quaternary Ice Age. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7310. Global Aquatic Resources.
Introduction to global, national, and regional aquatic resource issues, including scientific, environmental policy and socioeconomic components and perspectives. Water quantity and quality issues and their root causes in different regions of the world are examined, with an emphasis on case studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7312. Government Policy and Aquatic Resources.
Examination of aquatic resources issues in federal, state, or local governments, including examination of goals and relations of different governmental entities to each other. Relevant international treaties, and federal and state statutes in which these policies are embodied, are examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7314. Collaborative Research.
This course (concurrent enrollment allowed) allows Ph.D. level graduate students to initiate, conduct, and participate in collaborative research with graduate faculty of the Department of Biology that is in addition to research conducted under BIO 7303, BIO 7399A, or BIO 7699A. This course recognizes the collaborative nature of scientific investigation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7322. Scientific Method and Aquatic Resources.
Analysis of the scientific method applied to ecological research, focusing on aquatic ecosystems. Topics include methods of reasoning and statistical inferences in research, strategies of scientific research in aquatic ecology, and scientific research as a social process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7325. Wildlife and Recreation: Impact, Policy, and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented. Prerequisite: BIO 4416 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7326. Immunobiology.
This lecture-based course will cover the mechanisms and biology of the innate and adaptive immune system. Emphasis will include relationship to cancer, transplantation, hypersensitivity (allergy), and disease. Students will evaluate current research in immunology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7328. Integrated Waterbird Management.
This course examines the principles and practical methodology of integrated waterbird conservation and management, including overview of waterbird ecology, techniques in monitoring and data collection related to population dynamics, and habitat parameters of waterbird species. Field trips may be required.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7336. Evolutionary Ecology.
This course will use an evolutionary perspective to explore questions provided by natural selection and sexual selection through assessment of current theory and research related to topics such as competition, coevolution, and phenotypic plasticity. Students will achieve comprehension and familiarity with the field through discussions and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7342. Virology.
This course examines the structure, multiplication and genetics of bacterial, plant, and animal viruses as well as the role of viruses in human and plant disease. Students are expected to become familiar with the research literature in virology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7346. Conservation Biology.
Examination of the alteration of habitats and associated biological changes threatening the continued existence of species and basic ecosystems. Topics include conservation ethics, working paradigms, levels and loss of global biodiversity, conservation at population and ecosystem levels, restoration ecology, endangered species biology and conservation laws. Recent Advances are stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7348. Aquatic Resources Economics.
Examination of economic and related social issues for facilitation of sustainable aquatic resources for competing beneficial human uses and ecosystem maintenance, including valuation of aquatic ecosystem services. Prerequisite: BIO 7312 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7350. Aquatic Resources Law.
Examination of treaties, state and federal laws, and regional and local regulations, affecting freshwater and coastal aquatic resources. The focus is on aquatic ecosystems, water quantity and quality and environmental conditions, including the availability, storage, use, and protection of aquatic resources. Prerequisite: BIO 7312 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7353. Biogeography.
Examines historical and ecological explanations of the geographic distribution of organisms including the role of geologic, climatic, and biologic changes. Emphasizes the historical and philosophical development of the science and modern methods of analysis.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 7355. Plant-Water Relations.
Examination of the physiology and ecology of water use in higher plants, including the uptake, utilization, and movement of water, transpiration and adaptation to variable water availability including drought, and the ecological role of water in structuring plant communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7356. Pollution of Aquatic Ecosystems.
Overview of the water quality degradation of aquatic ecosystems (rivers, lakes, wetlands, groundwater aquifers) and their living resources from point and nonpoint pollutant sources. Topics will include aquatic ecosystem pollution and impacts attributable to nutrients, heavy metals, organic chemicals, sediment, salinization, and acid rain. Field trips may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7360A. Industry and Sustainable Aquatic Resources.
Examination of industrial water needs and uses, the types and quantities of water pollutants produced by different industries, problems faced by industry regarding process water for different manufacturing activities, and the possibilities for industry to contribute to the goal of sustainable aquatic resources.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360B. Environmental Linkages and Sustainable Aquatic Resources.
Introduction to the environmental relationships between humans and other living beings and the ecological systems in which they exist. Emphasis will be on the potential for individual environmental problems to have serious impacts on other environmental components, as well as the nature of these impacts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360C. Role of State and Federal Courts in Protection and Maintenance of Aquatic Resources.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360D. Evolutionary Ecology.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360E. Advances in Water Quality Investigations.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360F. Approaches to Aquatic Resource Modeling.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360G. Molecular Techniques in Microbial Ecology.
Lectures on molecular techniques used to analyze structure and function of uncultured microbial communities in the environment with selected examples of applications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360H. Parasites and Diseases of Fishes and Other Aquatic Animals.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics
Grade Mode: Standard Letter

BIO 7360I. Bayesian Statistics for Biology.
This course examines the theory and mathematical foundations of Bayesian statistics and provides instruction and experience conducting Bayesian analyses using computer-based procedures. The course emphasizes practical applications for Bayesian statistical procedures for problems in biological sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360K. Evolution.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360L. Landscape and Biogeography of Texas.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360M. Wetland Ecology.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360N. Behavioral Ecology.
Examination of evolutionary implications of behavioral interactions through the assessment of current theory and research related to cooperation and conflict, mating and parental conflict and sexual selection. Class will consist of lectures, discussions of recent primary literature, and scientific writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360P. Regulation of Plant Growth and Development.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360Q. Spatial Ecology of Animals.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course maybe repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360R. Community and Ecosystem Ecology.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360S. Soil Biology.
An introduction to the biology of soil systems, including the roles of biota in forming and maintaining soils, and the interactions between biotic and abiotic components in soils.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360T. Karst Hydrogeology and Geomorphology.
An introduction to, and advanced understanding of, karst hydrogeology, geology, and geomorphology, with emphasis on field and theoretical applications of this information to the study of karst systems, and recognition and understanding of karst landforms at the surface and their relationships with subsurface processes. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360U. Sustainability in a Changing World.
Understanding the ecological-social interface, including policies, product development and actions towards sustainability, with emphasis on integrating and implementing theories and methods across disciplines, and improving the knowledge and experience base for public policy and decision-making regarding human-environment linkages within the context of sustainable development. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360V. Techniques in Aquatic Biology.
The course will provide hands on experience with a suite of physical, chemical, and biological sampling techniques and gear used in applied river studies. Students will be exposed to the fundamentals of data quality objectives, accuracy, precision, detection limits, data visualization, exploratory analysis, univariate and multivariate statistics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360X. Communicating Science.
This course explores how to successfully disseminate science through visualizations, oral presentations, and written works to multiple audiences. Special emphasis will be placed on communicating with the general public, media and granting agencies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360Y. Applied Bioinformatics.
This course provides an introduction to scripting and other computational techniques used for visualizing and analyzing large biological datasets. Computational techniques include sequence and structural alignment, data mining, phylogenetic tree construction, and data clustering using UNIX, Python, and R. Students will gain a solid foundation in broadly applicable bioinformatics skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360Z. College Science Teaching.
This course is designed for graduate students in the sciences who are interested in improving their science teaching and/or are interested in pursuing careers in academia. This course focuses on the central question, "How do college students best learn science, and thus how do we best teach them?".
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7361A. Discipline-Based Educational Research Methods.
This course will expose science graduate students to educational research in a practical setting, supervised by a professor experienced in conducting discipline-based educational research, focusing primarily on qualitative methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7361B. Ecology of Temporary Waters.
The course explores the diversity of temporary bodies of water and of the species that rely on them, including their special adaptations, population and community dynamics, the ecological role of temporary waters, and how these systems are impacted by humans. Background coursework or independent study in ecology is recommended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7361C. Advanced Genomics and Bioinformatics.
This course provides hands-on experience in processing and analyzing data produced from contemporary genomics tools for thesis students with basic bioinformatics training. Prerequisite: BIO 7360Y with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7361D. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and over wintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7362. Environmental Impact Analysis.
Examination of government regulations regarding environmental impact, content of environmental impact statements, procedure for impact studies, application of ecological principles to impact studies, and the review process for environmental impact statements, focusing on aquatic resources.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7366. Integrated Water Resources Management.
Study of principles for integrated management of aquatic ecosystems, including drainage basin, regional, and transboundary dimensions. Other global issues (climate change, biodiversity, etc.) also are discussed as components of integrative approach for multi-functional programs for sustainable use of aquatic ecosystems. Prerequisites: [BIO 7310 and BIO 7412 both with grades of "C" or better] or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7367. Behavioral Ecology.
Examination of the evolutionary implications of behavioral interactions through the assessment of current theory and research related to social behavior, sexual selection and sexual conflict, and mechanisms of behavior. Students will achieve comprehension and familiarity with the historical development of the field of behavioral ecology through discussions and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7399A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7401. Assessment Techniques for Aquatic Resources.
The rationale for designing and implementing monitoring and sampling programs for aquatic resources is examined. General field and laboratory methods for assessing water quantity, water quantity and the status of aquatic ecosystems and their living resources, will be introduced. Field trips will be required.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7402. Molecular Field Techniques.
The application of molecular tools for identifying, quantifying, and interpreting biological diversity assessments in aquatic systems. The course focuses on micro organismal identification and vertebrate model systems.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 7405. Statistics and Experimental Design I.
Introduction to inferential statistics, including exploratory and confirmatory data analysis, estimation and hypothesis testing, analysis of variance and regression, and non-parametric techniques, as applied to aquatic resource issues. Computer applications emphasized.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7406. Statistics and Experimental Design II.
Introduction to the principles of experimental design, including randomization, replication, sample-size determination, completely randomized and randomized block design, factorial design, repeated measure design, and analysis of variance and covariance, as applied to aquatic resource issues. Computer applications emphasized. Prerequisite: BIO 7405 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7407. Instrumentation for Water Quality Analysis.
An introduction to the theory and application of laboratory and field instrumentation and techniques for analysis of water quality. Prerequisite: CHEM 3410 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 7408. Fish Ecology and Conservation.
Examination of the linkages and interactions between fish assemblages and communities and their population ecology. Issues related to flowing and pooled water systems and fisheries conservation also are discussed. Field trips may be required.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7410. Aquatic Microbial Ecology.
Examination of microbial organisms, communities, and interactions affecting the form, structure, and functional aspects of aquatic ecosystems. Field trips may be required. Prerequisite: BIO 2400 with a grade of "D" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7412. Environmental Hydrology.
Overview of the properties, distribution, and movement of water over and under the land surface and its relation to sustainable aquatic ecosystems, including quantitative methods to assess cumulative impacts of human activities on such systems. Field trips may be required. Knowledge of calculus recommended.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7414. Ecology of Infectious Diseases of Wildlife.
Concepts of the ecology of infectioius diseases in wildlife are studied in depth with emphasis on their application to the management and conservation of wildlife species and for the control of zoonotic diseases. Prerequisite: Instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7415. Ichthyology.
An introduction to the morphology, taxonomy, natural history, and evolution of fishes. Field trips will be made to collect specimens, and laboratory periods will be devoted to morphological and systematic analyses.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7419. Stream Ecology.
Study of ecological theories, concepts, and processes occurring at the population, community, and ecosystem levels of organization in running water. Laboratory includes sampling methods, descriptive and comparative studies, experiments, and critical discussion of literature. Field trips may be required.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7421. Landscape Dynamics.
Study of processes influencing energy and material flows, interactions and cycling in aquatic ecosystems, including system and spatial analysis of landscapes, aquatic ecosystems, land use characteristics, and associated human impacts. Field trips may be required. Knowledge of calculus recommended. Prerequisite: BIO 7412 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7422. Wetlands Ecology.
Study of the characteristics, classification, conservation and management of marshes and other periodically-inundated ecosystems, emphasizing the interactions of physical, chemical and biological factors. Field trips may be required. Prerequisite: BIO 4416 with a grade of "D" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7424. Phycology.
Examination of algae (phytoplankton, periphyton) and their structure, taxonomy, ecology and distribution.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7426. Ecology and Management of Aquatic Macrophytes.
Examination of aquatic macrophytes and their ecology, taxonomy, distribution and management. Field trips may be required.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7427. Principles of Population Biology I.
Provides a foundation in theory and mathematics of basic population biology. The course is divided into modular components including defining evolutionary significant units, ecology of populations, genetics of populations, and evolutionary genetics. Prerequisites: BIO 2450 and BIO 4416 both with grades of "D" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7428. Principles of Population Biology II.
Provides a foundation in theory and mathematics of basic population biology. The course is divided into modular components which include: 1) Ecology of Communities, 2) Evolution of Behavior, 3) Phylogenic Methods, and 4) Biological Diversity and Conservation Biology. Prerequisite: BIO 7427 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7430. Mycology.
This course provides an introduction to the organisms in the Kingdom Fungi and to fungus-like organisms, their ecology and evolution, and their role in industry and disease. Special emphasis will be placed on morphology, culturing, and using laboratory techniques for identification.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7433. Population Genetics.
This course examines the theoretical foundations of population genetics, including the description of population genetic structure and the forces creating it. The course emphasizes application of principles to a wide range of current problems in evolution, systematics and ecology. Molecular methods, data interpretation and computer-based data analysis are emphasized.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. While cosmopolitan in scope, emphasis will be placed on North American species and those groups inhabiting Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7440. Aquatic Toxicology.
Introduction to principles for identifying and assessing the adverse effects of chemicals and other compounds and mixtures on aquatic organisms and ecosystems.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 7447. Microbial Physiology and Genetics.
Prokaryotes, including bacteria and archaea, are the most diverse group of organisms on earth. Many prokaryotes live in environments which are inhospitable to other life forms. This course covers major aspects of prokaryotic physiology and genetics that permit them to be so successful. Prerequisites: BIO 2400 and BIO 2450 both with grades of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 7466. Phylogenetics.
Study of the use of phylogenetic methodologies in aquatic research, including practical data collection, management, and analysis in the reconstruction of phylogenies. Laboratory exercises will introduce phylogenetic and DNA analysis software. Prerequisite: BIO 2450 and BIO 4369 and BIO 5466 all with grades of "C" or better or instructor approval.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 7468. Groundwater Resources.
Study of the geological, physical, chemical and biological factors influencing sustainable groundwater resources, including hydrologic linkages and interactions with surface aquatic resources. Emphasis will be on the karst aquifer systems of Central Texas, and other groundwater aquifer systems of the United States.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 7469. Introduction to Ecological Modeling.
Mathematical models range from simple conceptual models to complex mechanistic models for mimicking behavior of natural systems. This course provides a broad overview of modeling objectives, techniques and assumptions, as well as the practical skills needed to conduct modeling projects. Computer applications emphasized. Prerequisite: MATH 2471 with a grade of "C" or better or instructor approval.
4 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7470. Limnology.
Physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnology sampling methods, chemical and biological analysis of samples, and hydrographic surveying are included in the laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7471. Reservoir Ecology.
Study of the physical, geological, chemical, and biological factors that influence and form structural and functional aspects of reservoir ecosystems. Lab focuses on field, laboratory, and mathematical approaches to quantifying and managing these important ecosystems. Field trips may be required. Prerequisite: [BIO 4470 with a grade of "D" or better] or [BIO 5470 with a grade of "C" or better] or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 7475. Restoration of Polluted Aquatic Resources.
Overview of methods for treating or restoring aquatic resources degraded by pollution and related anthropogenic impacts. Topics include point and nonpoint source pollution of surface waters and groundwater aquifers, pollution from storage and waste disposal sites, aquatic habitat rehabilitation, and on-site methods. Field trips may be required. Prerequisite: BIO 7356 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7599A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7699A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7999A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Chemistry (CHEM)

CHEM 7330. Environmental Chemistry.
An introduction to environmental chemistry, with an emphasis on aquatic resources. Basic principles of geochemistry and atmospheric chemistry, as they relate to pollutant impacts on aquatic ecosystems, also will be examined. Prerequisites: CHEM 2142 and CHEM 2342 and CHEM 3410 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

English (ENG)

ENG 7300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7314. Specializations in Professional and Technical Communication Topics.
Provides theoretical and practical information for specialized types of technical and professional communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7316. Foundations in Rhetoric and Composition.
A course providing students with theoretical, pedagogical, and/or methodological foundations in the field of rhetoric and composition. Emphases vary but may include Contemporary Composition Pedagogy, Basic Writing Theory and Practice, and Writing Assessment. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7317. Specializations in Rhetoric and Composition.
A course providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Across the Curriculum, Service Learning, Writing Center Theory and Practice, Computers and Writing, Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Techinical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Geography (GEO)

GEO 7190. Independent Study.
Research in geography under the direction of a supervising professor. Repeatable once for additional credit with a different topic.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7199A. Dissertation.
Original research and writing in Geography is to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7199B. Dissertation.
Original research and writing in Geographic Education is to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7199C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7290. Independent Study.
This course is designed to provide a student with credit while conducting independent research in consultation with his or her research advisor. Repeatable once for additional credit with a different topic.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7299A. Dissertation.
Original research and writing in Geography to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7299B. Dissertation.
Original research and writing in Geographic Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7299C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7300. Advanced Geographic Research Design.
The purpose of this course is to develop an appreciation for the process of research as practiced by contemporary professional geographers. Topics covered include formulating research problems, reviewing and critiquing published literature, developing and executing a research design, and completing a research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7301. Advanced Quantitative Methods in Geography.
How to mathematically and statistically model geographic problems is the focus of this course. The application of multivariate statistical techniques to geographic problems and the problems that spatial data create in the application of statistical and other quantitative techniques are central issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7302. Nature and Philosophy of Geography.
This course is a critical analysis of the historical development of geographic thought: its roots, its present status, and future directions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7304. Qualitative Research Methods.
This course introduces the qualitative research paradigm, including research design, methods of data collection, and inductive analysis. Standards of scientific research that call for a deeper evaluation of complex social relationships are emphasized. The focus and application will be oriented towards human geography and nature-society relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7305. Historical Geography of the American Environment.
This course examines the spatial evolution of environmental problems in the United States using the techniques and analytical perspectives of historical geography. Special emphasis is given to the emergence of environmental problems in the context of urbanization and industrialism. The course will expose students to the most significant work by geographers in this area to date, and to the historical development of environmental geographic analysis in the U.S.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7308. Advanced Regional Field Studies.
Advanced study of geographic phenomena during field excursions to a particular site or region. Course includes preparation of site inventory, site guides, and on-site presentations. Repeatable once for additional credit with a different site or region.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7313. Environmental Systems.
Theories and concepts involved in environmental systems will be examined. Tools and research issues relevant to their analysis will also be explored. Basic principles, as well as specific research questions and techniques, will be proposed to give students a foundation for analysis of current issues involving environmental systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7314. Geography of Resource Development.
This course will provide a detailed and in-depth analysis of theories, policies, and practices regarding resource development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7316. Remote Sensing and the Environment.
A detailed examination and implementation of sophisticated approaches for processing satellite digital images with emphasis on environmental applications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7318. GIS and Environmental Geography.
This course examines the nature of environmental problems and explores the potential of GIS for environmental modeling and management. The conceptual basis for using GIS as well as the framing of environmental research problems will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7330. Geography of Hazards.
This seminar examines research on issues related to the geography of hazards. Topics will be determined by instructor and student interests. Special emphasis will be placed on conceptual, theoretical, and methodological approaches to advance the study of spatial aspects of hazards such as risk, vulnerability, resilience, relief, recovery, and change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7334. Geographic Aspects of Water.
This seminar is a critical analysis of developmental and current literature that define water's critical role in determining the physical and cultural characteristics of the earth. Principal focus will be placed on water's role on land use and as a critical resource.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7341. Urban Environment.
Students in this course will critically engage with scholarly and governmental research relating to urban environments, urban environmentalism, and urban environmental management. Emphasis is placed on students developing and executing a unique, topically relevant research project aimed at improving our understanding of the way in which human-environment interaction influences, and is influenced by, urban geography and the urban experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7342. Theories and Methods in Geographic Education.
This seminar is a critical analysis of previous and current literature concerning problems in pedagogy, philosophy, learning theory, research methods, teaching methodologies, and techniques of geographic education. A research paper will be required of each student on a topic related to the course content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7344. Seminar in Geographic Curriculum.
The seminar will be a survey and discussion of major curricula in geographic education. Geography will be viewed as a school subject that is part of the social studies, as an element of interdisciplinary studies, and as a stand alone subject.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7346. Standards and Assessment in Geography.
An introduction to assessment procedures in geography education is central to the course. Analysis of national standards in geography and how they have affected geographic learning in grades K-12 will be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7348. Ethnic Geography.
This course will engage student in the in-depth critical analysis of the theories and methods of ethnic geography. The students will conduct careful research on a topic in ethnic geography. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 7349. Population Geography.
An in-depth study of the growth, movement, and spatial distribution of human populations is the central theme. Students will read and discuss professional articles that stress both theory and analytical techniques. Topics will include population growth and the environment, rural and small town depopulation, spatial diffusion processes, migration trends and theories, urban population growth, and techniques such as multivariate analysis and population projections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7350. Practicum in Teaching Geography.
This course introduces key concepts in teaching geography and provides regular training and planned periodic evaluations of instructional responsibilities. Course topics include instructional and assessment strategies in geography and classroom management. This course is required for first-year instructional assistants in the Geography Department. Students do not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

GEO 7361. Advanced Geographic Information Systems.
This course provides exposure to advanced topics in GIS, particularly to quantitative methods and techniques for developing and interpreting models of natural and anthropogenic phenomena over the geographical space.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7362. Geographic Visualization.
This course focuses on the interdisciplinary field of Geographic Visualization. Students will review visualization research in computer graphics, human computer interaction, GIScience, and cartography and relate the research approaches to useful and usable geographic visualizations. Prerequisite: GEO 3411 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7364. Geocomputation.
Geocomputation reviews and analyzes concepts of computational modeling in Geography. The course will include modeling theory and advanced topics such as parallel processing, neural networks, cellular automata, scientific visualization, and fuzzy modeling. Students will practice model development, specifically spatially explicit simulation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7365. Theoretical Cartography.
This course focuses on theoretical developments in cartography, and in particular looks at the role of maps and other graphic devices as tools for the discovery, analysis, and communication of geographical knowledge. Prerequisite: GEO 3411 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7366. Advanced Topics in Remote Sensing.
The course focuses on advanced topics including the theoretical basis, mathematical foundations, and current research frontiers in remote sensing. Prerequisite: GEO 5415 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7370. Advanced Seminar in Environmental Geography.
This research seminar focuses on the methods, approaches, issues, and concepts of major themes in environmental geography. Special emphasis will be placed on theoretical and conceptual understandings of how humans interact with the environment from a geographical perspective. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7371. Advanced Seminar in Geographic Education.
This research seminar analyzes literature and research into recent trends in geographic education. Emphasis will be on new developments in curriculum, content, and teaching methodologies. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7372. Seminar in Geographic Information Science.
This course deals with advanced and current research issues in Geographic Information Science. Based on this objective, the course aims at educating doctoral students to conduct research in Geographic Information Science as well as develop innovative applications of Geographic Information Science. May be repeated for credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7390. Independent Study.
Research in geography under the direction of a supervising professor. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7391. Foundation Studies in Geography.
Students develop knowledge and skills required for success in graduate-level coursework in Geography. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

GEO 7393B. Biogeography in Mountain Environments.
This course examines how plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms and geological factors affect spatial distribution of animals and plants; all within the environmental limitation and conditions of mountains. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

GEO 7393C. Managing Urbanization.
This course examines survey methods and procedures related to managing and preparing for urban growth. Selected topics for examination include transportation planning, housing, historic preservation, and environmental design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393D. International Migration.
This course provides a survey of geographic and social science research conducted across various topics of international migration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393E. Geography of Land Mangagement.
This course explores U.S. land management philosophies, techniques, and development approaches. Major topics include land ethics/philosophies, U.S. traditions in cadastral geography, urban sprawl and green development, land conservation techniques, the role of local/state/federal regulation in land management, and the human-environment impacts of land development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393F. Gender and Development.
This course is a survey of geographic and social science research conducted across various topics of gender studies and international development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393G. Political Geography.
This course is a survey of geographic and social science research conducted across various topics of political geography.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393I. Contemporary Topics in Geography Education.
This course will be a survey of recent initiatives in geography education. This course will focus on areas such as research, assessment, and the development and use of instructional materials in relation to the National Science Foundation funded "Road Map for 21st Century Geography Education".
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393J. Soil and Society.
This course explores the importance of soil resources for environmental and socioeconomic sustainability. Soil science will be introduced, but the majority of the course will focus on soil's value to societies. Specific topics that will be explored include soil geography, historical abuses of soil resources, and current conservation efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393K. Biogeomorphology.
This course will examine the ways in which plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms, and geological factors affect spatial distributions of animals and plants. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393L. Lidar.
This course is an introduction to Light Detection and Ranging (lidar) systems for mapping and analysis. Students will learn to successfully apply knowledge of lidar sensors and technology for a variety of geographic information science applications. Students must have prior knowledge and experience with GIS analysis and mapping tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393M. Global Climate Change.
This course examines various implications of global climate change, including impacts on science, politics, and society. Emphasis will be placed on anthropogenic influences across the 20th and 21st centuries, contemporary mitigation options, and future adaptation strategies amidst a complex and dynamic climate system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393N. Rivers and Society.
This course examines river system processes and how they are influenced by human activities. We will discuss the principles and practices of large-scale river basin management with an emphasis on the different perspectives and motivations driving different management goals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393O. Exploring Spatial Databases.
This course covers principles of spatial ontologies and spatial semantics to facilitate appropriate database conceptualization, design and implementation. Course assignments and projects will provide in-depth experience with database query languages. Many DBMSs will be reviewed, but practical work will be completed with RDBMSs. Prerequisite: GEO 5418 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393P. Advanced Seminar in Human Geography.
This course will engage students in systematic critical analysis of the theories and methods of human geography. The students will conduct careful research on a topic in human geography.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393Q. Geomorphology in the Anthropocene.
This course will examine the ways in which humans interact with and affect geomorphological processes and landforms, and how humans directly act as geomorphological agents. The level at which human activities have transformed the surface of the Earth will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393R. Social Theory, Space and Geography.
This course examines key texts and concepts in social and political theory, focusing on theories of space and their mobilization in geographical research. Space and geography are approached with respect to several topics, including structuralism and agency; feminist theory and embodiment; assemblage thinking and actor-network theory; governance; and scale.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7399A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7399B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7399C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7415. Geographic Applications of Remote Sensing.
Students will focus on geographic applications of the principles and practices of digital image processing, classification, and modeling using satellite images.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7417. Geographic Information Systems.
Course is concerned with the analysis of interpretation of maps stored in digital form. Students are introduced to the concepts involving computerized cartographic and geographic data input, storage and retrieval, data manipulation and analysis, graphic and tabular report generation, and cartographic modeling.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7418. Technical Foundations and Methods in Geographic Information Science.
This course addresses technical foundations and methods in management, analysis, visualization, and dissemination of geographically-referenced data and information in digital form. Topics include data structures, algorithms, and a variety of methods used in GIS and spatial data analysis.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7430. Field Methods.
Methods and techniques for observing, measuring, recording, and reporting on geographic phenomena are investigated in this course. Students will learn the use of instruments and materials in the collection of data for mapping and field research in the local area. Prerequisites: GEO 2410 and GEO 3301 both with grades of "D" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7447. Spatial Graphics in Geographic Education.
This course examines traditional and innovative geoinformation and geovisualization technologies and their relationship to spatial thinking and the teaching and learning of geography. The course reviews academic literature, research methods, and teaching methodologies related to spatial graphics in geographic education. The lab portion provides geovisualization design skills for geographic education.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7599A. Dissertation.
Original research and writing in Geography to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7599B. Dissertation.
Original research and writing in Geographic Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7599C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Philosophy (PHIL)

PHIL 7101. Responsible Conduct of Research and Research Ethics.
In this course students will examine issues, concepts, and cases in research ethics and the responsible conduct of research. Designed to meet NSF and NIH requirements for training, topics will include research integrity, conflicts of interest, authorship, peer review, human and animal experimentation, mentorship, data, and values in science. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHIL 7323. Environmental Ethics and Sustainable Aquatic Resources.
Examination of the ethical implications of environmental use and management policies and practices, with emphasis on sustainable aquatic resources.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 7355. Philosophy of Science.
Students in this course will investigate the nature and processes of scientific inquiry; the role of values in generating and using scientific knowledge; some of the fundamental concepts in science, including relevant evidence, induction, explanation; and the intellectual commitments made when accepting a scientific theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Doctor of Philosophy (Ph.D.) Major in Aquatic Resources and Integrative Biology (Entering with Bachelor's Degree)

Sustainable freshwater resources provide a foundation for aquatic and terrestrial ecosystems, as well as human use and economic development. However, inadequate understanding of aquatic resources and a prevailing inability to properly integrate scientific, technical, and socioeconomic elements continues to seriously hinder the goal of providing sustainable aquatic resources, not only in Texas but across the nation and around the world.

Educational Goal

The doctoral program emphasizes original research and is designed to provide depth and breadth of knowledge in the field of aquatic resources and related disciplines, including basic and applied research, management, and policy. Students will work, both independently and with other specialists, in a multidisciplinary environment to identify and solve

complex problems and issues relevant to the sustainable use of aquatic resources.

Department Policies

Each doctoral student will develop a program of research and study in consultation with their Ph.D. advisor and the doctoral program director and approved by the dean of The Graduate College. This program will include a set of core courses and an appropriate selection of elective courses necessary to provide the student with the scientific expertise and knowledge to work independently and with others in a multidisciplinary environment to address the range of issues constituting sustainable aquatic resources.

Prospective students must contact doctoral faculty members to identify an individual willing to serve as their major advisor prior to submitting their application to the graduate program. A list of faculty and their research areas is available at http://www.bio.txstate.edu/Graduate-Programs/Ph-D--Aquatic-Resources.html.

Financial Assistance

Assistantships and scholarships are available to qualified applicants. The Department of Biology offers doctoral instructional assistantships and teaching assistantships on a competitive basis to full-time students enrolled in the aquatic resources Ph.D. program. Detailed information on the department's assistantship policy is included in the Department's Graduate Guide. The office of The Graduate College can provide further information regarding scholarships.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in biology, chemistry, engineering, geology, or a related natural science field from a regionally accredited university. Applicants with backgrounds in other disciplines will be considered on a case-by-case basis.
- official transcripts from **each institution** where course credit was granted
- minimum 3.5 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- mentor communication (intent to mentor letter) sent directly from a doctoral faculty member within the Aquatic Resources and Integrative Biology Program
- resume/CV summarizing educational and professional accomplishments
- statement of purpose describing professional aspirations and rationale for pursuing a doctoral degree in aquatic resources
- three letters of recommendation addressing the substance and quality of the student's preparation for doctoral study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Aquatic Resources and Integrative Biology requires 91 semester credit hours, including a dissertation. The selection of electives should be made in consultation with the student's Ph.D. advisor and the program director.

Code	Title	Hours
Required Courses		
BIO 7102	Seminar in Aquatic Resources (Taken twice)	2
BIO 7303	Research (Taken three times)	9
BIO 7405	Statistics and Experimental Design I	4
or BIO 7406	Statistics and Experimental Design II	
BIO 7312	Government Policy and Aquatic Resources	3
BIO 7310	Global Aquatic Resources	3
PHIL 7323	Environmental Ethics and Sustainable Aquatic Resources	3
Techniques		
BIO 7401	Assessment Techniques for Aquatic Resources	4
or BIO 7402	Molecular Field Techniques	
Electives		
Choose 48 hours from the following:		48
BIO 7114	Collaborative Research	
BIO 7120	Population Biology Seminar	
BIO 7214	Collaborative Research	
BIO 7308	History of Vegetation and Climate	
BIO 7314	Collaborative Research	
BIO 7324	Natural History and Conservation of Large Mammals	
BIO 7325	Wildlife and Recreation: Impact, Policy, and Management	
BIO 7328	Integrated Waterbird Management	
BIO 7336	Evolutionary Ecology	
BIO 7346	Conservation Biology	
BIO 7348	Aquatic Resources Economics	
BIO 7350	Aquatic Resources Law	
BIO 7353	Biogeography	
BIO 7355	Plant-Water Relations	
BIO 7356	Pollution of Aquatic Ecosystems	
BIO 7360A	Industry and Sustainable Aquatic Resources	
BIO 7360B	Environmental Linkages and Sustainable Aquatic Resources	

BIO 7360C	Role of State and Federal Courts in Protection and Maintnance of Aquatic Resources
BIO 7360D	Special Topics in Aquatic Resources: Evolutionary Ecology
BIO 7360E	Advances in Water Quality Investigations
BIO 7360F	Special Topics in Aquatic Resources: Approaches to Aquatic Resource Modeling
BIO 7360G	Molecular Techniques in Microbial Ecology
BIO 7360H	Parasites and Diseases fo Fishes and Other Aquatic Animals
BIO 7360I	Bayesian Statistics for Biology
BIO 7360K	Evolution
BIO 7360L	Special Topics in Aquatic Resources: Landscape & Biogeography of Texas
BIO 7360M	Wetland Ecology
BIO 7360N	Behavioral Ecology
BIO 7360P	Special Topics in Aquatic Resources: Regulation of Plant Growth and Development
BIO 7360Q	Special Topics in Aquatic Resources: Spatial Ecology of Animals
BIO 7360R	Special Topics in Aquatic Resources: Community and Ecosystem Ecology
BIO 7360S	Soil Biology
BIO 7360T	Special Topics in Aquatic Resources: Karst Hydrogeology and Geomorphology
BIO 7360U	Sustainability in a Changing World
BIO 7360V	Techniques in Aquatic Biology
BIO 7366	Integrated Water Resources Management
BIO 7367	Behavioral Ecology
BIO 7407	Instrumentation for Water Quality Analysis
BIO 7408	Fish Ecology and Conservation
BIO 7410	Aquatic Microbial Ecology
BIO 7412	Environmental Hydrology
BIO 7415	Ichthyology
BIO 7419	Stream Ecology
BIO 7421	Landscape Dynamics
BIO 7422	Wetlands Ecology
BIO 7424	Phycology
BIO 7426	Ecology and Management of Aquatic Macrophytes
BIO 7427	Principles of Population Biology I
BIO 7428	Principles of Population Biology II
BIO 7433	Population Genetics
BIO 7434	Herpetology
BIO 7440	Aquatic Toxicology
BIO 7447	Microbial Physiology and Genetics
BIO 7466	Phylogenetics
BIO 7468	Groundwater Resources
BIO 7469	Introduction to Ecological Modeling
BIO 7470	Limnology
BIO 7471	Reservoir Ecology
BIO 7475	Restoration of Polluted Aquatic Resources
CHEM 7330	Environmental Chemistry
ENG 7314	Specializations in Professional and Technical Communication Topics
GEO 7316	Remote Sensing and the Environment
GEO 7318	GIS and Environmental Geography
GEO 7334	Geographic Aspects of Water
GEO 7417	Geographic Information Systems
Dissertation	
Choose a minimum of 15 hours from the following:	15
BIO 7199A	Dissertation in Aquatic Resources
BIO 7299A	Dissertation in Aquatic Resources
BIO 7399A	Dissertation
BIO 7599A	Dissertation in Aquatic Resources
BIO 7699A	Dissertation
BIO 7999A	Dissertation in Aquatic Resources
Total Hours	91

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Advancement to Candidacy

Application for Advancement to Candidacy

Students can download the "Application for Advancement to Candidacy" from The Graduate College website or they can obtain a copy from the program director. The student should complete and sign the upper portion of the form and return it to the program director. When all requirements for admission to candidacy have been met (completion of core course work, submission of an approved dissertation proposal, and completion of the comprehensive examination), the program director will forward the Application for Advancement to Candidacy form to the dean of The Graduate College for review and approval.

Advancement to Candidacy Time Limit

Students entering the doctoral program in Aquatic Resources and Integrative Biology with a master's degree and receiving departmental support are expected to take the Advancement to Candidacy Comprehensive Examination by the end of their second year in the program; students entering with a bachelor's degree and receiving departmental support are expected to take the examination by the end of their third year. All students are expected to have passed the Advancement to Candidacy Comprehensive Examination within one calendar year of completing the core course work required by their degree audit. This expectation holds for both full-time and part-time students. Requests for a time extension must be submitted to the program director by the student's Ph.D. advisor and approved by the graduate committee.

No credit will be applied toward a student's doctoral degree for course work completed more than four years before the date on which the student is admitted to candidacy. This time limit applies to course credit earned at Texas State, as well as course credit transferred to Texas State from other accredited institutions.

Grade-Point Requirements for Advancement to Candidacy

A minimum GPA of 3.0 on all course work undertaken as a graduate student in the Aquatic Resources and Integrative Biology doctoral program is required for admission to candidacy. No grade below "B" on

any graduate course work may apply toward the Ph.D. degree at Texas State.

Incomplete grades must be cleared through the office of The Graduate College at least ten days before approval for advancement to candidacy will be granted.

Advancement to Candidacy Comprehensive Examination

Students in the doctoral program are required to pass a comprehensive examination that will assess the student's preparedness to carry out the proposed plan of dissertation research. Students taking the Advancement to Candidacy Comprehensive Examination must have completed all required core and background courses as prescribed in their degree audit. Detailed information on the examination procedure can be found in the Department of Biology's *Guide to Graduate Study* or obtained from the program director.

The Advancement to Candidacy Comprehensive Examination will consist of both written and oral components. The written component of the examination will consist of questions submitted by the dissertation committee members and will be administered by the program director. Successfully passing the written component of the examination requires positive votes from all members of the dissertation committee.

Successful completion of the written portion of the candidacy exam must be followed within thirty days by an oral presentation and defense of the dissertation proposal. The oral component of the Advancement to Candidacy Comprehensive Examination will entail a public seminar presentation of the student's dissertation proposal, followed immediately by a closed defense of the proposal attended only by the student and his or her dissertation committee. Both the presentation and defense must take place on the same day. Successfully passing the oral examination requires positive votes from all members of the student's dissertation committee.

Dissertation Proposal

A dissertation proposal prepared by the student and approved by the student's Ph.D. advisor and all other members of the dissertation committee is a requirement for advancement to candidacy status. The proposal must outline the substance and scope of the dissertation research, present the methodology to be used, and survey the relevant literature. The student's Ph.D. advisor and other dissertation committee members must indicate approval of the dissertation proposal on the "Dissertation Proposal form" which can be downloaded from The Graduate College website or obtained from the program director. A final copy of the dissertation proposal, accompanied by the signed approval form, must be turned in to the program director, who will forward it to the dean of The Graduate College for review and final approval.

Recommendation for Advancement to Candidacy

The dissertation committee recommends the applicant for advancement to candidacy after completing the "Doctoral Comprehensive Examination Report" which can be downloaded from The Graduate College website or obtained from the program director. The results of the Advancement to Candidacy Comprehensive Examination and the Application for Advancement to Candidacy must be filed in the office of The Graduate College before the dean of The Graduate College gives final approval to candidacy. The program director is responsible for submitting these forms to the office of The Graduate College.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must represent an original contribution to scholarship based on independent investigation. Preparation of the dissertation should follow the guidelines in the current edition of the *CBE* (*Council of Biology Editors) Style Manual* or in an appropriate professional journal in the designated field, as deemed acceptable by the dissertation committee.

Dissertation Enrollment Requirements

After being admitted to candidacy, students must be continuously enrolled for dissertation hours each term until the defense of their dissertation. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred. Students must complete a minimum of 15 semester hours of dissertation research and writing credit.

Dissertation Time Limit

Students are expected to complete the dissertation within three years of advancement to candidacy. Successful completion of the dissertation defense must occur within ten years of the student's entry into the Ph.D. program. Any exceptions to these time limits require the approval of the program director and the dean of The Graduate College. The dissertation committee and the program director will review each student annually to ascertain his or her progress in pursuing the degree, and will consult with the student's Ph.D. advisor and dissertation committee on this matter as appropriate.

Dissertation Committee

The dissertation committee is responsible for the Advancement to Candidacy Comprehensive Examination and will oversee the research progress of a doctoral student and the writing of the student's dissertation. The committee will consist of at least five members, including the student's Ph.D. advisor, two other Texas State biology doctoral faculty members, and two external doctoral-level members, at least one of whom must be from an institution other than Texas State. The student's Ph.D. advisor will chair the committee and will normally be from the major department. The student, program director, department chair, and the dean of The Graduate College will approve the composition of the dissertation committee. The student is responsible for obtaining committee members' signatures on the "Dissertation/Research Advisor Assignment form" and the "Dissertation Committee Request form," which can be downloaded from The Graduate College website.

Committee Changes

Any changes to the dissertation committee must be submitted for approval to the dissertation committee chair, the doctoral program director, the department chair, and the dean of The Graduate College. Changes must be submitted no less than sixty days before the dissertation defense. The "Dissertation Advisor/Committee Member Change Request form" may be downloaded from The Graduate College website.

Dissertation Defense

The dissertation defense will consist of two parts. The first part is an oral presentation of the dissertation research as a public seminar that should be given as part of the department's weekly seminar series. The second

part of the defense is restricted to the student's dissertation committee and will entail an oral examination over the dissertation research.

The oral examination over the dissertation research may not be scheduled until all other academic and program requirements have been fulfilled. A complete draft of the dissertation must be given to the members of the dissertation committee at least 65 days before the date of commencement during the semester in which the student intends to graduate. After committee members have reviewed the draft with the student and provided comments, the student, in consultation with the Ph.D. advisor, will incorporate the recommended changes into a second draft of the dissertation. When each committee member is satisfied that the draft dissertation is defendable, the oral examination may be scheduled. The full committee, including all external members, must be present. Approval of the dissertation requires positive votes from all members of the dissertation committee. At the conclusion of the defense, a "Dissertation Defense Report form" — which can be downloaded from The Graduate College website — must be completed, signed by all committee members, and submitted to the program director, who will forward it to the dean of The Graduate College for review and final approval. Specific information on the examination procedure can be found in the Department of Biology's *Guide to Graduate Study* or obtained from the program director.

Approval and Submission of the Dissertation

Following approval and signing of the dissertation by the members of the dissertation committee and submission of the "Dissertation Defense Report form", the student must submit one copy of the dissertation and the signed "Thesis/Dissertation Committee Approval" form to The Graduate College. Specific guidelines for approval and submission of the dissertation can be obtained from The Graduate College.

Doctoral courses in Biology (and other related departments): BIO (p. 2317), CHEM (p. 2325), ENG (p. 2325), GEO (p. 2326), PHIL (p. 2331)

Courses Offered

Biology (BIO)

BIO 7100. Professional Development.
This course is seminar-based and covers topics related to teaching, research, and employment responsibilities. Completion of the course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

BIO 7102. Seminar in Aquatic Resources.
Interactive discussion of timely issues and problems, designed to introduce students to the range of scientific, socioeconomic and policy issues likely to be encountered within the field of aquatic resources. All students seeking a doctoral degree in Aquatic Resources must enroll in BIO 7102 at least twice.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

BIO 7103A. Ecology and Society.
Interactive discussion on relationships between society and the life-supporting ecosystems on which humans depend. Topics include roles of naturalsystems in social systems; effects of social, economic and political institutions on ecological systems and services; and the means by which humans develop and sustain desired ecological and social states.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103B. Aquaculture.
The course comprises a survey of aquaculture production throughout the world. It also examines and discusses the impacts of aquaculture on nutrition, fisheries and the economy.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103C. Marine Pollution.
This course will be an interactive discussion of scientific literature on the bioaccumulation and trophic transfer of pollutants in the marine environment. Topics will include metals, oil, PCBs and emerging contaminants.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7103D. Molecular Biology of the Cell.
Interactive discussion of current literature on molecular biology of the cell. The course is designed to discuss concepts and their applications and methodology associated with the structure and function of the cell at cellular and molecular level.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103E. Contemporary Problems in Ecology.
This course is an interactive discussion of the theoretical foundations and empirical basis for controversial topics in ecology, designed to develop critical thinking skills, and the ability to evaluate and integrate the biological, chemical and physical factors that affect the structure, functions, and interactions characterizing communities and ecosystems.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103F. Molecular Genetics of Plant Development.
The study of plant development is rapidly changing as plant genome projects discover a multitude of new genes, and their expression and interaction patterns are understood. This course is designed to discuss concepts in plant development, and developmental processes as pathways of gene regulatory activities.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103G. Ecohydrology.
A review of the concept of ecohydrology, its scientific foundation, and its ecological-hydrological linkages. Current topics in ecohydrology in the literature will be discussed, including manipulation of biota and hydrology interactions in a landscape, and the possibility of augmenting the resilience of ecosystems to anthropogenic changes.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103H. Integrated Waterbird Management.
This course focuses on the ecology and management of waterbirds, with an emphasis on the inland and coastal waterbirds of Texas. The basic ecology of waterbirds, waterbird management techniques, and waterbird habitat management will be discussed.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103I. Avian Ecology and Evolution.
This course is an interactive discussion of avian ecology and evolution, providing students with a critical examination of theories, hypotheses, and lab and field-based data that support or refute there hypotheses. This course also discusses peerreviewed literature that challenges some paradigms in avian ecology and evolution.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7114. Collaborative Research.
This course (concurrent enrollment allowed) allows Ph.D. level graduate students to initiate, conduct, and participate in collaborative research with graduate faculty of the Department of Biology that is in addition to research conducted under BIO 7303, BIO 7399A, or BIO 7699A. This course recognizes the collaborative nature of scientific investigation.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 7120. Population Biology Seminar.
This course facilitates exploration of current topics in population and conservation biology through reading and discussion of contemporary primary and secondary literature.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7199A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7214. Collaborative Research.
This course (concurrent enrollment allowed) allows Ph.D. level graduate students to initiate, conduct, and participate in collaborative research with graduate faculty of the Department of Biology that is in addition to research conducted under BIO 7303, BIO 7399A, or BIO 7699A. This course recognizes the collaborative nature of scientific investigation.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7299A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7300. Communicating Science.
This course explores how to successfully disseminate science through visualizations, oral presentations, and written works to multiple audiences. Special emphasis will be placed on communicating with the general public, media, granting agencies, and science peers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7301. College Science Teaching.
This course is designed for graduate students in the sciences who are interested in improving their science teaching and/or are interested in pursuing careers in academia. This course focuses on the central question, "How do college students best learn science, and thus how do we best teach them?".
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7302. Problems in Aquatic Resources.
Individual study on specific state, national, or international aquatic resources issues, under direct supervision of a doctoral or associate faculty member. Students may not enroll in BIO 7302 more than twice for doctoral credit without the approval of the Graduate Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7303. Research.
Research course for students who have not yet passed their Candidacy Exam, typically under direction of research-dissertation supervisor. Pre-candidacy students must enroll in course every semester until admission to Candidacy, although it may not be taken more than three times for doctoral credit without the approval of Graduate Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7308. History of Vegetation and Climate.
An overview of past vegetation and its relationship to changing climate. Topics include principles of paleovegetation analysis, paleoclimatology, the rise of flowering plants, vegetation during the age of dinosaurs, the rise of the grasslands, and the Quaternary Ice Age. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7310. Global Aquatic Resources.
Introduction to global, national, and regional aquatic resource issues, including scientific, environmental policy and socioeconomic components and perspectives. Water quantity and quality issues and their root causes in different regions of the world are examined, with an emphasis on case studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7312. Government Policy and Aquatic Resources.
Examination of aquatic resources issues in federal, state, or local governments, including examination of goals and relations of different governmental entities to each other. Relevant international treaties, and federal and state statutes in which these policies are embodied, are examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7314. Collaborative Research.
This course (concurrent enrollment allowed) allows Ph.D. level graduate students to initiate, conduct, and participate in collaborative research with graduate faculty of the Department of Biology that is in addition to research conducted under BIO 7303, BIO 7399A, or BIO 7699A. This course recognizes the collaborative nature of scientific investigation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7322. Scientific Method and Aquatic Resources.
Analysis of the scientific method applied to ecological research, focusing on aquatic ecosystems. Topics include methods of reasoning and statistical inferences in research, strategies of scientific research in aquatic ecology, and scientific research as a social process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7325. Wildlife and Recreation: Impact, Policy, and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented. Prerequisite: BIO 4416 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7326. Immunobiology.
This lecture-based course will cover the mechanisms and biology of the innate and adaptive immune system. Emphasis will include relationship to cancer, transplantation, hypersensitivity (allergy), and disease. Students will evaluate current research in immunology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7328. Integrated Waterbird Management.
This course examines the principles and practical methodology of integrated waterbird conservation and management, including overview of waterbird ecology, techniques in monitoring and data collection related to population dynamics, and habitat parameters of waterbird species. Field trips may be required.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7336. Evolutionary Ecology.
This course will use an evolutionary perspective to explore questions provided by natural selection and sexual selection through assessment of current theory and research related to topics such as competition, coevolution, and phenotypic plasticity. Students will achieve comprehension and familiarity with the field through discussions and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7342. Virology.
This course examines the structure, multiplication and genetics of bacterial, plant, and animal viruses as well as the role of viruses in human and plant disease. Students are expected to become familiar with the research literature in virology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7346. Conservation Biology.
Examination of the alteration of habitats and associated biological changes threatening the continued existence of species and basic ecosystems. Topics include conservation ethics, working paradigms, levels and loss of global biodiversity, conservation at population and ecosystem levels, restoration ecology, endangered species biology and conservation laws. Recent Advances are stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7348. Aquatic Resources Economics.
Examination of economic and related social issues for facilitation of sustainable aquatic resources for competing beneficial human uses and ecosystem maintenance, including valuation of aquatic ecosystem services. Prerequisite: BIO 7312 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7350. Aquatic Resources Law.
Examination of treaties, state and federal laws, and regional and local regulations, affecting freshwater and coastal aquatic resources. The focus is on aquatic ecosystems, water quantity and quality and environmental conditions, including the availability, storage, use, and protection of aquatic resources. Prerequisite: BIO 7312 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7353. Biogeography.
Examines historical and ecological explanations of the geographic distribution of organisms including the role of geologic, climatic, and biologic changes. Emphasizes the historical and philosophical development of the science and modern methods of analysis.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 7355. Plant-Water Relations.
Examination of the physiology and ecology of water use in higher plants, including the uptake, utilization, and movement of water, transpiration and adaptation to variable water availability including drought, and the ecological role of water in structuring plant communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7356. Pollution of Aquatic Ecosystems.
Overview of the water quality degradation of aquatic ecosystems (rivers, lakes, wetlands, groundwater aquifers) and their living resources from point and nonpoint pollutant sources. Topics will include aquatic ecosystem pollution and impacts attributable to nutrients, heavy metals, organic chemicals, sediment, salinization, and acid rain. Field trips may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7360A. Industry and Sustainable Aquatic Resources.
Examination of industrial water needs and uses, the types and quantities of water pollutants produced by different industries, problems faced by industry regarding process water for different manufacturing activities, and the possibilities for industry to contribute to the goal of sustainable aquatic resources.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360B. Environmental Linkages and Sustainable Aquatic Resources.
Introduction to the environmental relationships between humans and other living beings and the ecological systems in which they exist. Emphasis will be on the potential for individual environmental problems to have serious impacts on other environmental components, as well as the nature of these impacts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360C. Role of State and Federal Courts in Protection and Maintenance of Aquatic Resources.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360D. Evolutionary Ecology.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360E. Advances in Water Quality Investigations.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360F. Approaches to Aquatic Resource Modeling.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360G. Molecular Techniques in Microbial Ecology.
Lectures on molecular techniques used to analyze structure and function of uncultured microbial communities in the environment with selected examples of applications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360H. Parasites and Diseases of Fishes and Other Aquatic Animals.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics
Grade Mode: Standard Letter

BIO 7360I. Bayesian Statistics for Biology.
This course examines the theory and mathematical foundations of Bayesian statistics and provides instruction and experience conducting Bayesian analyses using computer-based procedures. The course emphasizes practical applications for Bayesian statistical procedures for problems in biological sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360K. Evolution.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360L. Landscape and Biogeography of Texas.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360M. Wetland Ecology.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360N. Behavioral Ecology.
Examination of evolutionary implications of behavioral interactions through the assessment of current theory and research related to cooperation and conflict, mating and parental conflict and sexual selection. Class will consist of lectures, discussions of recent primary literature, and scientific writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360P. Regulation of Plant Growth and Development.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360Q. Spatial Ecology of Animals.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course maybe repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360R. Community and Ecosystem Ecology.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360S. Soil Biology.
An introduction to the biology of soil systems, including the roles of biota in forming and maintaining soils, and the interactions between biotic and abiotic components in soils.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360T. Karst Hydrogeology and Geomorphology.
An introduction to, and advanced understanding of, karst hydrogeology, geology, and geomorphology, with emphasis on field and theoretical applications of this information to the study of karst systems, and recognition and understanding of karst landforms at the surface and their relationships with subsurface processes. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360U. Sustainability in a Changing World.
Understanding the ecological-social interface, including policies, product development and actions towards sustainability, with emphasis on integrating and implementing theories and methods across disciplines, and improving the knowledge and experience base for public policy and decision-making regarding human-environment linkages within the context of sustainable development. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360V. Techniques in Aquatic Biology.
The course will provide hands on experience with a suite of physical, chemical, and biological sampling techniques and gear used in applied river studies. Students will be exposed to the fundamentals of data quality objectives, accuracy, precision, detection limits, data visualization, exploratory analysis, univariate and multivariate statistics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360X. Communicating Science.
This course explores how to successfully disseminate science through visualizations, oral presentations, and written works to multiple audiences. Special emphasis will be placed on communicating with the general public, media and granting agencies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360Y. Applied Bioinformatics.
This course provides an introduction to scripting and other computational techniques used for visualizing and analyzing large biological datasets. Computational techniques include sequence and structural alignment, data mining, phylogenetic tree construction, and data clustering using UNIX, Python, and R. Students will gain a solid foundation in broadly applicable bioinformatics skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360Z. College Science Teaching.
This course is designed for graduate students in the sciences who are interested in improving their science teaching and/or are interested in pursuing careers in academia. This course focuses on the central question, "How do college students best learn science, and thus how do we best teach them?".
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7361A. Discipline-Based Educational Research Methods.
This course will expose science graduate students to educational research in a practical setting, supervised by a professor experienced in conducting discipline-based educational research, focusing primarily on qualitative methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7361B. Ecology of Temporary Waters.
The course explores the diversity of temporary bodies of water and of the species that rely on them, including their special adaptations, population and community dynamics, the ecological role of temporary waters, and how these systems are impacted by humans. Background coursework or independent study in ecology is recommended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7361C. Advanced Genomics and Bioinformatics.
This course provides hands-on experience in processing and analyzing data produced from contemporary genomics tools for thesis students with basic bioinformatics training. Prerequisite: BIO 7360Y with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7361D. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and over wintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7362. Environmental Impact Analysis.
Examination of government regulations regarding environmental impact, content of environmental impact statements, procedure for impact studies, application of ecological principles to impact studies, and the review process for environmental impact statements, focusing on aquatic resources.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7366. Integrated Water Resources Management.
Study of principles for integrated management of aquatic ecosystems, including drainage basin, regional, and transboundary dimensions. Other global issues (climate change, biodiversity, etc.) also are discussed as components of integrative approach for multi-functional programs for sustainable use of aquatic ecosystems. Prerequisites: [BIO 7310 and BIO 7412 both with grades of "C" or better] or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7367. Behavioral Ecology.
Examination of the evolutionary implications of behavioral interactions through the assessment of current theory and research related to social behavior, sexual selection and sexual conflict, and mechanisms of behavior. Students will achieve comprehension and familiarity with the historical development of the field of behavioral ecology through discussions and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7399A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7401. Assessment Techniques for Aquatic Resources.
The rationale for designing and implementing monitoring and sampling programs for aquatic resources is examined. General field and laboratory methods for assessing water quantity, water quantity and the status of aquatic ecosystems and their living resources, will be introduced. Field trips will be required.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7402. Molecular Field Techniques.
The application of molecular tools for identifying, quantifying, and interpreting biological diversity assessments in aquatic systems. The course focuses on micro organismal identification and vertebrate model systems.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 7405. Statistics and Experimental Design I.
Introduction to inferential statistics, including exploratory and confirmatory data analysis, estimation and hypothesis testing, analysis of variance and regression, and non-parametric techniques, as applied to aquatic resource issues. Computer applications emphasized.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7406. Statistics and Experimental Design II.
Introduction to the principles of experimental design, including randomization, replication, sample-size determination, completely randomized and randomized block design, factorial design, repeated measure design, and analysis of variance and covariance, as applied to aquatic resource issues. Computer applications emphasized. Prerequisite: BIO 7405 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7407. Instrumentation for Water Quality Analysis.
An introduction to the theory and application of laboratory and field instrumentation and techniques for analysis of water quality. Prerequisite: CHEM 3410 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 7408. Fish Ecology and Conservation.
Examination of the linkages and interactions between fish assemblages and communities and their population ecology. Issues related to flowing and pooled water systems and fisheries conservation also are discussed. Field trips may be required.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7410. Aquatic Microbial Ecology.
Examination of microbial organisms, communities, and interactions affecting the form, structure, and functional aspects of aquatic ecosystems. Field trips may be required. Prerequisite: BIO 2400 with a grade of "D" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7412. Environmental Hydrology.
Overview of the properties, distribution, and movement of water over and under the land surface and its relation to sustainable aquatic ecosystems, including quantitative methods to assess cumulative impacts of human activities on such systems. Field trips may be required. Knowledge of calculus recommended.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7414. Ecology of Infectious Diseases of Wildlife.
Concepts of the ecology of infectioius diseases in wildlife are studied in depth with emphasis on their application to the management and conservation of wildlife species and for the control of zoonotic diseases. Prerequisite: Instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7415. Ichthyology.
An introduction to the morphology, taxonomy, natural history, and evolution of fishes. Field trips will be made to collect specimens, and laboratory periods will be devoted to morphological and systematic analyses.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7419. Stream Ecology.
Study of ecological theories, concepts, and processes occurring at the population, community, and ecosystem levels of organization in running water. Laboratory includes sampling methods, descriptive and comparative studies, experiments, and critical discussion of literature. Field trips may be required.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7421. Landscape Dynamics.
Study of processes influencing energy and material flows, interactions and cycling in aquatic ecosystems, including system and spatial analysis of landscapes, aquatic ecosystems, land use characteristics, and associated human impacts. Field trips may be required. Knowledge of calculus recommended. Prerequisite: BIO 7412 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7422. Wetlands Ecology.
Study of the characteristics, classification, conservation and management of marshes and other periodically-inundated ecosystems, emphasizing the interactions of physical, chemical and biological factors. Field trips may be required. Prerequisite: BIO 4416 with a grade of "D" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7424. Phycology.
Examination of algae (phytoplankton, periphyton) and their structure, taxonomy, ecology and distribution.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7426. Ecology and Management of Aquatic Macrophytes.
Examination of aquatic macrophytes and their ecology, taxonomy, distribution and management. Field trips may be required.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7427. Principles of Population Biology I.
Provides a foundation in theory and mathematics of basic population biology. The course is divided into modular components including defining evolutionary significant units, ecology of populations, genetics of populations, and evolutionary genetics. Prerequisites: BIO 2450 and BIO 4416 both with grades of "D" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7428. Principles of Population Biology II.
Provides a foundation in theory and mathematics of basic population biology. The course is divided into modular components which include: 1) Ecology of Communities, 2) Evolution of Behavior, 3) Phylogenic Methods, and 4) Biological Diversity and Conservation Biology. Prerequisite: BIO 7427 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7430. Mycology.
This course provides an introduction to the organisms in the Kingdom Fungi and to fungus-like organisms, their ecology and evolution, and their role in industry and disease. Special emphasis will be placed on morphology, culturing, and using laboratory techniques for identification.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7433. Population Genetics.
This course examines the theoretical foundations of population genetics, including the description of population genetic structure and the forces creating it. The course emphasizes application of principles to a wide range of current problems in evolution, systematics and ecology. Molecular methods, data interpretation and computer-based data analysis are emphasized.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. While cosmopolitan in scope, emphasis will be placed on North American species and those groups inhabiting Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7440. Aquatic Toxicology.
Introduction to principles for identifying and assessing the adverse effects of chemicals and other compounds and mixtures on aquatic organisms and ecosystems.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 7447. Microbial Physiology and Genetics.
Prokaryotes, including bacteria and archaea, are the most diverse group of organisms on earth. Many prokaryotes live in environments which are inhospitable to other life forms. This course covers major aspects of prokaryotic physiology and genetics that permit them to be so successful. Prerequisites: BIO 2400 and BIO 2450 both with grades of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 7466. Phylogenetics.
Study of the use of phylogenetic methodologies in aquatic research, including practical data collection, management, and analysis in the reconstruction of phylogenies. Laboratory exercises will introduce phylogenetic and DNA analysis software. Prerequisite: BIO 2450 and BIO 4369 and BIO 5466 all with grades of "C" or better or instructor approval.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 7468. Groundwater Resources.
Study of the geological, physical, chemical and biological factors influencing sustainable groundwater resources, including hydrologic linkages and interactions with surface aquatic resources. Emphasis will be on the karst aquifer systems of Central Texas, and other groundwater aquifer systems of the United States.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 7469. Introduction to Ecological Modeling.
Mathematical models range from simple conceptual models to complex mechanistic models for mimicking behavior of natural systems. This course provides a broad overview of modeling objectives, techniques and assumptions, as well as the practical skills needed to conduct modeling projects. Computer applications emphasized. Prerequisite: MATH 2471 with a grade of "C" or better or instructor approval.
4 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7470. Limnology.
Physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnology sampling methods, chemical and biological analysis of samples, and hydrographic surveying are included in the laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7471. Reservoir Ecology.
Study of the physical, geological, chemical, and biological factors that influence and form structural and functional aspects of reservoir ecosystems. Lab focuses on field, laboratory, and mathematical approaches to quantifying and managing these important ecosystems. Field trips may be required. Prerequisite: [BIO 4470 with a grade of "D" or better] or [BIO 5470 with a grade of "C" or better] or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 7475. Restoration of Polluted Aquatic Resources.
Overview of methods for treating or restoring aquatic resources degraded by pollution and related anthropogenic impacts. Topics include point and nonpoint source pollution of surface waters and groundwater aquifers, pollution from storage and waste disposal sites, aquatic habitat rehabilitation, and on-site methods. Field trips may be required. Prerequisite: BIO 7356 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7599A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7699A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7999A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Chemistry (CHEM)

CHEM 7330. Environmental Chemistry.
An introduction to environmental chemistry, with an emphasis on aquatic resources. Basic principles of geochemistry and atmospheric chemistry, as they relate to pollutant impacts on aquatic ecosystems, also will be examined. Prerequisites: CHEM 2142 and CHEM 2342 and CHEM 3410 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

English (ENG)

ENG 7300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7314. Specializations in Professional and Technical Communication Topics.
Provides theoretical and practical information for specialized types of technical and professional communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7316. Foundations in Rhetoric and Composition.
A course providing students with theoretical, pedagogical, and/or methodological foundations in the field of rhetoric and composition. Emphases vary but may include Contemporary Composition Pedagogy, Basic Writing Theory and Practice, and Writing Assessment. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7317. Specializations in Rhetoric and Composition.
A course providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Across the Curriculum, Service Learning, Writing Center Theory and Practice, Computers and Writing, Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Techinical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Geography (GEO)

GEO 7190. Independent Study.
Research in geography under the direction of a supervising professor. Repeatable once for additional credit with a different topic.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7199A. Dissertation.
Original research and writing in Geography is to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7199B. Dissertation.
Original research and writing in Geographic Education is to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7199C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7290. Independent Study.
This course is designed to provide a student with credit while conducting independent research in consultation with his or her research advisor. Repeatable once for additional credit with a different topic.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7299A. Dissertation.
Original research and writing in Geography to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7299B. Dissertation.
Original research and writing in Geographic Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7299C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7300. Advanced Geographic Research Design.
The purpose of this course is to develop an appreciation for the process of research as practiced by contemporary professional geographers. Topics covered include formulating research problems, reviewing and critiquing published literature, developing and executing a research design, and completing a research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7301. Advanced Quantitative Methods in Geography.
How to mathematically and statistically model geographic problems is the focus of this course. The application of multivariate statistical techniques to geographic problems and the problems that spatial data create in the application of statistical and other quantitative techniques are central issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7302. Nature and Philosophy of Geography.
This course is a critical analysis of the historical development of geographic thought: its roots, its present status, and future directions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7304. Qualitative Research Methods.
This course introduces the qualitative research paradigm, including research design, methods of data collection, and inductive analysis. Standards of scientific research that call for a deeper evaluation of complex social relationships are emphasized. The focus and application will be oriented towards human geography and nature-society relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7305. Historical Geography of the American Environment.
This course examines the spatial evolution of environmental problems in the United States using the techniques and analytical perspectives of historical geography. Special emphasis is given to the emergence of environmental problems in the context of urbanization and industrialism. The course will expose students to the most significant work by geographers in this area to date, and to the historical development of environmental geographic analysis in the U.S.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7308. Advanced Regional Field Studies.
Advanced study of geographic phenomena during field excursions to a particular site or region. Course includes preparation of site inventory, site guides, and on-site presentations. Repeatable once for additional credit with a different site or region.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7313. Environmental Systems.
Theories and concepts involved in environmental systems will be examined. Tools and research issues relevant to their analysis will also be explored. Basic principles, as well as specific research questions and techniques, will be proposed to give students a foundation for analysis of current issues involving environmental systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7314. Geography of Resource Development.
This course will provide a detailed and in-depth analysis of theories, policies, and practices regarding resource development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7316. Remote Sensing and the Environment.
A detailed examination and implementation of sophisticated approaches for processing satellite digital images with emphasis on environmental applications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7318. GIS and Environmental Geography.
This course examines the nature of environmental problems and explores the potential of GIS for environmental modeling and management. The conceptual basis for using GIS as well as the framing of environmental research problems will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7330. Geography of Hazards.
This seminar examines research on issues related to the geography of hazards. Topics will be determined by instructor and student interests. Special emphasis will be placed on conceptual, theoretical, and methodological approaches to advance the study of spatial aspects of hazards such as risk, vulnerability, resilience, relief, recovery, and change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7334. Geographic Aspects of Water.
This seminar is a critical analysis of developmental and current literature that define water's critical role in determining the physical and cultural characteristics of the earth. Principal focus will be placed on water's role on land use and as a critical resource.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7341. Urban Environment.
Students in this course will critically engage with scholarly and governmental research relating to urban environments, urban environmentalism, and urban environmental management. Emphasis is placed on students developing and executing a unique, topically relevant research project aimed at improving our understanding of the way in which human-environment interaction influences, and is influenced by, urban geography and the urban experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7342. Theories and Methods in Geographic Education.
This seminar is a critical analysis of previous and current literature concerning problems in pedagogy, philosophy, learning theory, research methods, teaching methodologies, and techniques of geographic education. A research paper will be required of each student on a topic related to the course content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7344. Seminar in Geographic Curriculum.
The seminar will be a survey and discussion of major curricula in geographic education. Geography will be viewed as a school subject that is part of the social studies, as an element of interdisciplinary studies, and as a stand alone subject.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7346. Standards and Assessment in Geography.
An introduction to assessment procedures in geography education is central to the course. Analysis of national standards in geography and how they have affected geographic learning in grades K-12 will be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7348. Ethnic Geography.
This course will engage student in the in-depth critical analysis of the theories and methods of ethnic geography. The students will conduct careful research on a topic in ethnic geography. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 7349. Population Geography.
An in-depth study of the growth, movement, and spatial distribution of human populations is the central theme. Students will read and discuss professional articles that stress both theory and analytical techniques. Topics will include population growth and the environment, rural and small town depopulation, spatial diffusion processes, migration trends and theories, urban population growth, and techniques such as multivariate analysis and population projections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7350. Practicum in Teaching Geography.
This course introduces key concepts in teaching geography and provides regular training and planned periodic evaluations of instructional responsibilities. Course topics include instructional and assessment strategies in geography and classroom management. This course is required for first-year instructional assistants in the Geography Department. Students do not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

GEO 7361. Advanced Geographic Information Systems.
This course provides exposure to advanced topics in GIS, particularly to quantitative methods and techniques for developing and interpreting models of natural and anthropogenic phenomena over the geographical space.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7362. Geographic Visualization.
This course focuses on the interdisciplinary field of Geographic Visualization. Students will review visualization research in computer graphics, human computer interaction, GIScience, and cartography and relate the research approaches to useful and usable geographic visualizations. Prerequisite: GEO 3411 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7364. Geocomputation.
Geocomputation reviews and analyzes concepts of computational modeling in Geography. The course will include modeling theory and advanced topics such as parallel processing, neural networks, cellular automata, scientific visualization, and fuzzy modeling. Students will practice model development, specifically spatially explicit simulation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7365. Theoretical Cartography.
This course focuses on theoretical developments in cartography, and in particular looks at the role of maps and other graphic devices as tools for the discovery, analysis, and communication of geographical knowledge. Prerequisite: GEO 3411 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7366. Advanced Topics in Remote Sensing.
The course focuses on advanced topics including the theoretical basis, mathematical foundations, and current research frontiers in remote sensing. Prerequisite: GEO 5415 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7370. Advanced Seminar in Environmental Geography.
This research seminar focuses on the methods, approaches, issues, and concepts of major themes in environmental geography. Special emphasis will be placed on theoretical and conceptual understandings of how humans interact with the environment from a geographical perspective. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7371. Advanced Seminar in Geographic Education.
This research seminar analyzes literature and research into recent trends in geographic education. Emphasis will be on new developments in curriculum, content, and teaching methodologies. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7372. Seminar in Geographic Information Science.
This course deals with advanced and current research issues in Geographic Information Science. Based on this objective, the course aims at educating doctoral students to conduct research in Geographic Information Science as well as develop innovative applications of Geographic Information Science. May be repeated for credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7390. Independent Study.
Research in geography under the direction of a supervising professor. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7391. Foundation Studies in Geography.
Students develop knowledge and skills required for success in graduate-level coursework in Geography. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

GEO 7393B. Biogeography in Mountain Environments.
This course examines how plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms and geological factors affect spatial distribution of animals and plants; all within the environmental limitation and conditions of mountains. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

GEO 7393C. Managing Urbanization.
This course examines survey methods and procedures related to managing and preparing for urban growth. Selected topics for examination include transportation planning, housing, historic preservation, and environmental design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393D. International Migration.
This course provides a survey of geographic and social science research conducted across various topics of international migration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393E. Geography of Land Mangagement.
This course explores U.S. land management philosophies, techniques, and development approaches. Major topics include land ethics/philosophies, U.S. traditions in cadastral geography, urban sprawl and green development, land conservation techniques, the role of local/state/federal regulation in land management, and the human-environment impacts of land development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393F. Gender and Development.
This course is a survey of geographic and social science research conducted across various topics of gender studies and international development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393G. Political Geography.
This course is a survey of geographic and social science research conducted across various topics of political geography.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393I. Contemporary Topics in Geography Education.
This course will be a survey of recent initiatives in geography education. This course will focus on areas such as research, assessment, and the development and use of instructional materials in relation to the National Science Foundation funded "Road Map for 21st Century Geography Education".
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393J. Soil and Society.
This course explores the importance of soil resources for environmental and socioeconomic sustainability. Soil science will be introduced, but the majority of the course will focus on soil's value to societies. Specific topics that will be explored include soil geography, historical abuses of soil resources, and current conservation efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393K. Biogeomorphology.
This course will examine the ways in which plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms, and geological factors affect spatial distributions of animals and plants. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393L. Lidar.
This course is an introduction to Light Detection and Ranging (lidar) systems for mapping and analysis. Students will learn to successfully apply knowledge of lidar sensors and technology for a variety of geographic information science applications. Students must have prior knowledge and experience with GIS analysis and mapping tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393M. Global Climate Change.
This course examines various implications of global climate change, including impacts on science, politics, and society. Emphasis will be placed on anthropogenic influences across the 20th and 21st centuries, contemporary mitigation options, and future adaptation strategies amidst a complex and dynamic climate system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393N. Rivers and Society.
This course examines river system processes and how they are influenced by human activities. We will discuss the principles and practices of large-scale river basin management with an emphasis on the different perspectives and motivations driving different management goals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393O. Exploring Spatial Databases.
This course covers principles of spatial ontologies and spatial semantics to facilitate appropriate database conceptualization, design and implementation. Course assignments and projects will provide in-depth experience with database query languages. Many DBMSs will be reviewed, but practical work will be completed with RDBMSs. Prerequisite: GEO 5418 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393P. Advanced Seminar in Human Geography.
This course will engage students in systematic critical analysis of the theories and methods of human geography. The students will conduct careful research on a topic in human geography.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393Q. Geomorphology in the Anthropocene.
This course will examine the ways in which humans interact with and affect geomorphological processes and landforms, and how humans directly act as geomorphological agents. The level at which human activities have transformed the surface of the Earth will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393R. Social Theory, Space and Geography.
This course examines key texts and concepts in social and political theory, focusing on theories of space and their mobilization in geographical research. Space and geography are approached with respect to several topics, including structuralism and agency; feminist theory and embodiment; assemblage thinking and actor-network theory; governance; and scale.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7399A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7399B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7399C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7415. Geographic Applications of Remote Sensing.
Students will focus on geographic applications of the principles and practices of digital image processing, classification, and modeling using satellite images.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7417. Geographic Information Systems.
Course is concerned with the analysis of interpretation of maps stored in digital form. Students are introduced to the concepts involving computerized cartographic and geographic data input, storage and retrieval, data manipulation and analysis, graphic and tabular report generation, and cartographic modeling.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7418. Technical Foundations and Methods in Geographic Information Science.
This course addresses technical foundations and methods in management, analysis, visualization, and dissemination of geographically-referenced data and information in digital form. Topics include data structures, algorithms, and a variety of methods used in GIS and spatial data analysis.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7430. Field Methods.
Methods and techniques for observing, measuring, recording, and reporting on geographic phenomena are investigated in this course. Students will learn the use of instruments and materials in the collection of data for mapping and field research in the local area. Prerequisites: GEO 2410 and GEO 3301 both with grades of "D" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7447. Spatial Graphics in Geographic Education.
This course examines traditional and innovative geoinformation and geovisualization technologies and their relationship to spatial thinking and the teaching and learning of geography. The course reviews academic literature, research methods, and teaching methodologies related to spatial graphics in geographic education. The lab portion provides geovisualization design skills for geographic education.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7599A. Dissertation.
Original research and writing in Geography to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7599B. Dissertation.
Original research and writing in Geographic Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7599C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Philosophy (PHIL)

PHIL 7101. Responsible Conduct of Research and Research Ethics.
In this course students will examine issues, concepts, and cases in research ethics and the responsible conduct of research. Designed to meet NSF and NIH requirements for training, topics will include research integrity, conflicts of interest, authorship, peer review, human and animal experimentation, mentorship, data, and values in science. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHIL 7323. Environmental Ethics and Sustainable Aquatic Resources.
Examination of the ethical implications of environmental use and management policies and practices, with emphasis on sustainable aquatic resources.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 7355. Philosophy of Science.
Students in this course will investigate the nature and processes of scientific inquiry; the role of values in generating and using scientific knowledge; some of the fundamental concepts in science, including relevant evidence, induction, explanation; and the intellectual commitments made when accepting a scientific theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Arts (M.A.) Major in Biology

Major Program

Graduate study in biology integrates classroom and field or laboratory experience to help meet the current and future scientific needs of society. The Biology department offers students opportunities to study in the field or in modern facilities with up-to-date instrumentation and resources, including a DNA-sequencing unit, an integrated microscopy facility, high-speed digital networks and computing centers, a GIS lab, greenhouses, wet labs and extensive plant, animal and paleobotanical collections.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials

- baccalaureate degree in biology or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose describing professional aspirations and rationale for pursuing graduate study in biology
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study
- mentor communication (intent to mentor letter) sent directly from a Biology Department faculty member.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Arts (M.A.) degree with a major in Biology requires 30 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
Select one of the following seminar options:		3-4
Option A - Choose 3 hours from the following:		
BIO 5110	Seminar in Biology	
BIO 7102	Seminar in Aquatic Resources	
BIO 7120	Population Biology Seminar	
Option B - Take 2 hours of seminar courses from Option A and:		
BIO 5295	Fundamentals of Research	
Electives		
Choose 15 hours of 5000- or 7000-level BIO courses.		15
May choose 6 hours of advisor-approved electives outside the department.		
Minor		
Choose a 6-hour advisor-approved minor outside the college		6
Thesis		
BIO 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
BIO 5199B	Thesis	
BIO 5299B	Thesis	
BIO 5399B	Thesis	
BIO 5599B	Thesis	
BIO 5999B	Thesis	
Total Hours		30-31

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making

adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Biology: BIO

Courses Offered

Biology (BIO)

BIO 5100. Professional Development.
This course is seminar-based and covers topics related to teaching, research, and employment responsibilities. Completion of the course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis. Graded on a credit (CR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

BIO 5110. Seminar in Biology.
Interactive discussion of timely issues and problems, designed to expose students to the current literature in their fields of interest and its critical analysis. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Header
Grade Mode: Standard Letter

BIO 5114. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5214 and BIO 5314.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5166. Medical Microbiology Laboratory.
This graduate laboratory-based course will cover pathogenic bacteria emphasizing identification of selected groups of pathogens and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5176. Microbial Biotechnology Laboratory.
This laboratory-based course will cover use of microbes for biotechnological applications and is designed to provide practical explorations into fields of biotechnology. Topics include laboratory techniques for recombinant protein purification, fermentation, identification of markers in genetically modified food and bio-remediation of pollutants. Corequisite: BIO 5376.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5214. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5314.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5295. Fundamentals of Research.
Designed to acquaint the beginning graduate student with materials and methods of research in the biological sciences. It is recommended that a graduate student take this course the first semester in residence.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5300. Neurobiology.
This course presents the biology of the nervous system with emphasis on the human nervous system. Topics presented in lecture include neuroanatomy, cellular neurobiology, neurophysiology, developmental neurobiology, and neuronal plasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5301. Evolution.
Basic genetic principles applied to natural selection, adaptation, populations, and speciation. Consideration is given to the origin of life, nature of chromosomal variation, evolution of genetic systems, and certain other selected topics.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5304. Wildlife and Recreation: Impact and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5305. Methods of Nature Study for Teachers.
This course provides a comprehensive survey of natural events. It includes laboratory and field work emphasizing observation, collection and discovery of relationships. It is creditable only for those seeking elementary or middle school certification and is required for those seeking grade 4-8 Science or Science/Mathematics teaching certification. This course must be taken the semester immediately prior to student teaching.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5311. Cancer Biology.
Cancer Biology provides a foundation for understanding the complex molecular, biochemical, and cellular processes associated with cancer development. Topics include the role of tumor suppressor genes, oncogenes, DNA repair, apoptosis, ECM, cell-cycle control, cell signaling pathways, immune function and cancer-causing viruses. Emerging diagnostics and/or therapeutics will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5314. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5319C. Ecotoxicology.
Topics to be covered include sources, types, and fates of toxicants, organism response to toxicants, toxicant effects at the population, community, and ecosystem levels, and monitoring and risk assessment. Examination of current literature will form the core of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5319F. Watershed Management Frameworks and Applications.
Introduction to integrated watershed assessment and management tools for identifying programmatic water quality and quantity issues and their root causes and solutions, and their practical application. The scientific and socio-economic elements are considered within the context of planning and developing watershed protection plans and programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5319G. Omics Approach to Microbiology.
The course will discuss contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5327. Issues in Irish Biodiversity and Conservation.
In this course, students will learn about Irish flora and fauna, ecosystems, conservation strategies in areas of high ecological concern, and public involvement. Emphasis will be placed on case studies and service-learning opportunities. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5328. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5329. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and overwintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5331. Human Dimensions of Wildlife and Fisheries Conservation.
Humans play a role in nearly every aspect of wildlife and fisheries conservation. This course will provide students with principles, concepts, and case studies to understand how the human experience (e.g., culture, politics, economics) influences conservation outcomes. Students will also have an opportunity to integrate human dimensions into local decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5335. Fisheries Management.
An introduction to principles and techniques in fisheries management. Includes the study of artificial reproduction, carrying capacity, productivity, sampling procedures, population estimates, mortality, survival growth rates, and commercial and sport fisheries. (Spring, even years).
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5350G. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their ability to cause disease, emphasizing the biological basis for virulence, and research strategies for investigating infectious diseases. Students may take only one of BIO 5350G or BIO 5445 for credit. Prerequisite: BIO 2400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350I. Emerging Infectious Diseases.
Current topics in the emergence of viral and bacterial diseases in humans. This course will include new diseases, diseases previously seen and increasing in incidence, and diseases not previously seen in this country. This course will be of interest to students who are pursing advanced degrees and courses in microbiology, biochemistry, and cell and molecular biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350J. Environmental Physiology of Animals.
This course is a study of how animals respond physiologically to changes in environmental temperature, moisture, salinity, partial pressure of gases, and toxins. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350K. Genomics.
The course is a lecture course in modern genomics, including principles of genome function, the human genome, comparative genomics, genome sequencing, evolution and genomic change, databases and medicine, ethical, legal and social issues. The course also includes discussion of transcriptomics, proteomics, metabolomics, directed evolution, protein design, and systems biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350L. Graduate Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including epigenetics and post-transcriptional regulation involving small non-coding RNA.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350M. Wildlife Policy and Law in North America.
This course provides the student with a historical and cultural context within which wildlife policy and law (federal treaties, statutes, case law, and regulations) have developed in North America, particularly in the United States. Graduate students will research the development of Wildlife law in representative states as well.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350O. Tropical Ecology and Conservation.
Students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems.
3 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350P. Tropical Ecology and Conservation Lab.
This laboratory course complements the lecture course BIO 5350O, in which students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems. Corequisite: BIO 5350O.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Co-requisite(s): BIO 5350O
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Q. Biological Oceanography.
Students will be introduced to the principles of oceanography and will understand anthropogenic impacts on the oceans. Topics to be investigated will include: ocean formation and destruction, sediments, ocean circulation, waves, tides, estuaries, life in the oceans, hydrothermal vents, coral reefs, fisheries, marine pollution, and climate change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350R. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course is designed on topics of applied microbiology recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350T. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Must be accepted into the Texas State in Ireland Study Abroad Program.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350U. Ecology of Rarity.
This course will examine the ecology of rarity and its ability to inform public awareness and environmental policy. This course will explore how we define rarity, persistence and viability. Is rarity more or less common than might be expected, and is there anything we can or should do about it?.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Z. Diversity and Cultural Impact of Geoparks.
Students will explore biological differences in diversity across Geoparks in the United States and Ireland. Additionally, students will study the cultural impact that Geoparks have on the local community and national policy by focusing on differences between science communication strategies and community engagement practices conducted at the parks. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5351G. Omics Approach to Microbiology.
This course covers contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5356. Plant Physiology.
Basic principles of plant physiology are studied in lecture and laboratory. Previous courses in biochemistry and genetics are strongly recommended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5362. Environmental Impact Analysis.
Current government regulations regarding environmental impact, content of environmental impact statements, how to proceed with an impact study, application of ecological principles to impact studies, and steps in the review process for environmental impact statements are considered. (Spring, odd years). Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5366. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their relationship to disease, emphasizing critical evaluation of research literature, disease transmission and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5376. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course design is based on topics of applied microbiology as recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5377. Genome Informatics.
The course will cover basic knowledge on genomics and its bioinformatics tools. Students will learn current topics on genomics and bioinformatics, and will analyze genomic data using statistical software. All the analyses will be performed using a personal and a cluster computer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5390. Problems in the Biological Sciences.
Open to graduate students on an individual basis by arrangement with the faculty member concerned.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in BIO 5399B. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are used.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5400. Plants Important for Wildlife.
This course explores plant and plant part (specifically gall, fruit, seed, and twig) identification, phylogenetics, co-evolution of plant defenses, economic and ecological impacts of plant uses by wildlife.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5402. Earth Science I.
A study of astronomy and meteorology through observation, description, and interpretation of earth phenomena. Includes field observations, methods of measurement and interpretation of data related to the physical environment and space technology. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5403. Earth Science II.
The description and interpretation of earth phenomena considered from the standpoint of geology and oceanography. Includes field observations, methods of sampling and interpretation of data related to the physical environment. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5408. Science Processes and Research.
Students will analyze scientific research design, design research, interpret data, and communicate results. Stress will be placed on broad-field structure and integration of major science concepts and research-based science pedagogy. This course must be taken the semester prior to student teaching and is required for those seeking 7-12 Life Science or Science teacher certification. This course may not count as one of the four upper-level Biology courses required of general Biology majors, or one of the three upper-level Biology courses required of Biology minors.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5410. Field Biology of Plants.
Ecological relationships and natural history of plants, including historical geology, geography, soils, and vegetational regions of Central Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5411. Morphology of the Vascular Plants.
A phylogenetic survey of living and fossil vascular plants that focuses on external morphology and reproductive biology. Topics include phylogenetic reconstruction, the origin of vascular plants, seed reproduction, and the origin of angiosperms. Emphasis is on broad-scale evolutionary patterns and origin of major taxonomic groups.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5412. Plant Anatomy.
A descriptive and functional analysis of seed plants that focuses on internal structure. Topics include recognition and characterization of plant tissues, the structure of plant organs, and organ development. Emphasis is on pattern of tissue organization common to all seed plants and the functional basis for anatomical structure.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5413. Parasitology.
The biology and biological significance of the common parasites of man and animals.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5415. Ichthyology.
An introduction to the morphology, taxonomy, natural history, and evolution of fishes. Field trips will be made to collect specimens, and laboratory periods will be devoted to morphological and systematic analyses.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5418. Field Ornithology.
This course is designed to introduce and provide an advanced knowledge of the application of various field, laboratory, and statistical methods and techniques in the study of avian species. The course will include topics related to survey methodology, sampling design, marking/banding, measurement/sample extraction, and aging/sexing of avian species.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5419. Stream Ecology.
Class covers ecological theories, concepts, and processes occurring at the population, community, and ecosystem levels of organization in running water. Lab includes sampling methods, description and comparative studies, experiments, critical discussion of literature and experience in writing manuscripts. Prerequisite: Instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5420. Natural History of the Vertebrates.
Environmental relationships and natural history of vertebrates. Emphasis is on evolution taxonomy, speciation, behavior, and morphology. Laboratory will include field trips for the study and collection of vertebrates in their natural habitats. Students will assemble a representative collection of vertebrates.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5421. Ornithology.
Introduction to anatomy, behavior, ecology, and identification of the birds of Texas. Laboratory will emphasize field studies of birds and their habitat requirements.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5422. Mammalogy.
The taxonomy, distribution, ecology, behavior, and evolution of mammals with particular emphasis on wild mammals of the Southwest. Laboratory will emphasize anatomy, identification, preparation of specimens, and field exercises in methods of population analysis. Students may assemble representative mammal collection.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5423. Wildlife Management.
Application of ecological principles and natural history concepts to the management of wildlife habitats and populations. Laboratory will involve demonstrations and practice exercises with wildlife management techniques and instrumentation, and field trips to observe wildlife management projects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5424D. Vertebrate Endocrinology.
This course teaches function and organization of the endocrine system. It describes the major endocrine glands, the synthesis and release of their hormone products, and the interaction with target tissues. Endocrine control of digestion, growth, reproduction, and homeostasis will be compared between mammals and other vertebrate groups.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5426. Immunology.
A study of the immune response, antigen/antibody reactions, major histocompatibility complex, and immunopathology.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. Emphasis will be placed on North American species and those groups inhabiting Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5435. Techniques in Wildlife Management.
The basic methodology of practical wildlife management. This involves techniques in monitoring and data collection related to population dynamics and habitat parameters of wildlife species as well as field research.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5436. Tropical Biology.
This course entails an analysis and evaluation of the governing principles of tropical ecosystems, including wildlife ecologies, geological processes, and environmental-cultural interactions. In the laboratories, students will compare ecological relationships that influence tropical biology, discuss peer-reviewed literature and examine tropical flora and fauna during field trips to regional sub-tropical areas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5441. Cellular Physiology.
Advanced cellular biology, including membrane physiology, thermodynamics, energy transduction and distribution, and cellular movement in non-muscle and muscle cells. Laboratory includes discussion of current research and exercises in cellular physiology.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5442. Experimental Techniques.
Use of methods and instruments applicable to biological investigations, including colorimetry, UV-spectrophotometry, fluorescence, flame and atomic absorption spectrophotometry, paper, gas, gel filtration and ion exchange chromatography, radioactive counting, and electrophoresis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5443. Fish Physiology.
This course examines the primary physiological functions in fish including how fish sense and interact with the environment, maintain their energetic metabolism (respiration, digestion and excretion), reproduce and maintain water balance. Students will learn about the diverse adaptions fish use to cope with environmental and physiological challenges.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5448. Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including post-transcriptional regulation involving small non-coding RNA. In addition graduate students will also write a critical review on a research article from relevant topic.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5450. Physiological Ecology of Animals.
Course brings together the principle concepts of environmental physiology of animals. The biological problems associated with living in various ecological realms will be discussed, and the biochemical and physiological adaptations of animals to their diverse habitats will be studied.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5454. Plant Ecology.
Functional ecology of terrestrial plants, plant populations, and communities. Laboratory emphasizes quantitative and experimental approaches to plant ecology and the use of field and laboratory physiology equipment.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5465. General Entomology.
Principles of morphology, physiology, and taxonomy of insects. Laboratory time will be devoted to a taxonomic study of the common orders and families of insects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5466. Phylogenetic Methods.
Reconstructing phylogenies is important in most fields of biology. Course emphasis is on practical data collection, management, and analysis. Laboratory exercises will introduce phylogenetic and DNA analysis software, and WWW resources. Students will learn how to address questions in their own research using phylogenetic methodologies.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5470. Limnology.
Physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnology sampling methods, chemical and biological analysis of samples, and hydrographic surveying are included in the laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5471. Reservoir Ecology.
Study of the physical, geological, chemical, and biological factors that influence and make up reservoir ecosystems.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5472. Animal Behavior.
This course presents all the major facets of the study of animal behavior, giving special attention to its evolution and ecological significance. We will discuss major conceptual models guiding past and present research in the field. Laboratories will emphasize experimental techniques and statistical analysis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 5480. Cytology and Micro-technique.
Study of cellular ultra-structure and electron micro technique. Lecture portion of course will cover cytology of all cell types and theoretical aspects of light microscopy and electron microscopy. Laboratory portion will train students to proficiency in microscopy.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5481. Internship in Biological Laboratory Technologies.
The student will participate in the work of a selected biology unit (private, commercial, or governmental). A research paper reporting the internship experience conducted at the biological unit under the supervision of a faculty member will be required. This course may be credited toward a biology major with prior approval of the graduate advisor and department chair.
4 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5485. Scanning Electron Microscopy.
A course on theory of operation and practical use of the scanning electron microscope as applied to biological materials. The course includes aspects of specimen preparation, photomicroscopy, micrograph interpretation, and microscope maintenance procedures. The course will provide the student training necessary to independently do scanning electron microscopy.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5490. Principles of Developmental Biology.
This course will cover basic principles of developmental biology in both plant and animal systems. The course will mainly address cell, molecular and genetic mechanisms underlying the development of model organisms, mainly focusing on Drosophila (animal) and Arabidopsis (plant).
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Aquatic Resources (Aquatic Biology Concentration)

Major Program

The Master of Science (M.S.) degree with a major in Aquatic Resources is a thesis-based degree that emphasizes research in Aquatic Ecosystems and the biological communities that they support.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in biology or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- mentor communication (intent to mentor letter) sent directly from a Biology Department faculty member.
- resume/CV
- statement of purpose describing professional aspirations and rationale for pursuing graduate study
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Aquatic Resources concentration in Aquatic Biology requires 31 semester credit hours, including a thesis. All elective course work should be chosen in consultation with the thesis advisor, thesis committee, and program

director to fulfill the requirements for the degree. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
BIO 5110	Seminar in Biology (Taken twice)	2
BIO 7405	Statistics and Experimental Design I	4
BIO 7406	Statistics and Experimental Design II	4
Concentration		
Choose 7 hours from the following:		7
BIO 5415	Ichthyology	
BIO 5419	Stream Ecology	
BIO 5470	Limnology	
BIO 7328	Integrated Waterbird Management	
BIO 7356	Pollution of Aquatic Ecosystems	
BIO 7422	Wetlands Ecology	
BIO 7471	Reservoir Ecology	
Free Electives		
Choose 8 hours of advisor-approved electives		8
Thesis		
BIO 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
BIO 5199B	Thesis	
BIO 5299B	Thesis	
BIO 5399B	Thesis	
BIO 5599B	Thesis	
BIO 5999B	Thesis	
Total Hours		31

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The

completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Biology: BIO

Courses Offered

Biology (BIO)

BIO 5100. Professional Development.
This course is seminar-based and covers topics related to teaching, research, and employment responsibilities. Completion of the course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis. Graded on a credit (CR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

BIO 5110. Seminar in Biology.
Interactive discussion of timely issues and problems, designed to expose students to the current literature in their fields of interest and its critical analysis. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Header
Grade Mode: Standard Letter

BIO 5114. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5214 and BIO 5314.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5166. Medical Microbiology Laboratory.
This graduate laboratory-based course will cover pathogenic bacteria emphasizing identification of selected groups of pathogens and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5176. Microbial Biotechnology Laboratory.
This laboratory-based course will cover use of microbes for biotechnological applications and is designed to provide practical explorations into fields of biotechnology. Topics include laboratory techniques for recombinant protein purification, fermentation, identification of markers in genetically modified food and bio-remediation of pollutants. Corequisite: BIO 5376.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5214. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5314.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5295. Fundamentals of Research.
Designed to acquaint the beginning graduate student with materials and methods of research in the biological sciences. It is recommended that a graduate student take this course the first semester in residence.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5300. Neurobiology.
This course presents the biology of the nervous system with emphasis on the human nervous system. Topics presented in lecture include neuroanatomy, cellular neurobiology, neurophysiology, developmental neurobiology, and neuronal plasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5301. Evolution.
Basic genetic principles applied to natural selection, adaptation, populations, and speciation. Consideration is given to the origin of life, nature of chromosomal variation, evolution of genetic systems, and certain other selected topics.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5304. Wildlife and Recreation: Impact and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5305. Methods of Nature Study for Teachers.
This course provides a comprehensive survey of natural events. It includes laboratory and field work emphasizing observation, collection and discovery of relationships. It is creditable only for those seeking elementary or middle school certification and is required for those seeking grade 4-8 Science or Science/Mathematics teaching certification. This course must be taken the semester immediately prior to student teaching.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5311. Cancer Biology.
Cancer Biology provides a foundation for understanding the complex molecular, biochemical, and cellular processes associated with cancer development. Topics include the role of tumor suppressor genes, oncogenes, DNA repair, apoptosis, ECM, cell-cycle control, cell signaling pathways, immune function and cancer-causing viruses. Emerging diagnostics and/or therapeutics will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5314. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5319C. Ecotoxicology.
Topics to be covered include sources, types, and fates of toxicants, organism response to toxicants, toxicant effects at the population, community, and ecosystem levels, and monitoring and risk assessment. Examination of current literature will form the core of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5319F. Watershed Management Frameworks and Applications.
Introduction to integrated watershed assessment and management tools for identifying programmatic water quality and quantity issues and their root causes and solutions, and their practical application. The scientific and socio-economic elements are considered within the context of planning and developing watershed protection plans and programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5319G. Omics Approach to Microbiology.
The course will discuss contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5327. Issues in Irish Biodiversity and Conservation.
In this course, students will learn about Irish flora and fauna, ecosystems, conservation strategies in areas of high ecological concern, and public involvement. Emphasis will be placed on case studies and service-learning opportunities. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5328. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5329. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and overwintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5331. Human Dimensions of Wildlife and Fisheries Conservation.
Humans play a role in nearly every aspect of wildlife and fisheries conservation. This course will provide students with principles, concepts, and case studies to understand how the human experience (e.g., culture, politics, economics) influences conservation outcomes. Students will also have an opportunity to integrate human dimensions into local decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5335. Fisheries Management.
An introduction to principles and techniques in fisheries management. Includes the study of artificial reproduction, carrying capacity, productivity, sampling procedures, population estimates, mortality, survival growth rates, and commercial and sport fisheries. (Spring, even years).
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5350G. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their ability to cause disease, emphasizing the biological basis for virulence, and research strategies for investigating infectious diseases. Students may take only one of BIO 5350G or BIO 5445 for credit. Prerequisite: BIO 2400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350I. Emerging Infectious Diseases.
Current topics in the emergence of viral and bacterial diseases in humans. This course will include new diseases, diseases previously seen and increasing in incidence, and diseases not previously seen in this country. This course will be of interest to students who are pursing advanced degrees and courses in microbiology, biochemistry, and cell and molecular biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350J. Environmental Physiology of Animals.
This course is a study of how animals respond physiologically to changes in environmental temperature, moisture, salinity, partial pressure of gases, and toxins. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350K. Genomics.
The course is a lecture course in modern genomics, including principles of genome function, the human genome, comparative genomics, genome sequencing, evolution and genomic change, databases and medicine, ethical, legal and social issues. The course also includes discussion of transcriptomics, proteomics, metabolomics, directed evolution, protein design, and systems biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350L. Graduate Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including epigenetics and post-transcriptional regulation involving small non-coding RNA.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350M. Wildlife Policy and Law in North America.
This course provides the student with a historical and cultural context within which wildlife policy and law (federal treaties, statutes, case law, and regulations) have developed in North America, particularly in the United States. Graduate students will research the development of Wildlife law in representative states as well.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350O. Tropical Ecology and Conservation.
Students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems.
3 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350P. Tropical Ecology and Conservation Lab.
This laboratory course complements the lecture course BIO 5350O, in which students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems. Corequisite: BIO 5350O.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Co-requisite(s): BIO 5350O
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Q. Biological Oceanography.
Students will be introduced to the principles of oceanography and will understand anthropogenic impacts on the oceans. Topics to be investigated will include: ocean formation and destruction, sediments, ocean circulation, waves, tides, estuaries, life in the oceans, hydrothermal vents, coral reefs, fisheries, marine pollution, and climate change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350R. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course is designed on topics of applied microbiology recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350T. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Must be accepted into the Texas State in Ireland Study Abroad Program.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350U. Ecology of Rarity.
This course will examine the ecology of rarity and its ability to inform public awareness and environmental policy. This course will explore how we define rarity, persistence and viability. Is rarity more or less common than might be expected, and is there anything we can or should do about it?.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Z. Diversity and Cultural Impact of Geoparks.
Students will explore biological differences in diversity across Geoparks in the United States and Ireland. Additionally, students will study the cultural impact that Geoparks have on the local community and national policy by focusing on differences between science communication strategies and community engagement practices conducted at the parks. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5351G. Omics Approach to Microbiology.
This course covers contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5356. Plant Physiology.
Basic principles of plant physiology are studied in lecture and laboratory. Previous courses in biochemistry and genetics are strongly recommended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5362. Environmental Impact Analysis.
Current government regulations regarding environmental impact, content of environmental impact statements, how to proceed with an impact study, application of ecological principles to impact studies, and steps in the review process for environmental impact statements are considered. (Spring, odd years). Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5366. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their relationship to disease, emphasizing critical evaluation of research literature, disease transmission and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5376. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course design is based on topics of applied microbiology as recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5377. Genome Informatics.
The course will cover basic knowledge on genomics and its bioinformatics tools. Students will learn current topics on genomics and bioinformatics, and will analyze genomic data using statistical software. All the analyses will be performed using a personal and a cluster computer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5390. Problems in the Biological Sciences.
Open to graduate students on an individual basis by arrangement with the faculty member concerned.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in BIO 5399B. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are used.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5400. Plants Important for Wildlife.
This course explores plant and plant part (specifically gall, fruit, seed, and twig) identification, phylogenetics, co-evolution of plant defenses, economic and ecological impacts of plant uses by wildlife.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5402. Earth Science I.
A study of astronomy and meteorology through observation, description, and interpretation of earth phenomena. Includes field observations, methods of measurement and interpretation of data related to the physical environment and space technology. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5403. Earth Science II.
The description and interpretation of earth phenomena considered from the standpoint of geology and oceanography. Includes field observations, methods of sampling and interpretation of data related to the physical environment. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5408. Science Processes and Research.
Students will analyze scientific research design, design research, interpret data, and communicate results. Stress will be placed on broad-field structure and integration of major science concepts and research-based science pedagogy. This course must be taken the semester prior to student teaching and is required for those seeking 7-12 Life Science or Science teacher certification. This course may not count as one of the four upper-level Biology courses required of general Biology majors, or one of the three upper-level Biology courses required of Biology minors.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5410. Field Biology of Plants.
Ecological relationships and natural history of plants, including historical geology, geography, soils, and vegetational regions of Central Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5411. Morphology of the Vascular Plants.
A phylogenetic survey of living and fossil vascular plants that focuses on external morphology and reproductive biology. Topics include phylogenetic reconstruction, the origin of vascular plants, seed reproduction, and the origin of angiosperms. Emphasis is on broad-scale evolutionary patterns and origin of major taxonomic groups.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5412. Plant Anatomy.
A descriptive and functional analysis of seed plants that focuses on internal structure. Topics include recognition and characterization of plant tissues, the structure of plant organs, and organ development. Emphasis is on pattern of tissue organization common to all seed plants and the functional basis for anatomical structure.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5413. Parasitology.
The biology and biological significance of the common parasites of man and animals.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5415. Ichthyology.
An introduction to the morphology, taxonomy, natural history, and evolution of fishes. Field trips will be made to collect specimens, and laboratory periods will be devoted to morphological and systematic analyses.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5418. Field Ornithology.
This course is designed to introduce and provide an advanced knowledge of the application of various field, laboratory, and statistical methods and techniques in the study of avian species. The course will include topics related to survey methodology, sampling design, marking/banding, measurement/sample extraction, and aging/sexing of avian species.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5419. Stream Ecology.
Class covers ecological theories, concepts, and processes occurring at the population, community, and ecosystem levels of organization in running water. Lab includes sampling methods, description and comparative studies, experiments, critical discussion of literature and experience in writing manuscripts. Prerequisite: Instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5420. Natural History of the Vertebrates.
Environmental relationships and natural history of vertebrates. Emphasis is on evolution taxonomy, speciation, behavior, and morphology. Laboratory will include field trips for the study and collection of vertebrates in their natural habitats. Students will assemble a representative collection of vertebrates.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5421. Ornithology.
Introduction to anatomy, behavior, ecology, and identification of the birds of Texas. Laboratory will emphasize field studies of birds and their habitat requirements.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5422. Mammalogy.
The taxonomy, distribution, ecology, behavior, and evolution of mammals with particular emphasis on wild mammals of the Southwest. Laboratory will emphasize anatomy, identification, preparation of specimens, and field exercises in methods of population analysis. Students may assemble representative mammal collection.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5423. Wildlife Management.
Application of ecological principles and natural history concepts to the management of wildlife habitats and populations. Laboratory will involve demonstrations and practice exercises with wildlife management techniques and instrumentation, and field trips to observe wildlife management projects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5424D. Vertebrate Endocrinology.
This course teaches function and organization of the endocrine system. It describes the major endocrine glands, the synthesis and release of their hormone products, and the interaction with target tissues. Endocrine control of digestion, growth, reproduction, and homeostasis will be compared between mammals and other vertebrate groups.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5426. Immunology.
A study of the immune response, antigen/antibody reactions, major histocompatibility complex, and immunopathology.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. Emphasis will be placed on North American species and those groups inhabiting Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5435. Techniques in Wildlife Management.
The basic methodology of practical wildlife management. This involves techniques in monitoring and data collection related to population dynamics and habitat parameters of wildlife species as well as field research.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5436. Tropical Biology.
This course entails an analysis and evaluation of the governing principles of tropical ecosystems, including wildlife ecologies, geological processes, and environmental-cultural interactions. In the laboratories, students will compare ecological relationships that influence tropical biology, discuss peer-reviewed literature and examine tropical flora and fauna during field trips to regional sub-tropical areas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5441. Cellular Physiology.
Advanced cellular biology, including membrane physiology, thermodynamics, energy transduction and distribution, and cellular movement in non-muscle and muscle cells. Laboratory includes discussion of current research and exercises in cellular physiology.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5442. Experimental Techniques.
Use of methods and instruments applicable to biological investigations, including colorimetry, UV-spectrophotometry, fluorescence, flame and atomic absorption spectrophotometry, paper, gas, gel filtration and ion exchange chromatography, radioactive counting, and electrophoresis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5443. Fish Physiology.
This course examines the primary physiological functions in fish including how fish sense and interact with the environment, maintain their energetic metabolism (respiration, digestion and excretion), reproduce and maintain water balance. Students will learn about the diverse adaptions fish use to cope with environmental and physiological challenges.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5448. Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including post-transcriptional regulation involving small non-coding RNA. In addition graduate students will also write a critical review on a research article from relevant topic.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5450. Physiological Ecology of Animals.
Course brings together the principle concepts of environmental physiology of animals. The biological problems associated with living in various ecological realms will be discussed, and the biochemical and physiological adaptations of animals to their diverse habitats will be studied.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5454. Plant Ecology.
Functional ecology of terrestrial plants, plant populations, and communities. Laboratory emphasizes quantitative and experimental approaches to plant ecology and the use of field and laboratory physiology equipment.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5465. General Entomology.
Principles of morphology, physiology, and taxonomy of insects. Laboratory time will be devoted to a taxonomic study of the common orders and families of insects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5466. Phylogenetic Methods.
Reconstructing phylogenies is important in most fields of biology. Course emphasis is on practical data collection, management, and analysis. Laboratory exercises will introduce phylogenetic and DNA analysis software, and WWW resources. Students will learn how to address questions in their own research using phylogenetic methodologies.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5470. Limnology.
Physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnology sampling methods, chemical and biological analysis of samples, and hydrographic surveying are included in the laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5471. Reservoir Ecology.
Study of the physical, geological, chemical, and biological factors that influence and make up reservoir ecosystems.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5472. Animal Behavior.
This course presents all the major facets of the study of animal behavior, giving special attention to its evolution and ecological significance. We will discuss major conceptual models guiding past and present research in the field. Laboratories will emphasize experimental techniques and statistical analysis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 5480. Cytology and Micro-technique.
Study of cellular ultra-structure and electron micro technique. Lecture portion of course will cover cytology of all cell types and theoretical aspects of light microscopy and electron microscopy. Laboratory portion will train students to proficiency in microscopy.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5481. Internship in Biological Laboratory Technologies.
The student will participate in the work of a selected biology unit (private, commercial, or governmental). A research paper reporting the internship experience conducted at the biological unit under the supervision of a faculty member will be required. This course may be credited toward a biology major with prior approval of the graduate advisor and department chair.
4 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5485. Scanning Electron Microscopy.
A course on theory of operation and practical use of the scanning electron microscope as applied to biological materials. The course includes aspects of specimen preparation, photomicroscopy, micrograph interpretation, and microscope maintenance procedures. The course will provide the student training necessary to independently do scanning electron microscopy.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5490. Principles of Developmental Biology.
This course will cover basic principles of developmental biology in both plant and animal systems. The course will mainly address cell, molecular and genetic mechanisms underlying the development of model organisms, mainly focusing on Drosophila (animal) and Arabidopsis (plant).
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Aquatic Resources (Aquatic Systems Concentration)

Major Program

The Master of Science (M.S.) degree with a major in Aquatic Resources is a thesis-based degree that emphasizes research in aquatic ecosystems and the biological communities that they support.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in biology or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- mentor communication (intent to mentor letter) sent directly from a Biology Department faculty member
- resume/CV
- statement of purpose describing professional aspirations and rationale for pursuing graduate study
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

Students in the The Master of Science (M.S.) degree with a major in Aquatic Resources concentration in Aquatic Systems requires 31 semester credit hours, including a thesis. All elective course work should be chosen in consultation with the thesis advisor, thesis committee, and program director to fulfill the requirements for the degree. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
BIO 5110	Seminar in Biology (Taken twice)	2
BIO 7405	Statistics and Experimental Design I	4
BIO 7406	Statistics and Experimental Design II	4
Concentration		
Choose 7 hours from the following:		7
BIO 5419	Stream Ecology	
BIO 7312	Government Policy and Aquatic Resources	
BIO 7366	Integrated Water Resources Management	
BIO 7412	Environmental Hydrology	
BIO 7421	Landscape Dynamics	

BIO 7422	Wetlands Ecology	
BIO 7468	Groundwater Resources	
BIO 7471	Reservoir Ecology	
Free Electives		
Choose 8 hours of adviosr-approved electives		8
Thesis		
BIO 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
BIO 5199B	Thesis	
BIO 5299B	Thesis	
BIO 5399B	Thesis	
BIO 5599B	Thesis	
BIO 5999B	Thesis	
Total Hours		31

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's

progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Biology: BIO

Courses Offered

Biology (BIO)

BIO 5100. Professional Development.
This course is seminar-based and covers topics related to teaching, research, and employment responsibilities. Completion of the course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis. Graded on a credit (CR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

BIO 5110. Seminar in Biology.
Interactive discussion of timely issues and problems, designed to expose students to the current literature in their fields of interest and its critical analysis. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Header
Grade Mode: Standard Letter

BIO 5114. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5214 and BIO 5314.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5166. Medical Microbiology Laboratory.
This graduate laboratory-based course will cover pathogenic bacteria emphasizing identification of selected groups of pathogens and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5176. Microbial Biotechnology Laboratory.
This laboratory-based course will cover use of microbes for biotechnological applications and is designed to provide practical explorations into fields of biotechnology. Topics include laboratory techniques for recombinant protein purification, fermentation, identification of markers in genetically modified food and bio-remediation of pollutants. Corequisite: BIO 5376.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5214. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5314.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5295. Fundamentals of Research.
Designed to acquaint the beginning graduate student with materials and methods of research in the biological sciences. It is recommended that a graduate student take this course the first semester in residence.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5300. Neurobiology.
This course presents the biology of the nervous system with emphasis on the human nervous system. Topics presented in lecture include neuroanatomy, cellular neurobiology, neurophysiology, developmental neurobiology, and neuronal plasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5301. Evolution.
Basic genetic principles applied to natural selection, adaptation, populations, and speciation. Consideration is given to the origin of life, nature of chromosomal variation, evolution of genetic systems, and certain other selected topics.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5304. Wildlife and Recreation: Impact and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5305. Methods of Nature Study for Teachers.
This course provides a comprehensive survey of natural events. It includes laboratory and field work emphasizing observation, collection and discovery of relationships. It is creditable only for those seeking elementary or middle school certification and is required for those seeking grade 4-8 Science or Science/Mathematics teaching certification. This course must be taken the semester immediately prior to student teaching.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5311. Cancer Biology.
Cancer Biology provides a foundation for understanding the complex molecular, biochemical, and cellular processes associated with cancer development. Topics include the role of tumor suppressor genes, oncogenes, DNA repair, apoptosis, ECM, cell-cycle control, cell signaling pathways, immune function and cancer-causing viruses. Emerging diagnostics and/or therapeutics will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5314. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5319C. Ecotoxicology.
Topics to be covered include sources, types, and fates of toxicants, organism response to toxicants, toxicant effects at the population, community, and ecosystem levels, and monitoring and risk assessment. Examination of current literature will form the core of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5319F. Watershed Management Frameworks and Applications.
Introduction to integrated watershed assessment and management tools for identifying programmatic water quality and quantity issues and their root causes and solutions, and their practical application. The scientific and socio-economic elements are considered within the context of planning and developing watershed protection plans and programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5319G. Omics Approach to Microbiology.
The course will discuss contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5327. Issues in Irish Biodiversity and Conservation.
In this course, students will learn about Irish flora and fauna, ecosystems, conservation strategies in areas of high ecological concern, and public involvement. Emphasis will be placed on case studies and service-learning opportunities. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5328. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5329. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and overwintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5331. Human Dimensions of Wildlife and Fisheries Conservation.
Humans play a role in nearly every aspect of wildlife and fisheries conservation. This course will provide students with principles, concepts, and case studies to understand how the human experience (e.g., culture, politics, economics) influences conservation outcomes. Students will also have an opportunity to integrate human dimensions into local decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5335. Fisheries Management.
An introduction to principles and techniques in fisheries management. Includes the study of artificial reproduction, carrying capacity, productivity, sampling procedures, population estimates, mortality, survival growth rates, and commercial and sport fisheries. (Spring, even years).
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5350G. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their ability to cause disease, emphasizing the biological basis for virulence, and research strategies for investigating infectious diseases. Students may take only one of BIO 5350G or BIO 5445 for credit. Prerequisite: BIO 2400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350I. Emerging Infectious Diseases.
Current topics in the emergence of viral and bacterial diseases in humans. This course will include new diseases, diseases previously seen and increasing in incidence, and diseases not previously seen in this country. This course will be of interest to students who are pursing advanced degrees and courses in microbiology, biochemistry, and cell and molecular biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350J. Environmental Physiology of Animals.
This course is a study of how animals respond physiologically to changes in environmental temperature, moisture, salinity, partial pressure of gases, and toxins. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350K. Genomics.
The course is a lecture course in modern genomics, including principles of genome function, the human genome, comparative genomics, genome sequencing, evolution and genomic change, databases and medicine, ethical, legal and social issues. The course also includes discussion of transcriptomics, proteomics, metabolomics, directed evolution, protein design, and systems biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350L. Graduate Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including epigenetics and post-transcriptional regulation involving small non-coding RNA.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350M. Wildlife Policy and Law in North America.
This course provides the student with a historical and cultural context within which wildlife policy and law (federal treaties, statutes, case law, and regulations) have developed in North America, particularly in the United States. Graduate students will research the development of Wildlife law in representative states as well.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350O. Tropical Ecology and Conservation.
Students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems.
3 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350P. Tropical Ecology and Conservation Lab.
This laboratory course complements the lecture course BIO 5350O, in which students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems. Corequisite: BIO 5350O.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Co-requisite(s): BIO 5350O
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Q. Biological Oceanography.
Students will be introduced to the principles of oceanography and will understand anthropogenic impacts on the oceans. Topics to be investigated will include: ocean formation and destruction, sediments, ocean circulation, waves, tides, estuaries, life in the oceans, hydrothermal vents, coral reefs, fisheries, marine pollution, and climate change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350R. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course is designed on topics of applied microbiology recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350T. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Must be accepted into the Texas State in Ireland Study Abroad Program.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350U. Ecology of Rarity.
This course will examine the ecology of rarity and its ability to inform public awareness and environmental policy. This course will explore how we define rarity, persistence and viability. Is rarity more or less common than might be expected, and is there anything we can or should do about it?.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Z. Diversity and Cultural Impact of Geoparks.
Students will explore biological differences in diversity across Geoparks in the United States and Ireland. Additionally, students will study the cultural impact that Geoparks have on the local community and national policy by focusing on differences between science communication strategies and community engagement practices conducted at the parks. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5351G. Omics Approach to Microbiology.
This course covers contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5356. Plant Physiology.
Basic principles of plant physiology are studied in lecture and laboratory. Previous courses in biochemistry and genetics are strongly recommended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5362. Environmental Impact Analysis.
Current government regulations regarding environmental impact, content of environmental impact statements, how to proceed with an impact study, application of ecological principles to impact studies, and steps in the review process for environmental impact statements are considered. (Spring, odd years). Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5366. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their relationship to disease, emphasizing critical evaluation of research literature, disease transmission and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5376. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course design is based on topics of applied microbiology as recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5377. Genome Informatics.
The course will cover basic knowledge on genomics and its bioinformatics tools. Students will learn current topics on genomics and bioinformatics, and will analyze genomic data using statistical software. All the analyses will be performed using a personal and a cluster computer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5390. Problems in the Biological Sciences.
Open to graduate students on an individual basis by arrangement with the faculty member concerned.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in BIO 5399B. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are used.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5400. Plants Important for Wildlife.
This course explores plant and plant part (specifically gall, fruit, seed, and twig) identification, phylogenetics, co-evolution of plant defenses, economic and ecological impacts of plant uses by wildlife.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5402. Earth Science I.
A study of astronomy and meteorology through observation, description, and interpretation of earth phenomena. Includes field observations, methods of measurement and interpretation of data related to the physical environment and space technology. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5403. Earth Science II.
The description and interpretation of earth phenomena considered from the standpoint of geology and oceanography. Includes field observations, methods of sampling and interpretation of data related to the physical environment. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5408. Science Processes and Research.
Students will analyze scientific research design, design research, interpret data, and communicate results. Stress will be placed on broad-field structure and integration of major science concepts and research-based science pedagogy. This course must be taken the semester prior to student teaching and is required for those seeking 7-12 Life Science or Science teacher certification. This course may not count as one of the four upper-level Biology courses required of general Biology majors, or one of the three upper-level Biology courses required of Biology minors.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5410. Field Biology of Plants.
Ecological relationships and natural history of plants, including historical geology, geography, soils, and vegetational regions of Central Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5411. Morphology of the Vascular Plants.
A phylogenetic survey of living and fossil vascular plants that focuses on external morphology and reproductive biology. Topics include phylogenetic reconstruction, the origin of vascular plants, seed reproduction, and the origin of angiosperms. Emphasis is on broad-scale evolutionary patterns and origin of major taxonomic groups.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5412. Plant Anatomy.
A descriptive and functional analysis of seed plants that focuses on internal structure. Topics include recognition and characterization of plant tissues, the structure of plant organs, and organ development. Emphasis is on pattern of tissue organization common to all seed plants and the functional basis for anatomical structure.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5413. Parasitology.
The biology and biological significance of the common parasites of man and animals.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5415. Ichthyology.
An introduction to the morphology, taxonomy, natural history, and evolution of fishes. Field trips will be made to collect specimens, and laboratory periods will be devoted to morphological and systematic analyses.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5418. Field Ornithology.
This course is designed to introduce and provide an advanced knowledge of the application of various field, laboratory, and statistical methods and techniques in the study of avian species. The course will include topics related to survey methodology, sampling design, marking/banding, measurement/sample extraction, and aging/sexing of avian species.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5419. Stream Ecology.
Class covers ecological theories, concepts, and processes occurring at the population, community, and ecosystem levels of organization in running water. Lab includes sampling methods, description and comparative studies, experiments, critical discussion of literature and experience in writing manuscripts. Prerequisite: Instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5420. Natural History of the Vertebrates.
Environmental relationships and natural history of vertebrates. Emphasis is on evolution taxonomy, speciation, behavior, and morphology. Laboratory will include field trips for the study and collection of vertebrates in their natural habitats. Students will assemble a representative collection of vertebrates.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5421. Ornithology.
Introduction to anatomy, behavior, ecology, and identification of the birds of Texas. Laboratory will emphasize field studies of birds and their habitat requirements.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5422. Mammalogy.
The taxonomy, distribution, ecology, behavior, and evolution of mammals with particular emphasis on wild mammals of the Southwest. Laboratory will emphasize anatomy, identification, preparation of specimens, and field exercises in methods of population analysis. Students may assemble representative mammal collection.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5423. Wildlife Management.
Application of ecological principles and natural history concepts to the management of wildlife habitats and populations. Laboratory will involve demonstrations and practice exercises with wildlife management techniques and instrumentation, and field trips to observe wildlife management projects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5424D. Vertebrate Endocrinology.
This course teaches function and organization of the endocrine system. It describes the major endocrine glands, the synthesis and release of their hormone products, and the interaction with target tissues. Endocrine control of digestion, growth, reproduction, and homeostasis will be compared between mammals and other vertebrate groups.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5426. Immunology.
A study of the immune response, antigen/antibody reactions, major histocompatibility complex, and immunopathology.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. Emphasis will be placed on North American species and those groups inhabiting Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5435. Techniques in Wildlife Management.
The basic methodology of practical wildlife management. This involves techniques in monitoring and data collection related to population dynamics and habitat parameters of wildlife species as well as field research.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5436. Tropical Biology.
This course entails an analysis and evaluation of the governing principles of tropical ecosystems, including wildlife ecologies, geological processes, and environmental-cultural interactions. In the laboratories, students will compare ecological relationships that influence tropical biology, discuss peer-reviewed literature and examine tropical flora and fauna during field trips to regional sub-tropical areas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5441. Cellular Physiology.
Advanced cellular biology, including membrane physiology, thermodynamics, energy transduction and distribution, and cellular movement in non-muscle and muscle cells. Laboratory includes discussion of current research and exercises in cellular physiology.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5442. Experimental Techniques.
Use of methods and instruments applicable to biological investigations, including colorimetry, UV-spectrophotometry, fluorescence, flame and atomic absorption spectrophotometry, paper, gas, gel filtration and ion exchange chromatography, radioactive counting, and electrophoresis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5443. Fish Physiology.
This course examines the primary physiological functions in fish including how fish sense and interact with the environment, maintain their energetic metabolism (respiration, digestion and excretion), reproduce and maintain water balance. Students will learn about the diverse adaptions fish use to cope with environmental and physiological challenges.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5448. Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including post-transcriptional regulation involving small non-coding RNA. In addition graduate students will also write a critical review on a research article from relevant topic.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5450. Physiological Ecology of Animals.
Course brings together the principle concepts of environmental physiology of animals. The biological problems associated with living in various ecological realms will be discussed, and the biochemical and physiological adaptations of animals to their diverse habitats will be studied.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5454. Plant Ecology.
Functional ecology of terrestrial plants, plant populations, and communities. Laboratory emphasizes quantitative and experimental approaches to plant ecology and the use of field and laboratory physiology equipment.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5465. General Entomology.
Principles of morphology, physiology, and taxonomy of insects. Laboratory time will be devoted to a taxonomic study of the common orders and families of insects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5466. Phylogenetic Methods.
Reconstructing phylogenies is important in most fields of biology. Course emphasis is on practical data collection, management, and analysis. Laboratory exercises will introduce phylogenetic and DNA analysis software, and WWW resources. Students will learn how to address questions in their own research using phylogenetic methodologies.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5470. Limnology.
Physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnology sampling methods, chemical and biological analysis of samples, and hydrographic surveying are included in the laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5471. Reservoir Ecology.
Study of the physical, geological, chemical, and biological factors that influence and make up reservoir ecosystems.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5472. Animal Behavior.
This course presents all the major facets of the study of animal behavior, giving special attention to its evolution and ecological significance. We will discuss major conceptual models guiding past and present research in the field. Laboratories will emphasize experimental techniques and statistical analysis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 5480. Cytology and Micro-technique.
Study of cellular ultra-structure and electron micro technique. Lecture portion of course will cover cytology of all cell types and theoretical aspects of light microscopy and electron microscopy. Laboratory portion will train students to proficiency in microscopy.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5481. Internship in Biological Laboratory Technologies.
The student will participate in the work of a selected biology unit (private, commercial, or governmental). A research paper reporting the internship experience conducted at the biological unit under the supervision of a faculty member will be required. This course may be credited toward a biology major with prior approval of the graduate advisor and department chair.
4 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5485. Scanning Electron Microscopy.
A course on theory of operation and practical use of the scanning electron microscope as applied to biological materials. The course includes aspects of specimen preparation, photomicroscopy, micrograph interpretation, and microscope maintenance procedures. The course will provide the student training necessary to independently do scanning electron microscopy.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5490. Principles of Developmental Biology.
This course will cover basic principles of developmental biology in both plant and animal systems. The course will mainly address cell, molecular and genetic mechanisms underlying the development of model organisms, mainly focusing on Drosophila (animal) and Arabidopsis (plant).
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Biology (Non-thesis Option)

Major Program

Graduate study in biology integrates classroom and field or laboratory experience to help meet the current and future scientific needs of society. The Biology department offers students opportunities to study in the field or in modern facilities with up-to-date instrumentation and resources, including a DNA-sequencing unit, an integrated microscopy facility, high-speed digital networks and computing centers, a GIS lab, greenhouses, wet labs and extensive plant, animal and paleobotanical collections.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in biology or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose describing professional aspirations and rationale for pursuing graduate study in biology
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Science (M.S.) degree with a major in Biology requires 45 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
BIO 5390	Problems in the Biological Sciences (at least one term of an independent study project)	3
Select one of the following seminar options:		3-4
Option A - Take 3 hours from the following:		
BIO 5110	Seminar in Biology	
BIO 7102	Seminar in Aquatic Resources	
BIO 7120	Population Biology Seminar	
Option B - Take two seminars from Option A and:		
BIO 5295	Fundamentals of Research	
Electives		
Choose 39 hours of advisor-approved electives		39
May choose 2 advisor-approved courses outside the department		
Total Hours		45-46

Non-thesis Students

Students pursuing a non-thesis degree are required to have a major professor by the end of their first long term of enrollment in the graduate program. The major professor will normally be a faculty member specializing in an area of particular interest to the student and is often the individual who supervises the required independent study project. Prior to the final term of enrollment the non-thesis student must, in consultation with the major professor, select a committee that will administer the final comprehensive examination.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Biology: BIO

Courses Offered

Biology (BIO)

BIO 5100. Professional Development.
This course is seminar-based and covers topics related to teaching, research, and employment responsibilities. Completion of the course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis. Graded on a credit (CR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

BIO 5110. Seminar in Biology.
Interactive discussion of timely issues and problems, designed to expose students to the current literature in their fields of interest and its critical analysis. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Header
Grade Mode: Standard Letter

BIO 5114. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5214 and BIO 5314.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5166. Medical Microbiology Laboratory.
This graduate laboratory-based course will cover pathogenic bacteria emphasizing identification of selected groups of pathogens and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5176. Microbial Biotechnology Laboratory.
This laboratory-based course will cover use of microbes for biotechnological applications and is designed to provide practical explorations into fields of biotechnology. Topics include laboratory techniques for recombinant protein purification, fermentation, identification of markers in genetically modified food and bio-remediation of pollutants. Corequisite: BIO 5376.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5214. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5314.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5295. Fundamentals of Research.
Designed to acquaint the beginning graduate student with materials and methods of research in the biological sciences. It is recommended that a graduate student take this course the first semester in residence.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5300. Neurobiology.
This course presents the biology of the nervous system with emphasis on the human nervous system. Topics presented in lecture include neuroanatomy, cellular neurobiology, neurophysiology, developmental neurobiology, and neuronal plasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5301. Evolution.
Basic genetic principles applied to natural selection, adaptation, populations, and speciation. Consideration is given to the origin of life, nature of chromosomal variation, evolution of genetic systems, and certain other selected topics.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5304. Wildlife and Recreation: Impact and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5305. Methods of Nature Study for Teachers.
This course provides a comprehensive survey of natural events. It includes laboratory and field work emphasizing observation, collection and discovery of relationships. It is creditable only for those seeking elementary or middle school certification and is required for those seeking grade 4-8 Science or Science/Mathematics teaching certification. This course must be taken the semester immediately prior to student teaching.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5311. Cancer Biology.
Cancer Biology provides a foundation for understanding the complex molecular, biochemical, and cellular processes associated with cancer development. Topics include the role of tumor suppressor genes, oncogenes, DNA repair, apoptosis, ECM, cell-cycle control, cell signaling pathways, immune function and cancer-causing viruses. Emerging diagnostics and/or therapeutics will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5314. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5319C. Ecotoxicology.
Topics to be covered include sources, types, and fates of toxicants, organism response to toxicants, toxicant effects at the population, community, and ecosystem levels, and monitoring and risk assessment. Examination of current literature will form the core of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5319F. Watershed Management Frameworks and Applications.
Introduction to integrated watershed assessment and management tools for identifying programmatic water quality and quantity issues and their root causes and solutions, and their practical application. The scientific and socio-economic elements are considered within the context of planning and developing watershed protection plans and programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5319G. Omics Approach to Microbiology.
The course will discuss contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5327. Issues in Irish Biodiversity and Conservation.
In this course, students will learn about Irish flora and fauna, ecosystems, conservation strategies in areas of high ecological concern, and public involvement. Emphasis will be placed on case studies and service-learning opportunities. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5328. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5329. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and overwintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5331. Human Dimensions of Wildlife and Fisheries Conservation.
Humans play a role in nearly every aspect of wildlife and fisheries conservation. This course will provide students with principles, concepts, and case studies to understand how the human experience (e.g., culture, politics, economics) influences conservation outcomes. Students will also have an opportunity to integrate human dimensions into local decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5335. Fisheries Management.
An introduction to principles and techniques in fisheries management. Includes the study of artificial reproduction, carrying capacity, productivity, sampling procedures, population estimates, mortality, survival growth rates, and commercial and sport fisheries. (Spring, even years).
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5350G. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their ability to cause disease, emphasizing the biological basis for virulence, and research strategies for investigating infectious diseases. Students may take only one of BIO 5350G or BIO 5445 for credit. Prerequisite: BIO 2400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350I. Emerging Infectious Diseases.
Current topics in the emergence of viral and bacterial diseases in humans. This course will include new diseases, diseases previously seen and increasing in incidence, and diseases not previously seen in this country. This course will be of interest to students who are pursing advanced degrees and courses in microbiology, biochemistry, and cell and molecular biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350J. Environmental Physiology of Animals.
This course is a study of how animals respond physiologically to changes in environmental temperature, moisture, salinity, partial pressure of gases, and toxins. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350K. Genomics.
The course is a lecture course in modern genomics, including principles of genome function, the human genome, comparative genomics, genome sequencing, evolution and genomic change, databases and medicine, ethical, legal and social issues. The course also includes discussion of transcriptomics, proteomics, metabolomics, directed evolution, protein design, and systems biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350L. Graduate Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including epigenetics and post-transcriptional regulation involving small non-coding RNA.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350M. Wildlife Policy and Law in North America.
This course provides the student with a historical and cultural context within which wildlife policy and law (federal treaties, statutes, case law, and regulations) have developed in North America, particularly in the United States. Graduate students will research the development of Wildlife law in representative states as well.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350O. Tropical Ecology and Conservation.
Students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems.
3 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350P. Tropical Ecology and Conservation Lab.
This laboratory course complements the lecture course BIO 5350O, in which students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems. Corequisite: BIO 5350O.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Co-requisite(s): BIO 5350O
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Q. Biological Oceanography.
Students will be introduced to the principles of oceanography and will understand anthropogenic impacts on the oceans. Topics to be investigated will include: ocean formation and destruction, sediments, ocean circulation, waves, tides, estuaries, life in the oceans, hydrothermal vents, coral reefs, fisheries, marine pollution, and climate change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350R. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course is designed on topics of applied microbiology recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350T. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Must be accepted into the Texas State in Ireland Study Abroad Program.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350U. Ecology of Rarity.
This course will examine the ecology of rarity and its ability to inform public awareness and environmental policy. This course will explore how we define rarity, persistence and viability. Is rarity more or less common than might be expected, and is there anything we can or should do about it?.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Z. Diversity and Cultural Impact of Geoparks.
Students will explore biological differences in diversity across Geoparks in the United States and Ireland. Additionally, students will study the cultural impact that Geoparks have on the local community and national policy by focusing on differences between science communication strategies and community engagement practices conducted at the parks. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5351G. Omics Approach to Microbiology.
This course covers contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5356. Plant Physiology.
Basic principles of plant physiology are studied in lecture and laboratory. Previous courses in biochemistry and genetics are strongly recommended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5362. Environmental Impact Analysis.
Current government regulations regarding environmental impact, content of environmental impact statements, how to proceed with an impact study, application of ecological principles to impact studies, and steps in the review process for environmental impact statements are considered. (Spring, odd years). Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5366. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their relationship to disease, emphasizing critical evaluation of research literature, disease transmission and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5376. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course design is based on topics of applied microbiology as recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5377. Genome Informatics.
The course will cover basic knowledge on genomics and its bioinformatics tools. Students will learn current topics on genomics and bioinformatics, and will analyze genomic data using statistical software. All the analyses will be performed using a personal and a cluster computer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5390. Problems in the Biological Sciences.
Open to graduate students on an individual basis by arrangement with the faculty member concerned.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in BIO 5399B. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are used.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5400. Plants Important for Wildlife.
This course explores plant and plant part (specifically gall, fruit, seed, and twig) identification, phylogenetics, co-evolution of plant defenses, economic and ecological impacts of plant uses by wildlife.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5402. Earth Science I.
A study of astronomy and meteorology through observation, description, and interpretation of earth phenomena. Includes field observations, methods of measurement and interpretation of data related to the physical environment and space technology. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5403. Earth Science II.
The description and interpretation of earth phenomena considered from the standpoint of geology and oceanography. Includes field observations, methods of sampling and interpretation of data related to the physical environment. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5408. Science Processes and Research.
Students will analyze scientific research design, design research, interpret data, and communicate results. Stress will be placed on broad-field structure and integration of major science concepts and research-based science pedagogy. This course must be taken the semester prior to student teaching and is required for those seeking 7-12 Life Science or Science teacher certification. This course may not count as one of the four upper-level Biology courses required of general Biology majors, or one of the three upper-level Biology courses required of Biology minors.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5410. Field Biology of Plants.
Ecological relationships and natural history of plants, including historical geology, geography, soils, and vegetational regions of Central Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5411. Morphology of the Vascular Plants.
A phylogenetic survey of living and fossil vascular plants that focuses on external morphology and reproductive biology. Topics include phylogenetic reconstruction, the origin of vascular plants, seed reproduction, and the origin of angiosperms. Emphasis is on broad-scale evolutionary patterns and origin of major taxonomic groups.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5412. Plant Anatomy.
A descriptive and functional analysis of seed plants that focuses on internal structure. Topics include recognition and characterization of plant tissues, the structure of plant organs, and organ development. Emphasis is on pattern of tissue organization common to all seed plants and the functional basis for anatomical structure.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5413. Parasitology.
The biology and biological significance of the common parasites of man and animals.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5415. Ichthyology.
An introduction to the morphology, taxonomy, natural history, and evolution of fishes. Field trips will be made to collect specimens, and laboratory periods will be devoted to morphological and systematic analyses.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5418. Field Ornithology.
This course is designed to introduce and provide an advanced knowledge of the application of various field, laboratory, and statistical methods and techniques in the study of avian species. The course will include topics related to survey methodology, sampling design, marking/banding, measurement/sample extraction, and aging/sexing of avian species.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5419. Stream Ecology.
Class covers ecological theories, concepts, and processes occurring at the population, community, and ecosystem levels of organization in running water. Lab includes sampling methods, description and comparative studies, experiments, critical discussion of literature and experience in writing manuscripts. Prerequisite: Instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5420. Natural History of the Vertebrates.
Environmental relationships and natural history of vertebrates. Emphasis is on evolution taxonomy, speciation, behavior, and morphology. Laboratory will include field trips for the study and collection of vertebrates in their natural habitats. Students will assemble a representative collection of vertebrates.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5421. Ornithology.
Introduction to anatomy, behavior, ecology, and identification of the birds of Texas. Laboratory will emphasize field studies of birds and their habitat requirements.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5422. Mammalogy.
The taxonomy, distribution, ecology, behavior, and evolution of mammals with particular emphasis on wild mammals of the Southwest. Laboratory will emphasize anatomy, identification, preparation of specimens, and field exercises in methods of population analysis. Students may assemble representative mammal collection.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5423. Wildlife Management.
Application of ecological principles and natural history concepts to the management of wildlife habitats and populations. Laboratory will involve demonstrations and practice exercises with wildlife management techniques and instrumentation, and field trips to observe wildlife management projects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5424D. Vertebrate Endocrinology.
This course teaches function and organization of the endocrine system. It describes the major endocrine glands, the synthesis and release of their hormone products, and the interaction with target tissues. Endocrine control of digestion, growth, reproduction, and homeostasis will be compared between mammals and other vertebrate groups.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5426. Immunology.
A study of the immune response, antigen/antibody reactions, major histocompatibility complex, and immunopathology.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. Emphasis will be placed on North American species and those groups inhabiting Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5435. Techniques in Wildlife Management.
The basic methodology of practical wildlife management. This involves techniques in monitoring and data collection related to population dynamics and habitat parameters of wildlife species as well as field research.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5436. Tropical Biology.
This course entails an analysis and evaluation of the governing principles of tropical ecosystems, including wildlife ecologies, geological processes, and environmental-cultural interactions. In the laboratories, students will compare ecological relationships that influence tropical biology, discuss peer-reviewed literature and examine tropical flora and fauna during field trips to regional sub-tropical areas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5441. Cellular Physiology.
Advanced cellular biology, including membrane physiology, thermodynamics, energy transduction and distribution, and cellular movement in non-muscle and muscle cells. Laboratory includes discussion of current research and exercises in cellular physiology.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5442. Experimental Techniques.
Use of methods and instruments applicable to biological investigations, including colorimetry, UV-spectrophotometry, fluorescence, flame and atomic absorption spectrophotometry, paper, gas, gel filtration and ion exchange chromatography, radioactive counting, and electrophoresis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5443. Fish Physiology.
This course examines the primary physiological functions in fish including how fish sense and interact with the environment, maintain their energetic metabolism (respiration, digestion and excretion), reproduce and maintain water balance. Students will learn about the diverse adaptions fish use to cope with environmental and physiological challenges.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5448. Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including post-transcriptional regulation involving small non-coding RNA. In addition graduate students will also write a critical review on a research article from relevant topic.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5450. Physiological Ecology of Animals.
Course brings together the principle concepts of environmental physiology of animals. The biological problems associated with living in various ecological realms will be discussed, and the biochemical and physiological adaptations of animals to their diverse habitats will be studied.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5454. Plant Ecology.
Functional ecology of terrestrial plants, plant populations, and communities. Laboratory emphasizes quantitative and experimental approaches to plant ecology and the use of field and laboratory physiology equipment.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5465. General Entomology.
Principles of morphology, physiology, and taxonomy of insects. Laboratory time will be devoted to a taxonomic study of the common orders and families of insects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5466. Phylogenetic Methods.
Reconstructing phylogenies is important in most fields of biology. Course emphasis is on practical data collection, management, and analysis. Laboratory exercises will introduce phylogenetic and DNA analysis software, and WWW resources. Students will learn how to address questions in their own research using phylogenetic methodologies.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5470. Limnology.
Physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnology sampling methods, chemical and biological analysis of samples, and hydrographic surveying are included in the laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5471. Reservoir Ecology.
Study of the physical, geological, chemical, and biological factors that influence and make up reservoir ecosystems.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5472. Animal Behavior.
This course presents all the major facets of the study of animal behavior, giving special attention to its evolution and ecological significance. We will discuss major conceptual models guiding past and present research in the field. Laboratories will emphasize experimental techniques and statistical analysis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 5480. Cytology and Micro-technique.
Study of cellular ultra-structure and electron micro technique. Lecture portion of course will cover cytology of all cell types and theoretical aspects of light microscopy and electron microscopy. Laboratory portion will train students to proficiency in microscopy.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5481. Internship in Biological Laboratory Technologies.
The student will participate in the work of a selected biology unit (private, commercial, or governmental). A research paper reporting the internship experience conducted at the biological unit under the supervision of a faculty member will be required. This course may be credited toward a biology major with prior approval of the graduate advisor and department chair.
4 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5485. Scanning Electron Microscopy.
A course on theory of operation and practical use of the scanning electron microscope as applied to biological materials. The course includes aspects of specimen preparation, photomicroscopy, micrograph interpretation, and microscope maintenance procedures. The course will provide the student training necessary to independently do scanning electron microscopy.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5490. Principles of Developmental Biology.
This course will cover basic principles of developmental biology in both plant and animal systems. The course will mainly address cell, molecular and genetic mechanisms underlying the development of model organisms, mainly focusing on Drosophila (animal) and Arabidopsis (plant).
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Biology (Non-thesis Minor Option)

Major Program

Graduate study in biology integrates classroom and field or laboratory experience to help meet the current and future scientific needs of society. The Biology department offers students opportunities to study in the field or in modern facilities with up-to-date instrumentation and resources, including a DNA-sequencing unit, an integrated microscopy facility, high-speed digital networks and computing centers, a GIS lab, greenhouses, wet labs and extensive plant, animal and paleobotanical collections.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in biology or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose describing professional aspirations and rationale for pursuing graduate study in biology
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Science (M.S.) degree with a major in Biology requires 45 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
BIO 5390	Problems in the Biological Sciences (at least one term of an independent study project)	3
Select one of the following seminar options:		3-4
Option A - Take 3 hours from the following:		
BIO 5110	Seminar in Biology	
BIO 7102	Seminar in Aquatic Resources	
BIO 7120	Population Biology Seminar	
Option B - Take two seminars from Option A and:		
BIO 5295	Fundamentals of Research	
Electives		
Choose 27 advisor-approved electives		27
May choose 2 advisor-approved electives outside the department		
Minor		
Choose a 12-hour advisor-approved minor		12
Total Hours		45-46

Non-thesis Students

Students pursuing a non-thesis degree are required to have a major professor by the end of their first long term of enrollment in the graduate program. The major professor will normally be a faculty member specializing in an area of particular interest to the student and is often the individual who supervises the required independent study project. Prior to the final term of enrollment the non-thesis student must, in consultation with the major professor, select a committee that will administer the final comprehensive examination.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Biology: BIO

Courses Offered

Biology (BIO)

BIO 5100. Professional Development.
This course is seminar-based and covers topics related to teaching, research, and employment responsibilities. Completion of the course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis. Graded on a credit (CR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

BIO 5110. Seminar in Biology.
Interactive discussion of timely issues and problems, designed to expose students to the current literature in their fields of interest and its critical analysis. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Header
Grade Mode: Standard Letter

BIO 5114. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5214 and BIO 5314.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5166. Medical Microbiology Laboratory.
This graduate laboratory-based course will cover pathogenic bacteria emphasizing identification of selected groups of pathogens and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5176. Microbial Biotechnology Laboratory.
This laboratory-based course will cover use of microbes for biotechnological applications and is designed to provide practical explorations into fields of biotechnology. Topics include laboratory techniques for recombinant protein purification, fermentation, identification of markers in genetically modified food and bio-remediation of pollutants. Corequisite: BIO 5376.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5214. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5314.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5295. Fundamentals of Research.
Designed to acquaint the beginning graduate student with materials and methods of research in the biological sciences. It is recommended that a graduate student take this course the first semester in residence.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5300. Neurobiology.
This course presents the biology of the nervous system with emphasis on the human nervous system. Topics presented in lecture include neuroanatomy, cellular neurobiology, neurophysiology, developmental neurobiology, and neuronal plasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5301. Evolution.
Basic genetic principles applied to natural selection, adaptation, populations, and speciation. Consideration is given to the origin of life, nature of chromosomal variation, evolution of genetic systems, and certain other selected topics.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5304. Wildlife and Recreation: Impact and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5305. Methods of Nature Study for Teachers.
This course provides a comprehensive survey of natural events. It includes laboratory and field work emphasizing observation, collection and discovery of relationships. It is creditable only for those seeking elementary or middle school certification and is required for those seeking grade 4-8 Science or Science/Mathematics teaching certification. This course must be taken the semester immediately prior to student teaching.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5311. Cancer Biology.
Cancer Biology provides a foundation for understanding the complex molecular, biochemical, and cellular processes associated with cancer development. Topics include the role of tumor suppressor genes, oncogenes, DNA repair, apoptosis, ECM, cell-cycle control, cell signaling pathways, immune function and cancer-causing viruses. Emerging diagnostics and/or therapeutics will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5314. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5319C. Ecotoxicology.
Topics to be covered include sources, types, and fates of toxicants, organism response to toxicants, toxicant effects at the population, community, and ecosystem levels, and monitoring and risk assessment. Examination of current literature will form the core of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5319F. Watershed Management Frameworks and Applications.
Introduction to integrated watershed assessment and management tools for identifying programmatic water quality and quantity issues and their root causes and solutions, and their practical application. The scientific and socio-economic elements are considered within the context of planning and developing watershed protection plans and programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5319G. Omics Approach to Microbiology.
The course will discuss contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5327. Issues in Irish Biodiversity and Conservation.
In this course, students will learn about Irish flora and fauna, ecosystems, conservation strategies in areas of high ecological concern, and public involvement. Emphasis will be placed on case studies and service-learning opportunities. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5328. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5329. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and overwintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5331. Human Dimensions of Wildlife and Fisheries Conservation.
Humans play a role in nearly every aspect of wildlife and fisheries conservation. This course will provide students with principles, concepts, and case studies to understand how the human experience (e.g., culture, politics, economics) influences conservation outcomes. Students will also have an opportunity to integrate human dimensions into local decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5335. Fisheries Management.
An introduction to principles and techniques in fisheries management. Includes the study of artificial reproduction, carrying capacity, productivity, sampling procedures, population estimates, mortality, survival growth rates, and commercial and sport fisheries. (Spring, even years).
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5350G. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their ability to cause disease, emphasizing the biological basis for virulence, and research strategies for investigating infectious diseases. Students may take only one of BIO 5350G or BIO 5445 for credit. Prerequisite: BIO 2400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350I. Emerging Infectious Diseases.
Current topics in the emergence of viral and bacterial diseases in humans. This course will include new diseases, diseases previously seen and increasing in incidence, and diseases not previously seen in this country. This course will be of interest to students who are pursing advanced degrees and courses in microbiology, biochemistry, and cell and molecular biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350J. Environmental Physiology of Animals.
This course is a study of how animals respond physiologically to changes in environmental temperature, moisture, salinity, partial pressure of gases, and toxins. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350K. Genomics.
The course is a lecture course in modern genomics, including principles of genome function, the human genome, comparative genomics, genome sequencing, evolution and genomic change, databases and medicine, ethical, legal and social issues. The course also includes discussion of transcriptomics, proteomics, metabolomics, directed evolution, protein design, and systems biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350L. Graduate Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including epigenetics and post-transcriptional regulation involving small non-coding RNA.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350M. Wildlife Policy and Law in North America.
This course provides the student with a historical and cultural context within which wildlife policy and law (federal treaties, statutes, case law, and regulations) have developed in North America, particularly in the United States. Graduate students will research the development of Wildlife law in representative states as well.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350O. Tropical Ecology and Conservation.
Students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems.
3 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350P. Tropical Ecology and Conservation Lab.
This laboratory course complements the lecture course BIO 5350O, in which students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems. Corequisite: BIO 5350O.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Co-requisite(s): BIO 5350O
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Q. Biological Oceanography.
Students will be introduced to the principles of oceanography and will understand anthropogenic impacts on the oceans. Topics to be investigated will include: ocean formation and destruction, sediments, ocean circulation, waves, tides, estuaries, life in the oceans, hydrothermal vents, coral reefs, fisheries, marine pollution, and climate change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350R. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course is designed on topics of applied microbiology recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350T. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Must be accepted into the Texas State in Ireland Study Abroad Program.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350U. Ecology of Rarity.
This course will examine the ecology of rarity and its ability to inform public awareness and environmental policy. This course will explore how we define rarity, persistence and viability. Is rarity more or less common than might be expected, and is there anything we can or should do about it?.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Z. Diversity and Cultural Impact of Geoparks.
Students will explore biological differences in diversity across Geoparks in the United States and Ireland. Additionally, students will study the cultural impact that Geoparks have on the local community and national policy by focusing on differences between science communication strategies and community engagement practices conducted at the parks. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5351G. Omics Approach to Microbiology.
This course covers contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5356. Plant Physiology.
Basic principles of plant physiology are studied in lecture and laboratory. Previous courses in biochemistry and genetics are strongly recommended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5362. Environmental Impact Analysis.
Current government regulations regarding environmental impact, content of environmental impact statements, how to proceed with an impact study, application of ecological principles to impact studies, and steps in the review process for environmental impact statements are considered. (Spring, odd years). Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5366. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their relationship to disease, emphasizing critical evaluation of research literature, disease transmission and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5376. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course design is based on topics of applied microbiology as recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5377. Genome Informatics.
The course will cover basic knowledge on genomics and its bioinformatics tools. Students will learn current topics on genomics and bioinformatics, and will analyze genomic data using statistical software. All the analyses will be performed using a personal and a cluster computer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5390. Problems in the Biological Sciences.
Open to graduate students on an individual basis by arrangement with the faculty member concerned.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in BIO 5399B. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are used.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5400. Plants Important for Wildlife.
This course explores plant and plant part (specifically gall, fruit, seed, and twig) identification, phylogenetics, co-evolution of plant defenses, economic and ecological impacts of plant uses by wildlife.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5402. Earth Science I.
A study of astronomy and meteorology through observation, description, and interpretation of earth phenomena. Includes field observations, methods of measurement and interpretation of data related to the physical environment and space technology. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5403. Earth Science II.
The description and interpretation of earth phenomena considered from the standpoint of geology and oceanography. Includes field observations, methods of sampling and interpretation of data related to the physical environment. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5408. Science Processes and Research.
Students will analyze scientific research design, design research, interpret data, and communicate results. Stress will be placed on broad-field structure and integration of major science concepts and research-based science pedagogy. This course must be taken the semester prior to student teaching and is required for those seeking 7-12 Life Science or Science teacher certification. This course may not count as one of the four upper-level Biology courses required of general Biology majors, or one of the three upper-level Biology courses required of Biology minors.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5410. Field Biology of Plants.
Ecological relationships and natural history of plants, including historical geology, geography, soils, and vegetational regions of Central Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5411. Morphology of the Vascular Plants.
A phylogenetic survey of living and fossil vascular plants that focuses on external morphology and reproductive biology. Topics include phylogenetic reconstruction, the origin of vascular plants, seed reproduction, and the origin of angiosperms. Emphasis is on broad-scale evolutionary patterns and origin of major taxonomic groups.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5412. Plant Anatomy.
A descriptive and functional analysis of seed plants that focuses on internal structure. Topics include recognition and characterization of plant tissues, the structure of plant organs, and organ development. Emphasis is on pattern of tissue organization common to all seed plants and the functional basis for anatomical structure.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5413. Parasitology.
The biology and biological significance of the common parasites of man and animals.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5415. Ichthyology.
An introduction to the morphology, taxonomy, natural history, and evolution of fishes. Field trips will be made to collect specimens, and laboratory periods will be devoted to morphological and systematic analyses.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5418. Field Ornithology.
This course is designed to introduce and provide an advanced knowledge of the application of various field, laboratory, and statistical methods and techniques in the study of avian species. The course will include topics related to survey methodology, sampling design, marking/banding, measurement/sample extraction, and aging/sexing of avian species.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5419. Stream Ecology.
Class covers ecological theories, concepts, and processes occurring at the population, community, and ecosystem levels of organization in running water. Lab includes sampling methods, description and comparative studies, experiments, critical discussion of literature and experience in writing manuscripts. Prerequisite: Instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5420. Natural History of the Vertebrates.
Environmental relationships and natural history of vertebrates. Emphasis is on evolution taxonomy, speciation, behavior, and morphology. Laboratory will include field trips for the study and collection of vertebrates in their natural habitats. Students will assemble a representative collection of vertebrates.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5421. Ornithology.
Introduction to anatomy, behavior, ecology, and identification of the birds of Texas. Laboratory will emphasize field studies of birds and their habitat requirements.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5422. Mammalogy.
The taxonomy, distribution, ecology, behavior, and evolution of mammals with particular emphasis on wild mammals of the Southwest. Laboratory will emphasize anatomy, identification, preparation of specimens, and field exercises in methods of population analysis. Students may assemble representative mammal collection.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5423. Wildlife Management.
Application of ecological principles and natural history concepts to the management of wildlife habitats and populations. Laboratory will involve demonstrations and practice exercises with wildlife management techniques and instrumentation, and field trips to observe wildlife management projects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5424D. Vertebrate Endocrinology.
This course teaches function and organization of the endocrine system. It describes the major endocrine glands, the synthesis and release of their hormone products, and the interaction with target tissues. Endocrine control of digestion, growth, reproduction, and homeostasis will be compared between mammals and other vertebrate groups.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5426. Immunology.
A study of the immune response, antigen/antibody reactions, major histocompatibility complex, and immunopathology.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. Emphasis will be placed on North American species and those groups inhabiting Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5435. Techniques in Wildlife Management.
The basic methodology of practical wildlife management. This involves techniques in monitoring and data collection related to population dynamics and habitat parameters of wildlife species as well as field research.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5436. Tropical Biology.
This course entails an analysis and evaluation of the governing principles of tropical ecosystems, including wildlife ecologies, geological processes, and environmental-cultural interactions. In the laboratories, students will compare ecological relationships that influence tropical biology, discuss peer-reviewed literature and examine tropical flora and fauna during field trips to regional sub-tropical areas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5441. Cellular Physiology.
Advanced cellular biology, including membrane physiology, thermodynamics, energy transduction and distribution, and cellular movement in non-muscle and muscle cells. Laboratory includes discussion of current research and exercises in cellular physiology.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5442. Experimental Techniques.
Use of methods and instruments applicable to biological investigations, including colorimetry, UV-spectrophotometry, fluorescence, flame and atomic absorption spectrophotometry, paper, gas, gel filtration and ion exchange chromatography, radioactive counting, and electrophoresis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5443. Fish Physiology.
This course examines the primary physiological functions in fish including how fish sense and interact with the environment, maintain their energetic metabolism (respiration, digestion and excretion), reproduce and maintain water balance. Students will learn about the diverse adaptions fish use to cope with environmental and physiological challenges.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5448. Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including post-transcriptional regulation involving small non-coding RNA. In addition graduate students will also write a critical review on a research article from relevant topic.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5450. Physiological Ecology of Animals.
Course brings together the principle concepts of environmental physiology of animals. The biological problems associated with living in various ecological realms will be discussed, and the biochemical and physiological adaptations of animals to their diverse habitats will be studied.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5454. Plant Ecology.
Functional ecology of terrestrial plants, plant populations, and communities. Laboratory emphasizes quantitative and experimental approaches to plant ecology and the use of field and laboratory physiology equipment.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5465. General Entomology.
Principles of morphology, physiology, and taxonomy of insects. Laboratory time will be devoted to a taxonomic study of the common orders and families of insects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5466. Phylogenetic Methods.
Reconstructing phylogenies is important in most fields of biology. Course emphasis is on practical data collection, management, and analysis. Laboratory exercises will introduce phylogenetic and DNA analysis software, and WWW resources. Students will learn how to address questions in their own research using phylogenetic methodologies.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5470. Limnology.
Physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnology sampling methods, chemical and biological analysis of samples, and hydrographic surveying are included in the laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5471. Reservoir Ecology.
Study of the physical, geological, chemical, and biological factors that influence and make up reservoir ecosystems.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5472. Animal Behavior.
This course presents all the major facets of the study of animal behavior, giving special attention to its evolution and ecological significance. We will discuss major conceptual models guiding past and present research in the field. Laboratories will emphasize experimental techniques and statistical analysis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 5480. Cytology and Micro-technique.
Study of cellular ultra-structure and electron micro technique. Lecture portion of course will cover cytology of all cell types and theoretical aspects of light microscopy and electron microscopy. Laboratory portion will train students to proficiency in microscopy.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5481. Internship in Biological Laboratory Technologies.
The student will participate in the work of a selected biology unit (private, commercial, or governmental). A research paper reporting the internship experience conducted at the biological unit under the supervision of a faculty member will be required. This course may be credited toward a biology major with prior approval of the graduate advisor and department chair.
4 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5485. Scanning Electron Microscopy.
A course on theory of operation and practical use of the scanning electron microscope as applied to biological materials. The course includes aspects of specimen preparation, photomicroscopy, micrograph interpretation, and microscope maintenance procedures. The course will provide the student training necessary to independently do scanning electron microscopy.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5490. Principles of Developmental Biology.
This course will cover basic principles of developmental biology in both plant and animal systems. The course will mainly address cell, molecular and genetic mechanisms underlying the development of model organisms, mainly focusing on Drosophila (animal) and Arabidopsis (plant).
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Biology (Thesis Option)

Major Program

Graduate study in biology integrates classroom and field or laboratory experience to help meet the current and future scientific needs of society.

The Biology department offers students opportunities to study in the field or in modern facilities with up-to-date instrumentation and resources, including a DNA-sequencing unit, an integrated microscopy facility, high-speed digital networks and computing centers, a GIS lab, greenhouses, wet labs and extensive plant, animal and paleobotanical collections.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current

academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in biology or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose describing professional aspirations and rationale for pursuing graduate study in biology
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study
- mentor communication (intent to mentor letter) from a Biology Department faculty member.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Science (M.S.) degree with a major in Biology requires 30 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
Select one of the following seminar options:		3-4
Option A - Take 3 hours from the following:		
BIO 5110	Seminar in Biology	
BIO 7102	Seminar in Aquatic Resources	
BIO 7120	Population Biology Seminar	
Option B - Take 2 seminar courses from Option A and:		
BIO 5295	Fundamentals of Research	
Electives		
Choose 21 hours of 5000- or 7000-level courses		21
May choose 2 advisor-approved courses outside the department		
Thesis		
BIO 5399A	Thesis	3
Choose a minimum of 3 hours from the following		3
BIO 5199B	Thesis	
BIO 5299B	Thesis	
BIO 5399B	Thesis	
BIO 5599B	Thesis	
BIO 5999B	Thesis	
Total Hours		30-31

Comprehensive Examination Requirements

All candidates for master's degrees in the Department of Biology must pass a comprehensive final examination administered by the student's committee. The examination may be oral or written and must cover, at a minimum, the student's field of concentration and the thesis, if one was written. The results of this exam should be reported on the "Master's Comprehensive Examination Report" form, which can be downloaded from The Graduate College website and which must be filed in the office of The Graduate College at least 10 days prior to the date of expected graduation.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Biology: BIO

Courses Offered

Biology (BIO)

BIO 5100. Professional Development.
This course is seminar-based and covers topics related to teaching, research, and employment responsibilities. Completion of the course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis. Graded on a credit (CR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

BIO 5110. Seminar in Biology.
Interactive discussion of timely issues and problems, designed to expose students to the current literature in their fields of interest and its critical analysis. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Header
Grade Mode: Standard Letter

BIO 5114. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5214 and BIO 5314.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5166. Medical Microbiology Laboratory.
This graduate laboratory-based course will cover pathogenic bacteria emphasizing identification of selected groups of pathogens and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5176. Microbial Biotechnology Laboratory.
This laboratory-based course will cover use of microbes for biotechnological applications and is designed to provide practical explorations into fields of biotechnology. Topics include laboratory techniques for recombinant protein purification, fermentation, identification of markers in genetically modified food and bio-remediation of pollutants. Corequisite: BIO 5376.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5214. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5314.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5295. Fundamentals of Research.
Designed to acquaint the beginning graduate student with materials and methods of research in the biological sciences. It is recommended that a graduate student take this course the first semester in residence.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5300. Neurobiology.
This course presents the biology of the nervous system with emphasis on the human nervous system. Topics presented in lecture include neuroanatomy, cellular neurobiology, neurophysiology, developmental neurobiology, and neuronal plasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5301. Evolution.
Basic genetic principles applied to natural selection, adaptation, populations, and speciation. Consideration is given to the origin of life, nature of chromosomal variation, evolution of genetic systems, and certain other selected topics.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5304. Wildlife and Recreation: Impact and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5305. Methods of Nature Study for Teachers.
This course provides a comprehensive survey of natural events. It includes laboratory and field work emphasizing observation, collection and discovery of relationships. It is creditable only for those seeking elementary or middle school certification and is required for those seeking grade 4-8 Science or Science/Mathematics teaching certification. This course must be taken the semester immediately prior to student teaching.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5311. Cancer Biology.
Cancer Biology provides a foundation for understanding the complex molecular, biochemical, and cellular processes associated with cancer development. Topics include the role of tumor suppressor genes, oncogenes, DNA repair, apoptosis, ECM, cell-cycle control, cell signaling pathways, immune function and cancer-causing viruses. Emerging diagnostics and/or therapeutics will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5314. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5319C. Ecotoxicology.
Topics to be covered include sources, types, and fates of toxicants, organism response to toxicants, toxicant effects at the population, community, and ecosystem levels, and monitoring and risk assessment. Examination of current literature will form the core of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5319F. Watershed Management Frameworks and Applications.
Introduction to integrated watershed assessment and management tools for identifying programmatic water quality and quantity issues and their root causes and solutions, and their practical application. The scientific and socio-economic elements are considered within the context of planning and developing watershed protection plans and programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5319G. Omics Approach to Microbiology.
The course will discuss contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5327. Issues in Irish Biodiversity and Conservation.
In this course, students will learn about Irish flora and fauna, ecosystems, conservation strategies in areas of high ecological concern, and public involvement. Emphasis will be placed on case studies and service-learning opportunities. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5328. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5329. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and overwintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5331. Human Dimensions of Wildlife and Fisheries Conservation.
Humans play a role in nearly every aspect of wildlife and fisheries conservation. This course will provide students with principles, concepts, and case studies to understand how the human experience (e.g., culture, politics, economics) influences conservation outcomes. Students will also have an opportunity to integrate human dimensions into local decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5335. Fisheries Management.
An introduction to principles and techniques in fisheries management. Includes the study of artificial reproduction, carrying capacity, productivity, sampling procedures, population estimates, mortality, survival growth rates, and commercial and sport fisheries. (Spring, even years).
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5350G. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their ability to cause disease, emphasizing the biological basis for virulence, and research strategies for investigating infectious diseases. Students may take only one of BIO 5350G or BIO 5445 for credit. Prerequisite: BIO 2400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350I. Emerging Infectious Diseases.
Current topics in the emergence of viral and bacterial diseases in humans. This course will include new diseases, diseases previously seen and increasing in incidence, and diseases not previously seen in this country. This course will be of interest to students who are pursing advanced degrees and courses in microbiology, biochemistry, and cell and molecular biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350J. Environmental Physiology of Animals.
This course is a study of how animals respond physiologically to changes in environmental temperature, moisture, salinity, partial pressure of gases, and toxins. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350K. Genomics.
The course is a lecture course in modern genomics, including principles of genome function, the human genome, comparative genomics, genome sequencing, evolution and genomic change, databases and medicine, ethical, legal and social issues. The course also includes discussion of transcriptomics, proteomics, metabolomics, directed evolution, protein design, and systems biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350L. Graduate Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including epigenetics and post-transcriptional regulation involving small non-coding RNA.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350M. Wildlife Policy and Law in North America.
This course provides the student with a historical and cultural context within which wildlife policy and law (federal treaties, statutes, case law, and regulations) have developed in North America, particularly in the United States. Graduate students will research the development of Wildlife law in representative states as well.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350O. Tropical Ecology and Conservation.
Students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems.
3 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350P. Tropical Ecology and Conservation Lab.
This laboratory course complements the lecture course BIO 5350O, in which students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems. Corequisite: BIO 5350O.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Co-requisite(s): BIO 5350O
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Q. Biological Oceanography.
Students will be introduced to the principles of oceanography and will understand anthropogenic impacts on the oceans. Topics to be investigated will include: ocean formation and destruction, sediments, ocean circulation, waves, tides, estuaries, life in the oceans, hydrothermal vents, coral reefs, fisheries, marine pollution, and climate change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350R. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course is designed on topics of applied microbiology recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350T. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Must be accepted into the Texas State in Ireland Study Abroad Program.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350U. Ecology of Rarity.
This course will examine the ecology of rarity and its ability to inform public awareness and environmental policy. This course will explore how we define rarity, persistence and viability. Is rarity more or less common than might be expected, and is there anything we can or should do about it?.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Z. Diversity and Cultural Impact of Geoparks.
Students will explore biological differences in diversity across Geoparks in the United States and Ireland. Additionally, students will study the cultural impact that Geoparks have on the local community and national policy by focusing on differences between science communication strategies and community engagement practices conducted at the parks. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5351G. Omics Approach to Microbiology.
This course covers contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5356. Plant Physiology.
Basic principles of plant physiology are studied in lecture and laboratory. Previous courses in biochemistry and genetics are strongly recommended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5362. Environmental Impact Analysis.
Current government regulations regarding environmental impact, content of environmental impact statements, how to proceed with an impact study, application of ecological principles to impact studies, and steps in the review process for environmental impact statements are considered. (Spring, odd years). Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5366. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their relationship to disease, emphasizing critical evaluation of research literature, disease transmission and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5376. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course design is based on topics of applied microbiology as recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5377. Genome Informatics.
The course will cover basic knowledge on genomics and its bioinformatics tools. Students will learn current topics on genomics and bioinformatics, and will analyze genomic data using statistical software. All the analyses will be performed using a personal and a cluster computer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5390. Problems in the Biological Sciences.
Open to graduate students on an individual basis by arrangement with the faculty member concerned.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in BIO 5399B. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are used.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5400. Plants Important for Wildlife.
This course explores plant and plant part (specifically gall, fruit, seed, and twig) identification, phylogenetics, co-evolution of plant defenses, economic and ecological impacts of plant uses by wildlife.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5402. Earth Science I.
A study of astronomy and meteorology through observation, description, and interpretation of earth phenomena. Includes field observations, methods of measurement and interpretation of data related to the physical environment and space technology. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5403. Earth Science II.
The description and interpretation of earth phenomena considered from the standpoint of geology and oceanography. Includes field observations, methods of sampling and interpretation of data related to the physical environment. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5408. Science Processes and Research.
Students will analyze scientific research design, design research, interpret data, and communicate results. Stress will be placed on broad-field structure and integration of major science concepts and research-based science pedagogy. This course must be taken the semester prior to student teaching and is required for those seeking 7-12 Life Science or Science teacher certification. This course may not count as one of the four upper-level Biology courses required of general Biology majors, or one of the three upper-level Biology courses required of Biology minors.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5410. Field Biology of Plants.
Ecological relationships and natural history of plants, including historical geology, geography, soils, and vegetational regions of Central Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5411. Morphology of the Vascular Plants.
A phylogenetic survey of living and fossil vascular plants that focuses on external morphology and reproductive biology. Topics include phylogenetic reconstruction, the origin of vascular plants, seed reproduction, and the origin of angiosperms. Emphasis is on broad-scale evolutionary patterns and origin of major taxonomic groups.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5412. Plant Anatomy.
A descriptive and functional analysis of seed plants that focuses on internal structure. Topics include recognition and characterization of plant tissues, the structure of plant organs, and organ development. Emphasis is on pattern of tissue organization common to all seed plants and the functional basis for anatomical structure.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5413. Parasitology.
The biology and biological significance of the common parasites of man and animals.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5415. Ichthyology.
An introduction to the morphology, taxonomy, natural history, and evolution of fishes. Field trips will be made to collect specimens, and laboratory periods will be devoted to morphological and systematic analyses.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5418. Field Ornithology.
This course is designed to introduce and provide an advanced knowledge of the application of various field, laboratory, and statistical methods and techniques in the study of avian species. The course will include topics related to survey methodology, sampling design, marking/banding, measurement/sample extraction, and aging/sexing of avian species.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5419. Stream Ecology.
Class covers ecological theories, concepts, and processes occurring at the population, community, and ecosystem levels of organization in running water. Lab includes sampling methods, description and comparative studies, experiments, critical discussion of literature and experience in writing manuscripts. Prerequisite: Instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5420. Natural History of the Vertebrates.
Environmental relationships and natural history of vertebrates. Emphasis is on evolution taxonomy, speciation, behavior, and morphology. Laboratory will include field trips for the study and collection of vertebrates in their natural habitats. Students will assemble a representative collection of vertebrates.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5421. Ornithology.
Introduction to anatomy, behavior, ecology, and identification of the birds of Texas. Laboratory will emphasize field studies of birds and their habitat requirements.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5422. Mammalogy.
The taxonomy, distribution, ecology, behavior, and evolution of mammals with particular emphasis on wild mammals of the Southwest. Laboratory will emphasize anatomy, identification, preparation of specimens, and field exercises in methods of population analysis. Students may assemble representative mammal collection.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5423. Wildlife Management.
Application of ecological principles and natural history concepts to the management of wildlife habitats and populations. Laboratory will involve demonstrations and practice exercises with wildlife management techniques and instrumentation, and field trips to observe wildlife management projects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5424D. Vertebrate Endocrinology.
This course teaches function and organization of the endocrine system. It describes the major endocrine glands, the synthesis and release of their hormone products, and the interaction with target tissues. Endocrine control of digestion, growth, reproduction, and homeostasis will be compared between mammals and other vertebrate groups.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5426. Immunology.
A study of the immune response, antigen/antibody reactions, major histocompatibility complex, and immunopathology.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. Emphasis will be placed on North American species and those groups inhabiting Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5435. Techniques in Wildlife Management.
The basic methodology of practical wildlife management. This involves techniques in monitoring and data collection related to population dynamics and habitat parameters of wildlife species as well as field research.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5436. Tropical Biology.
This course entails an analysis and evaluation of the governing principles of tropical ecosystems, including wildlife ecologies, geological processes, and environmental-cultural interactions. In the laboratories, students will compare ecological relationships that influence tropical biology, discuss peer-reviewed literature and examine tropical flora and fauna during field trips to regional sub-tropical areas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5441. Cellular Physiology.
Advanced cellular biology, including membrane physiology, thermodynamics, energy transduction and distribution, and cellular movement in non-muscle and muscle cells. Laboratory includes discussion of current research and exercises in cellular physiology.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5442. Experimental Techniques.
Use of methods and instruments applicable to biological investigations, including colorimetry, UV-spectrophotometry, fluorescence, flame and atomic absorption spectrophotometry, paper, gas, gel filtration and ion exchange chromatography, radioactive counting, and electrophoresis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5443. Fish Physiology.
This course examines the primary physiological functions in fish including how fish sense and interact with the environment, maintain their energetic metabolism (respiration, digestion and excretion), reproduce and maintain water balance. Students will learn about the diverse adaptions fish use to cope with environmental and physiological challenges.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5448. Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including post-transcriptional regulation involving small non-coding RNA. In addition graduate students will also write a critical review on a research article from relevant topic.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5450. Physiological Ecology of Animals.
Course brings together the principle concepts of environmental physiology of animals. The biological problems associated with living in various ecological realms will be discussed, and the biochemical and physiological adaptations of animals to their diverse habitats will be studied.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5454. Plant Ecology.
Functional ecology of terrestrial plants, plant populations, and communities. Laboratory emphasizes quantitative and experimental approaches to plant ecology and the use of field and laboratory physiology equipment.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5465. General Entomology.
Principles of morphology, physiology, and taxonomy of insects. Laboratory time will be devoted to a taxonomic study of the common orders and families of insects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5466. Phylogenetic Methods.
Reconstructing phylogenies is important in most fields of biology. Course emphasis is on practical data collection, management, and analysis. Laboratory exercises will introduce phylogenetic and DNA analysis software, and WWW resources. Students will learn how to address questions in their own research using phylogenetic methodologies.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5470. Limnology.
Physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnology sampling methods, chemical and biological analysis of samples, and hydrographic surveying are included in the laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5471. Reservoir Ecology.
Study of the physical, geological, chemical, and biological factors that influence and make up reservoir ecosystems.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5472. Animal Behavior.
This course presents all the major facets of the study of animal behavior, giving special attention to its evolution and ecological significance. We will discuss major conceptual models guiding past and present research in the field. Laboratories will emphasize experimental techniques and statistical analysis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 5480. Cytology and Micro-technique.
Study of cellular ultra-structure and electron micro technique. Lecture portion of course will cover cytology of all cell types and theoretical aspects of light microscopy and electron microscopy. Laboratory portion will train students to proficiency in microscopy.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5481. Internship in Biological Laboratory Technologies.
The student will participate in the work of a selected biology unit (private, commercial, or governmental). A research paper reporting the internship experience conducted at the biological unit under the supervision of a faculty member will be required. This course may be credited toward a biology major with prior approval of the graduate advisor and department chair.
4 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5485. Scanning Electron Microscopy.
A course on theory of operation and practical use of the scanning electron microscope as applied to biological materials. The course includes aspects of specimen preparation, photomicroscopy, micrograph interpretation, and microscope maintenance procedures. The course will provide the student training necessary to independently do scanning electron microscopy.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5490. Principles of Developmental Biology.
This course will cover basic principles of developmental biology in both plant and animal systems. The course will mainly address cell, molecular and genetic mechanisms underlying the development of model organisms, mainly focusing on Drosophila (animal) and Arabidopsis (plant).
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Biology (Thesis Science or Geography Minor Option)

Major Program

Graduate study in biology integrates classroom and field or laboratory experience to help meet the current and future scientific needs of society.

The Biology department offers students opportunities to study in the field or in modern facilities with up-to-date instrumentation and resources, including a DNA-sequencing unit, an integrated microscopy facility, high-speed digital networks and computing centers, a GIS lab, greenhouses, wet labs and extensive plant, animal and paleobotanical collections.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic

year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in biology or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV
- statement of purpose describing professional aspirations and rationale for pursuing graduate study in biology
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study
- mentor communication (intent to mentor letter) from a Biology Department faculty member.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Science (M.S.) degree with a major in Biology requires 30 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
Select one of the following seminar options:		3-4
Option A - Take 3 hours from the following:		
BIO 5110	Seminar in Biology	
BIO 7102	Seminar in Aquatic Resources	
BIO 7120	Population Biology Seminar	
Option B - Take 2 seminar courses from Option A and:		
BIO 5295	Fundamentals of Research	
Electives		
Choose 15 hours of 5000- or 7000-level courses		15
May choose 2 advisor-approved electives outside the department		
Minor		
Choose a 6-hour advisor-approved minor from the College of Science and Engineering or the Department of Geography		6
Thesis		
BIO 5399A	Thesis	3
Select a minimum of 3 hours from the following		3
BIO 5199B	Thesis	
BIO 5299B	Thesis	
BIO 5399B	Thesis	
BIO 5599B	Thesis	
BIO 5999B	Thesis	
Total Hours		30-31

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Biology: BIO

Courses Offered

Biology (BIO)

BIO 5100. Professional Development.
This course is seminar-based and covers topics related to teaching, research, and employment responsibilities. Completion of the course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis. Graded on a credit (CR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

BIO 5110. Seminar in Biology.
Interactive discussion of timely issues and problems, designed to expose students to the current literature in their fields of interest and its critical analysis. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Header
Grade Mode: Standard Letter

BIO 5114. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5214 and BIO 5314.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5166. Medical Microbiology Laboratory.
This graduate laboratory-based course will cover pathogenic bacteria emphasizing identification of selected groups of pathogens and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5176. Microbial Biotechnology Laboratory.
This laboratory-based course will cover use of microbes for biotechnological applications and is designed to provide practical explorations into fields of biotechnology. Topics include laboratory techniques for recombinant protein purification, fermentation, identification of markers in genetically modified food and bio-remediation of pollutants. Corequisite: BIO 5376.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5214. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5314.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5295. Fundamentals of Research.
Designed to acquaint the beginning graduate student with materials and methods of research in the biological sciences. It is recommended that a graduate student take this course the first semester in residence.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5300. Neurobiology.
This course presents the biology of the nervous system with emphasis on the human nervous system. Topics presented in lecture include neuroanatomy, cellular neurobiology, neurophysiology, developmental neurobiology, and neuronal plasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5301. Evolution.
Basic genetic principles applied to natural selection, adaptation, populations, and speciation. Consideration is given to the origin of life, nature of chromosomal variation, evolution of genetic systems, and certain other selected topics.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5304. Wildlife and Recreation: Impact and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5305. Methods of Nature Study for Teachers.
This course provides a comprehensive survey of natural events. It includes laboratory and field work emphasizing observation, collection and discovery of relationships. It is creditable only for those seeking elementary or middle school certification and is required for those seeking grade 4-8 Science or Science/Mathematics teaching certification. This course must be taken the semester immediately prior to student teaching.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5311. Cancer Biology.
Cancer Biology provides a foundation for understanding the complex molecular, biochemical, and cellular processes associated with cancer development. Topics include the role of tumor suppressor genes, oncogenes, DNA repair, apoptosis, ECM, cell-cycle control, cell signaling pathways, immune function and cancer-causing viruses. Emerging diagnostics and/or therapeutics will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5314. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5319C. Ecotoxicology.
Topics to be covered include sources, types, and fates of toxicants, organism response to toxicants, toxicant effects at the population, community, and ecosystem levels, and monitoring and risk assessment. Examination of current literature will form the core of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5319F. Watershed Management Frameworks and Applications.
Introduction to integrated watershed assessment and management tools for identifying programmatic water quality and quantity issues and their root causes and solutions, and their practical application. The scientific and socio-economic elements are considered within the context of planning and developing watershed protection plans and programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5319G. Omics Approach to Microbiology.
The course will discuss contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5327. Issues in Irish Biodiversity and Conservation.
In this course, students will learn about Irish flora and fauna, ecosystems, conservation strategies in areas of high ecological concern, and public involvement. Emphasis will be placed on case studies and service-learning opportunities. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5328. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5329. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and overwintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5331. Human Dimensions of Wildlife and Fisheries Conservation.
Humans play a role in nearly every aspect of wildlife and fisheries conservation. This course will provide students with principles, concepts, and case studies to understand how the human experience (e.g., culture, politics, economics) influences conservation outcomes. Students will also have an opportunity to integrate human dimensions into local decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5335. Fisheries Management.
An introduction to principles and techniques in fisheries management. Includes the study of artificial reproduction, carrying capacity, productivity, sampling procedures, population estimates, mortality, survival growth rates, and commercial and sport fisheries. (Spring, even years).
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5350G. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their ability to cause disease, emphasizing the biological basis for virulence, and research strategies for investigating infectious diseases. Students may take only one of BIO 5350G or BIO 5445 for credit. Prerequisite: BIO 2400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350I. Emerging Infectious Diseases.
Current topics in the emergence of viral and bacterial diseases in humans. This course will include new diseases, diseases previously seen and increasing in incidence, and diseases not previously seen in this country. This course will be of interest to students who are pursing advanced degrees and courses in microbiology, biochemistry, and cell and molecular biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350J. Environmental Physiology of Animals.
This course is a study of how animals respond physiologically to changes in environmental temperature, moisture, salinity, partial pressure of gases, and toxins. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350K. Genomics.
The course is a lecture course in modern genomics, including principles of genome function, the human genome, comparative genomics, genome sequencing, evolution and genomic change, databases and medicine, ethical, legal and social issues. The course also includes discussion of transcriptomics, proteomics, metabolomics, directed evolution, protein design, and systems biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350L. Graduate Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including epigenetics and post-transcriptional regulation involving small non-coding RNA.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350M. Wildlife Policy and Law in North America.
This course provides the student with a historical and cultural context within which wildlife policy and law (federal treaties, statutes, case law, and regulations) have developed in North America, particularly in the United States. Graduate students will research the development of Wildlife law in representative states as well.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350O. Tropical Ecology and Conservation.
Students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems.
3 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350P. Tropical Ecology and Conservation Lab.
This laboratory course complements the lecture course BIO 5350O, in which students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems. Corequisite: BIO 5350O.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Co-requisite(s): BIO 5350O
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Q. Biological Oceanography.
Students will be introduced to the principles of oceanography and will understand anthropogenic impacts on the oceans. Topics to be investigated will include: ocean formation and destruction, sediments, ocean circulation, waves, tides, estuaries, life in the oceans, hydrothermal vents, coral reefs, fisheries, marine pollution, and climate change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350R. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course is designed on topics of applied microbiology recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350T. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Must be accepted into the Texas State in Ireland Study Abroad Program.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350U. Ecology of Rarity.
This course will examine the ecology of rarity and its ability to inform public awareness and environmental policy. This course will explore how we define rarity, persistence and viability. Is rarity more or less common than might be expected, and is there anything we can or should do about it?.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Z. Diversity and Cultural Impact of Geoparks.
Students will explore biological differences in diversity across Geoparks in the United States and Ireland. Additionally, students will study the cultural impact that Geoparks have on the local community and national policy by focusing on differences between science communication strategies and community engagement practices conducted at the parks. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5351G. Omics Approach to Microbiology.
This course covers contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5356. Plant Physiology.
Basic principles of plant physiology are studied in lecture and laboratory. Previous courses in biochemistry and genetics are strongly recommended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5362. Environmental Impact Analysis.
Current government regulations regarding environmental impact, content of environmental impact statements, how to proceed with an impact study, application of ecological principles to impact studies, and steps in the review process for environmental impact statements are considered. (Spring, odd years). Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5366. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their relationship to disease, emphasizing critical evaluation of research literature, disease transmission and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5376. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course design is based on topics of applied microbiology as recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5377. Genome Informatics.
The course will cover basic knowledge on genomics and its bioinformatics tools. Students will learn current topics on genomics and bioinformatics, and will analyze genomic data using statistical software. All the analyses will be performed using a personal and a cluster computer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5390. Problems in the Biological Sciences.
Open to graduate students on an individual basis by arrangement with the faculty member concerned.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in BIO 5399B. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are used.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5400. Plants Important for Wildlife.
This course explores plant and plant part (specifically gall, fruit, seed, and twig) identification, phylogenetics, co-evolution of plant defenses, economic and ecological impacts of plant uses by wildlife.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5402. Earth Science I.
A study of astronomy and meteorology through observation, description, and interpretation of earth phenomena. Includes field observations, methods of measurement and interpretation of data related to the physical environment and space technology. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5403. Earth Science II.
The description and interpretation of earth phenomena considered from the standpoint of geology and oceanography. Includes field observations, methods of sampling and interpretation of data related to the physical environment. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5408. Science Processes and Research.
Students will analyze scientific research design, design research, interpret data, and communicate results. Stress will be placed on broad-field structure and integration of major science concepts and research-based science pedagogy. This course must be taken the semester prior to student teaching and is required for those seeking 7-12 Life Science or Science teacher certification. This course may not count as one of the four upper-level Biology courses required of general Biology majors, or one of the three upper-level Biology courses required of Biology minors.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5410. Field Biology of Plants.
Ecological relationships and natural history of plants, including historical geology, geography, soils, and vegetational regions of Central Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5411. Morphology of the Vascular Plants.
A phylogenetic survey of living and fossil vascular plants that focuses on external morphology and reproductive biology. Topics include phylogenetic reconstruction, the origin of vascular plants, seed reproduction, and the origin of angiosperms. Emphasis is on broad-scale evolutionary patterns and origin of major taxonomic groups.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5412. Plant Anatomy.
A descriptive and functional analysis of seed plants that focuses on internal structure. Topics include recognition and characterization of plant tissues, the structure of plant organs, and organ development. Emphasis is on pattern of tissue organization common to all seed plants and the functional basis for anatomical structure.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5413. Parasitology.
The biology and biological significance of the common parasites of man and animals.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5415. Ichthyology.
An introduction to the morphology, taxonomy, natural history, and evolution of fishes. Field trips will be made to collect specimens, and laboratory periods will be devoted to morphological and systematic analyses.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5418. Field Ornithology.
This course is designed to introduce and provide an advanced knowledge of the application of various field, laboratory, and statistical methods and techniques in the study of avian species. The course will include topics related to survey methodology, sampling design, marking/banding, measurement/sample extraction, and aging/sexing of avian species.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5419. Stream Ecology.
Class covers ecological theories, concepts, and processes occurring at the population, community, and ecosystem levels of organization in running water. Lab includes sampling methods, description and comparative studies, experiments, critical discussion of literature and experience in writing manuscripts. Prerequisite: Instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5420. Natural History of the Vertebrates.
Environmental relationships and natural history of vertebrates. Emphasis is on evolution taxonomy, speciation, behavior, and morphology. Laboratory will include field trips for the study and collection of vertebrates in their natural habitats. Students will assemble a representative collection of vertebrates.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5421. Ornithology.
Introduction to anatomy, behavior, ecology, and identification of the birds of Texas. Laboratory will emphasize field studies of birds and their habitat requirements.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5422. Mammalogy.
The taxonomy, distribution, ecology, behavior, and evolution of mammals with particular emphasis on wild mammals of the Southwest. Laboratory will emphasize anatomy, identification, preparation of specimens, and field exercises in methods of population analysis. Students may assemble representative mammal collection.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5423. Wildlife Management.
Application of ecological principles and natural history concepts to the management of wildlife habitats and populations. Laboratory will involve demonstrations and practice exercises with wildlife management techniques and instrumentation, and field trips to observe wildlife management projects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5424D. Vertebrate Endocrinology.
This course teaches function and organization of the endocrine system. It describes the major endocrine glands, the synthesis and release of their hormone products, and the interaction with target tissues. Endocrine control of digestion, growth, reproduction, and homeostasis will be compared between mammals and other vertebrate groups.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5426. Immunology.
A study of the immune response, antigen/antibody reactions, major histocompatibility complex, and immunopathology.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. Emphasis will be placed on North American species and those groups inhabiting Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5435. Techniques in Wildlife Management.
The basic methodology of practical wildlife management. This involves techniques in monitoring and data collection related to population dynamics and habitat parameters of wildlife species as well as field research.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5436. Tropical Biology.
This course entails an analysis and evaluation of the governing principles of tropical ecosystems, including wildlife ecologies, geological processes, and environmental-cultural interactions. In the laboratories, students will compare ecological relationships that influence tropical biology, discuss peer-reviewed literature and examine tropical flora and fauna during field trips to regional sub-tropical areas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5441. Cellular Physiology.
Advanced cellular biology, including membrane physiology, thermodynamics, energy transduction and distribution, and cellular movement in non-muscle and muscle cells. Laboratory includes discussion of current research and exercises in cellular physiology.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5442. Experimental Techniques.
Use of methods and instruments applicable to biological investigations, including colorimetry, UV-spectrophotometry, fluorescence, flame and atomic absorption spectrophotometry, paper, gas, gel filtration and ion exchange chromatography, radioactive counting, and electrophoresis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5443. Fish Physiology.
This course examines the primary physiological functions in fish including how fish sense and interact with the environment, maintain their energetic metabolism (respiration, digestion and excretion), reproduce and maintain water balance. Students will learn about the diverse adaptions fish use to cope with environmental and physiological challenges.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5448. Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including post-transcriptional regulation involving small non-coding RNA. In addition graduate students will also write a critical review on a research article from relevant topic.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5450. Physiological Ecology of Animals.
Course brings together the principle concepts of environmental physiology of animals. The biological problems associated with living in various ecological realms will be discussed, and the biochemical and physiological adaptations of animals to their diverse habitats will be studied.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5454. Plant Ecology.
Functional ecology of terrestrial plants, plant populations, and communities. Laboratory emphasizes quantitative and experimental approaches to plant ecology and the use of field and laboratory physiology equipment.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5465. General Entomology.
Principles of morphology, physiology, and taxonomy of insects. Laboratory time will be devoted to a taxonomic study of the common orders and families of insects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5466. Phylogenetic Methods.
Reconstructing phylogenies is important in most fields of biology. Course emphasis is on practical data collection, management, and analysis. Laboratory exercises will introduce phylogenetic and DNA analysis software, and WWW resources. Students will learn how to address questions in their own research using phylogenetic methodologies.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5470. Limnology.
Physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnology sampling methods, chemical and biological analysis of samples, and hydrographic surveying are included in the laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5471. Reservoir Ecology.
Study of the physical, geological, chemical, and biological factors that influence and make up reservoir ecosystems.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5472. Animal Behavior.
This course presents all the major facets of the study of animal behavior, giving special attention to its evolution and ecological significance. We will discuss major conceptual models guiding past and present research in the field. Laboratories will emphasize experimental techniques and statistical analysis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 5480. Cytology and Micro-technique.
Study of cellular ultra-structure and electron micro technique. Lecture portion of course will cover cytology of all cell types and theoretical aspects of light microscopy and electron microscopy. Laboratory portion will train students to proficiency in microscopy.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5481. Internship in Biological Laboratory Technologies.
The student will participate in the work of a selected biology unit (private, commercial, or governmental). A research paper reporting the internship experience conducted at the biological unit under the supervision of a faculty member will be required. This course may be credited toward a biology major with prior approval of the graduate advisor and department chair.
4 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5485. Scanning Electron Microscopy.
A course on theory of operation and practical use of the scanning electron microscope as applied to biological materials. The course includes aspects of specimen preparation, photomicroscopy, micrograph interpretation, and microscope maintenance procedures. The course will provide the student training necessary to independently do scanning electron microscopy.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5490. Principles of Developmental Biology.
This course will cover basic principles of developmental biology in both plant and animal systems. The course will mainly address cell, molecular and genetic mechanisms underlying the development of model organisms, mainly focusing on Drosophila (animal) and Arabidopsis (plant).
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Population and Conservation Biology

Major Program

The program represents an interdisciplinary course of study that combines principles of population biology with strong training in measurement and analysis of biological systems augmented with the student's choice of study in particular specialties.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the

International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in biology or related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- mentor communication (intent to mentor letter) from a Biology Department faculty member.
- resume/CV
- statement of purpose describing professional aspirations and rationale for pursuing graduate study
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Science (M.S.) degree with a major in Population and Conservation Biology requires 30 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
BIO 7120	Population Biology Seminar (Taken twice)	2
BIO 7405	Statistics and Experimental Design I	4
BIO 7406	Statistics and Experimental Design II	4
Choose 6-8 hours from the following: [1]		6-8
BIO 7336	Evolutionary Ecology	
BIO 7346	Conservation Biology	
BIO 7360R	Special Topics in Aquatic Resources: Community and Ecosystem Ecology	
BIO 7367	Behavioral Ecology	
BIO 7427	Principles of Population Biology I	
BIO 7428	Principles of Population Biology II	
BIO 7433	Population Genetics	
BIO 7466	Phylogenetics	
BIO 7469	Introduction to Ecological Modeling	
Electives		
Choose 6-8 hours from the following: [1, 2]		6-8
BIO 5295	Fundamentals of Research	
BIO 5301	Evolution	
BIO 5335	Fisheries Management	
BIO 5362	Environmental Impact Analysis	
BIO 5410	Field Biology of Plants	
BIO 5423	Wildlife Management	
BIO 5435	Techniques in Wildlife Management	
BIO 5450	Physiological Ecology of Animals	
BIO 5454	Plant Ecology	
BIO 5472	Animal Behavior	
BIO 7308	History of Vegetation and Climate	
BIO 7325	Wildlife and Recreation: Impact, Policy, and Management	
BIO 7353	Biogeography	
BIO 7402	Molecular Field Techniques	
BIO 7410	Aquatic Microbial Ecology	
BIO 7414	Ecology of Infectious Diseases of Wildlife	
BIO 7419	Stream Ecology	
BIO 7421	Landscape Dynamics	
BIO 7422	Wetlands Ecology	
BIO 7471	Reservoir Ecology	
GEO 5415	Geographic Applications of Remote Sensing	
GEO 5417	Advanced Cartographic Design	
GEO 5418	Geographic Information Systems I	
GEO 5419	Geographic Information Systems II	
Thesis		
BIO 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
BIO 5199B	Thesis	
BIO 5299B	Thesis	
BIO 5399B	Thesis	
BIO 5599B	Thesis	
BIO 5999B	Thesis	
Total hours		**30**

1. Students choosing 6 hours from the list in required courses must choose 8 from the electives, while students choosing 8 hours from the list in required courses must choose 6 hours from the electives.
2. Electives should be chosen in consultation with the graduate advisor and major professor to allow students to specialize in particular sub-disciplines of the field, including the ecology of populations, population management, conservation biology or evolutionary ecology and genetics.

Comprehensive Examination Requirements

All candidates for master's degrees in the Department of Biology must pass a comprehensive final examination administered by the student's committee. The examination may be oral or written and must cover, at a minimum, the student's field of concentration and the thesis, if one was written. The results of this exam should be reported on the "Master's Comprehensive Examination Report" form, which can be downloaded from The Graduate College website and which must be filed in the office of The Graduate College at least 10 days prior to the date of expected graduation.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Biology: BIO

Courses Offered

Biology (BIO)

BIO 5100. Professional Development.
This course is seminar-based and covers topics related to teaching, research, and employment responsibilities. Completion of the course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis. Graded on a credit (CR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

BIO 5110. Seminar in Biology.
Interactive discussion of timely issues and problems, designed to expose students to the current literature in their fields of interest and its critical analysis. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Header
Grade Mode: Standard Letter

BIO 5114. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5214 and BIO 5314.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5166. Medical Microbiology Laboratory.
This graduate laboratory-based course will cover pathogenic bacteria emphasizing identification of selected groups of pathogens and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5176. Microbial Biotechnology Laboratory.
This laboratory-based course will cover use of microbes for biotechnological applications and is designed to provide practical explorations into fields of biotechnology. Topics include laboratory techniques for recombinant protein purification, fermentation, identification of markers in genetically modified food and bio-remediation of pollutants. Corequisite: BIO 5376.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5214. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5314.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5295. Fundamentals of Research.
Designed to acquaint the beginning graduate student with materials and methods of research in the biological sciences. It is recommended that a graduate student take this course the first semester in residence.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5300. Neurobiology.
This course presents the biology of the nervous system with emphasis on the human nervous system. Topics presented in lecture include neuroanatomy, cellular neurobiology, neurophysiology, developmental neurobiology, and neuronal plasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5301. Evolution.
Basic genetic principles applied to natural selection, adaptation, populations, and speciation. Consideration is given to the origin of life, nature of chromosomal variation, evolution of genetic systems, and certain other selected topics.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5304. Wildlife and Recreation: Impact and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5305. Methods of Nature Study for Teachers.
This course provides a comprehensive survey of natural events. It includes laboratory and field work emphasizing observation, collection and discovery of relationships. It is creditable only for those seeking elementary or middle school certification and is required for those seeking grade 4-8 Science or Science/Mathematics teaching certification. This course must be taken the semester immediately prior to student teaching.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5311. Cancer Biology.
Cancer Biology provides a foundation for understanding the complex molecular, biochemical, and cellular processes associated with cancer development. Topics include the role of tumor suppressor genes, oncogenes, DNA repair, apoptosis, ECM, cell-cycle control, cell signaling pathways, immune function and cancer-causing viruses. Emerging diagnostics and/or therapeutics will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5314. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5319C. Ecotoxicology.
Topics to be covered include sources, types, and fates of toxicants, organism response to toxicants, toxicant effects at the population, community, and ecosystem levels, and monitoring and risk assessment. Examination of current literature will form the core of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5319F. Watershed Management Frameworks and Applications.
Introduction to integrated watershed assessment and management tools for identifying programmatic water quality and quantity issues and their root causes and solutions, and their practical application. The scientific and socio-economic elements are considered within the context of planning and developing watershed protection plans and programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5319G. Omics Approach to Microbiology.
The course will discuss contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5327. Issues in Irish Biodiversity and Conservation.
In this course, students will learn about Irish flora and fauna, ecosystems, conservation strategies in areas of high ecological concern, and public involvement. Emphasis will be placed on case studies and service-learning opportunities. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5328. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5329. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and overwintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5331. Human Dimensions of Wildlife and Fisheries Conservation.
Humans play a role in nearly every aspect of wildlife and fisheries conservation. This course will provide students with principles, concepts, and case studies to understand how the human experience (e.g., culture, politics, economics) influences conservation outcomes. Students will also have an opportunity to integrate human dimensions into local decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5335. Fisheries Management.
An introduction to principles and techniques in fisheries management. Includes the study of artificial reproduction, carrying capacity, productivity, sampling procedures, population estimates, mortality, survival growth rates, and commercial and sport fisheries. (Spring, even years).
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5350G. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their ability to cause disease, emphasizing the biological basis for virulence, and research strategies for investigating infectious diseases. Students may take only one of BIO 5350G or BIO 5445 for credit. Prerequisite: BIO 2400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350I. Emerging Infectious Diseases.
Current topics in the emergence of viral and bacterial diseases in humans. This course will include new diseases, diseases previously seen and increasing in incidence, and diseases not previously seen in this country. This course will be of interest to students who are pursing advanced degrees and courses in microbiology, biochemistry, and cell and molecular biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350J. Environmental Physiology of Animals.
This course is a study of how animals respond physiologically to changes in environmental temperature, moisture, salinity, partial pressure of gases, and toxins. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350K. Genomics.
The course is a lecture course in modern genomics, including principles of genome function, the human genome, comparative genomics, genome sequencing, evolution and genomic change, databases and medicine, ethical, legal and social issues. The course also includes discussion of transcriptomics, proteomics, metabolomics, directed evolution, protein design, and systems biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350L. Graduate Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including epigenetics and post-transcriptional regulation involving small non-coding RNA.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350M. Wildlife Policy and Law in North America.
This course provides the student with a historical and cultural context within which wildlife policy and law (federal treaties, statutes, case law, and regulations) have developed in North America, particularly in the United States. Graduate students will research the development of Wildlife law in representative states as well.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350O. Tropical Ecology and Conservation.
Students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems.
3 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350P. Tropical Ecology and Conservation Lab.
This laboratory course complements the lecture course BIO 5350O, in which students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems. Corequisite: BIO 5350O.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Co-requisite(s): BIO 5350O
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Q. Biological Oceanography.
Students will be introduced to the principles of oceanography and will understand anthropogenic impacts on the oceans. Topics to be investigated will include: ocean formation and destruction, sediments, ocean circulation, waves, tides, estuaries, life in the oceans, hydrothermal vents, coral reefs, fisheries, marine pollution, and climate change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350R. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course is designed on topics of applied microbiology recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350T. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Must be accepted into the Texas State in Ireland Study Abroad Program.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350U. Ecology of Rarity.
This course will examine the ecology of rarity and its ability to inform public awareness and environmental policy. This course will explore how we define rarity, persistence and viability. Is rarity more or less common than might be expected, and is there anything we can or should do about it?.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Z. Diversity and Cultural Impact of Geoparks.
Students will explore biological differences in diversity across Geoparks in the United States and Ireland. Additionally, students will study the cultural impact that Geoparks have on the local community and national policy by focusing on differences between science communication strategies and community engagement practices conducted at the parks. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5351G. Omics Approach to Microbiology.
This course covers contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5356. Plant Physiology.
Basic principles of plant physiology are studied in lecture and laboratory. Previous courses in biochemistry and genetics are strongly recommended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5362. Environmental Impact Analysis.
Current government regulations regarding environmental impact, content of environmental impact statements, how to proceed with an impact study, application of ecological principles to impact studies, and steps in the review process for environmental impact statements are considered. (Spring, odd years). Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5366. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their relationship to disease, emphasizing critical evaluation of research literature, disease transmission and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5376. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course design is based on topics of applied microbiology as recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5377. Genome Informatics.
The course will cover basic knowledge on genomics and its bioinformatics tools. Students will learn current topics on genomics and bioinformatics, and will analyze genomic data using statistical software. All the analyses will be performed using a personal and a cluster computer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5390. Problems in the Biological Sciences.
Open to graduate students on an individual basis by arrangement with the faculty member concerned.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in BIO 5399B. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are used.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5400. Plants Important for Wildlife.
This course explores plant and plant part (specifically gall, fruit, seed, and twig) identification, phylogenetics, co-evolution of plant defenses, economic and ecological impacts of plant uses by wildlife.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5402. Earth Science I.
A study of astronomy and meteorology through observation, description, and interpretation of earth phenomena. Includes field observations, methods of measurement and interpretation of data related to the physical environment and space technology. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5403. Earth Science II.
The description and interpretation of earth phenomena considered from the standpoint of geology and oceanography. Includes field observations, methods of sampling and interpretation of data related to the physical environment. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5408. Science Processes and Research.
Students will analyze scientific research design, design research, interpret data, and communicate results. Stress will be placed on broad-field structure and integration of major science concepts and research-based science pedagogy. This course must be taken the semester prior to student teaching and is required for those seeking 7-12 Life Science or Science teacher certification. This course may not count as one of the four upper-level Biology courses required of general Biology majors, or one of the three upper-level Biology courses required of Biology minors.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5410. Field Biology of Plants.
Ecological relationships and natural history of plants, including historical geology, geography, soils, and vegetational regions of Central Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5411. Morphology of the Vascular Plants.
A phylogenetic survey of living and fossil vascular plants that focuses on external morphology and reproductive biology. Topics include phylogenetic reconstruction, the origin of vascular plants, seed reproduction, and the origin of angiosperms. Emphasis is on broad-scale evolutionary patterns and origin of major taxonomic groups.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5412. Plant Anatomy.
A descriptive and functional analysis of seed plants that focuses on internal structure. Topics include recognition and characterization of plant tissues, the structure of plant organs, and organ development. Emphasis is on pattern of tissue organization common to all seed plants and the functional basis for anatomical structure.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5413. Parasitology.
The biology and biological significance of the common parasites of man and animals.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5415. Ichthyology.
An introduction to the morphology, taxonomy, natural history, and evolution of fishes. Field trips will be made to collect specimens, and laboratory periods will be devoted to morphological and systematic analyses.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5418. Field Ornithology.
This course is designed to introduce and provide an advanced knowledge of the application of various field, laboratory, and statistical methods and techniques in the study of avian species. The course will include topics related to survey methodology, sampling design, marking/banding, measurement/sample extraction, and aging/sexing of avian species.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5419. Stream Ecology.
Class covers ecological theories, concepts, and processes occurring at the population, community, and ecosystem levels of organization in running water. Lab includes sampling methods, description and comparative studies, experiments, critical discussion of literature and experience in writing manuscripts. Prerequisite: Instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5420. Natural History of the Vertebrates.
Environmental relationships and natural history of vertebrates. Emphasis is on evolution taxonomy, speciation, behavior, and morphology. Laboratory will include field trips for the study and collection of vertebrates in their natural habitats. Students will assemble a representative collection of vertebrates.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5421. Ornithology.
Introduction to anatomy, behavior, ecology, and identification of the birds of Texas. Laboratory will emphasize field studies of birds and their habitat requirements.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5422. Mammalogy.
The taxonomy, distribution, ecology, behavior, and evolution of mammals with particular emphasis on wild mammals of the Southwest. Laboratory will emphasize anatomy, identification, preparation of specimens, and field exercises in methods of population analysis. Students may assemble representative mammal collection.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5423. Wildlife Management.
Application of ecological principles and natural history concepts to the management of wildlife habitats and populations. Laboratory will involve demonstrations and practice exercises with wildlife management techniques and instrumentation, and field trips to observe wildlife management projects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5424D. Vertebrate Endocrinology.
This course teaches function and organization of the endocrine system. It describes the major endocrine glands, the synthesis and release of their hormone products, and the interaction with target tissues. Endocrine control of digestion, growth, reproduction, and homeostasis will be compared between mammals and other vertebrate groups.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5426. Immunology.
A study of the immune response, antigen/antibody reactions, major histocompatibility complex, and immunopathology.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. Emphasis will be placed on North American species and those groups inhabiting Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5435. Techniques in Wildlife Management.
The basic methodology of practical wildlife management. This involves techniques in monitoring and data collection related to population dynamics and habitat parameters of wildlife species as well as field research.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5436. Tropical Biology.
This course entails an analysis and evaluation of the governing principles of tropical ecosystems, including wildlife ecologies, geological processes, and environmental-cultural interactions. In the laboratories, students will compare ecological relationships that influence tropical biology, discuss peer-reviewed literature and examine tropical flora and fauna during field trips to regional sub-tropical areas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5441. Cellular Physiology.
Advanced cellular biology, including membrane physiology, thermodynamics, energy transduction and distribution, and cellular movement in non-muscle and muscle cells. Laboratory includes discussion of current research and exercises in cellular physiology.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5442. Experimental Techniques.
Use of methods and instruments applicable to biological investigations, including colorimetry, UV-spectrophotometry, fluorescence, flame and atomic absorption spectrophotometry, paper, gas, gel filtration and ion exchange chromatography, radioactive counting, and electrophoresis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5443. Fish Physiology.
This course examines the primary physiological functions in fish including how fish sense and interact with the environment, maintain their energetic metabolism (respiration, digestion and excretion), reproduce and maintain water balance. Students will learn about the diverse adaptions fish use to cope with environmental and physiological challenges.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5448. Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including post-transcriptional regulation involving small non-coding RNA. In addition graduate students will also write a critical review on a research article from relevant topic.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5450. Physiological Ecology of Animals.
Course brings together the principle concepts of environmental physiology of animals. The biological problems associated with living in various ecological realms will be discussed, and the biochemical and physiological adaptations of animals to their diverse habitats will be studied.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5454. Plant Ecology.
Functional ecology of terrestrial plants, plant populations, and communities. Laboratory emphasizes quantitative and experimental approaches to plant ecology and the use of field and laboratory physiology equipment.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5465. General Entomology.
Principles of morphology, physiology, and taxonomy of insects. Laboratory time will be devoted to a taxonomic study of the common orders and families of insects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5466. Phylogenetic Methods.
Reconstructing phylogenies is important in most fields of biology. Course emphasis is on practical data collection, management, and analysis. Laboratory exercises will introduce phylogenetic and DNA analysis software, and WWW resources. Students will learn how to address questions in their own research using phylogenetic methodologies.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5470. Limnology.
Physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnology sampling methods, chemical and biological analysis of samples, and hydrographic surveying are included in the laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5471. Reservoir Ecology.
Study of the physical, geological, chemical, and biological factors that influence and make up reservoir ecosystems.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5472. Animal Behavior.
This course presents all the major facets of the study of animal behavior, giving special attention to its evolution and ecological significance. We will discuss major conceptual models guiding past and present research in the field. Laboratories will emphasize experimental techniques and statistical analysis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 5480. Cytology and Micro-technique.
Study of cellular ultra-structure and electron micro technique. Lecture portion of course will cover cytology of all cell types and theoretical aspects of light microscopy and electron microscopy. Laboratory portion will train students to proficiency in microscopy.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5481. Internship in Biological Laboratory Technologies.
The student will participate in the work of a selected biology unit (private, commercial, or governmental). A research paper reporting the internship experience conducted at the biological unit under the supervision of a faculty member will be required. This course may be credited toward a biology major with prior approval of the graduate advisor and department chair.
4 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5485. Scanning Electron Microscopy.
A course on theory of operation and practical use of the scanning electron microscope as applied to biological materials. The course includes aspects of specimen preparation, photomicroscopy, micrograph interpretation, and microscope maintenance procedures. The course will provide the student training necessary to independently do scanning electron microscopy.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5490. Principles of Developmental Biology.
This course will cover basic principles of developmental biology in both plant and animal systems. The course will mainly address cell, molecular and genetic mechanisms underlying the development of model organisms, mainly focusing on Drosophila (animal) and Arabidopsis (plant).
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Wildlife Ecology

Major Program

The Master of Science (M.S.) degree with a major in in wildlife ecology is a thesis-based degree with an emphasis on the application of ecological principles to studies in the fields of wildlife ecology and natural resource management.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in biology or related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- mentor communication (intent to mentor letter) from a Biology Department faculty member
- resume/CV
- statement of purpose describing professional aspirations and rationale for pursuing graduate study
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Degree Requirements

The Master of Science (M.S.) degree with a major in Wildlife Ecology requires 30 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
BIO 7405	Statistics and Experimental Design I	4
BIO 7406	Statistics and Experimental Design II	4
Seminars		
Choose one of the following seminar options:		3-4
Option A - Choose 3 hours from from the following:		
BIO 5110	Seminar in Biology (Repeatable for credit)	
BIO 7102	Seminar in Aquatic Resources (Repeatable for credit)	
Option B - Choose 2 seminars from Option A and:		
BIO 5295	Fundamentals of Research	
Electives		
Choose a minimum of 13 hours of advisor-approved electives		13
Thesis		
BIO 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
BIO 5199B	Thesis	
BIO 5299B	Thesis	
BIO 5399B	Thesis	
BIO 5599B	Thesis	
BIO 5999B	Thesis	
Total Hours		30-31

Comprehensive Examination Requirements

All candidates for master's degrees in the Department of Biology must pass a comprehensive final examination administered by the student's committee. The examination may be oral or written and must cover, at a minimum, the student's field of concentration and the thesis, if one was written. The results of this exam should be reported on the "Master's Comprehensive Examination Report" form, which can be downloaded from The Graduate College website and which must be filed in the office of The Graduate College at least 10 days prior to the date of expected graduation.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Biology: BIO

Courses Offered

Biology (BIO)

BIO 5100. Professional Development.
This course is seminar-based and covers topics related to teaching, research, and employment responsibilities. Completion of the course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis. Graded on a credit (CR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

BIO 5110. Seminar in Biology.
Interactive discussion of timely issues and problems, designed to expose students to the current literature in their fields of interest and its critical analysis. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Header
Grade Mode: Standard Letter

BIO 5114. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5214 and BIO 5314.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5166. Medical Microbiology Laboratory.
This graduate laboratory-based course will cover pathogenic bacteria emphasizing identification of selected groups of pathogens and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5176. Microbial Biotechnology Laboratory.
This laboratory-based course will cover use of microbes for biotechnological applications and is designed to provide practical explorations into fields of biotechnology. Topics include laboratory techniques for recombinant protein purification, fermentation, identification of markers in genetically modified food and bio-remediation of pollutants. Corequisite: BIO 5376.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5214. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5314.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5295. Fundamentals of Research.
Designed to acquaint the beginning graduate student with materials and methods of research in the biological sciences. It is recommended that a graduate student take this course the first semester in residence.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5300. Neurobiology.
This course presents the biology of the nervous system with emphasis on the human nervous system. Topics presented in lecture include neuroanatomy, cellular neurobiology, neurophysiology, developmental neurobiology, and neuronal plasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5301. Evolution.
Basic genetic principles applied to natural selection, adaptation, populations, and speciation. Consideration is given to the origin of life, nature of chromosomal variation, evolution of genetic systems, and certain other selected topics.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5304. Wildlife and Recreation: Impact and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5305. Methods of Nature Study for Teachers.
This course provides a comprehensive survey of natural events. It includes laboratory and field work emphasizing observation, collection and discovery of relationships. It is creditable only for those seeking elementary or middle school certification and is required for those seeking grade 4-8 Science or Science/Mathematics teaching certification. This course must be taken the semester immediately prior to student teaching.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5311. Cancer Biology.
Cancer Biology provides a foundation for understanding the complex molecular, biochemical, and cellular processes associated with cancer development. Topics include the role of tumor suppressor genes, oncogenes, DNA repair, apoptosis, ECM, cell-cycle control, cell signaling pathways, immune function and cancer-causing viruses. Emerging diagnostics and/or therapeutics will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5314. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5319C. Ecotoxicology.
Topics to be covered include sources, types, and fates of toxicants, organism response to toxicants, toxicant effects at the population, community, and ecosystem levels, and monitoring and risk assessment. Examination of current literature will form the core of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5319F. Watershed Management Frameworks and Applications.
Introduction to integrated watershed assessment and management tools for identifying programmatic water quality and quantity issues and their root causes and solutions, and their practical application. The scientific and socio-economic elements are considered within the context of planning and developing watershed protection plans and programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5319G. Omics Approach to Microbiology.
The course will discuss contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5327. Issues in Irish Biodiversity and Conservation.
In this course, students will learn about Irish flora and fauna, ecosystems, conservation strategies in areas of high ecological concern, and public involvement. Emphasis will be placed on case studies and service-learning opportunities. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5328. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5329. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and overwintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5331. Human Dimensions of Wildlife and Fisheries Conservation.
Humans play a role in nearly every aspect of wildlife and fisheries conservation. This course will provide students with principles, concepts, and case studies to understand how the human experience (e.g., culture, politics, economics) influences conservation outcomes. Students will also have an opportunity to integrate human dimensions into local decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5335. Fisheries Management.
An introduction to principles and techniques in fisheries management. Includes the study of artificial reproduction, carrying capacity, productivity, sampling procedures, population estimates, mortality, survival growth rates, and commercial and sport fisheries. (Spring, even years).
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5350G. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their ability to cause disease, emphasizing the biological basis for virulence, and research strategies for investigating infectious diseases. Students may take only one of BIO 5350G or BIO 5445 for credit. Prerequisite: BIO 2400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350I. Emerging Infectious Diseases.
Current topics in the emergence of viral and bacterial diseases in humans. This course will include new diseases, diseases previously seen and increasing in incidence, and diseases not previously seen in this country. This course will be of interest to students who are pursing advanced degrees and courses in microbiology, biochemistry, and cell and molecular biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350J. Environmental Physiology of Animals.
This course is a study of how animals respond physiologically to changes in environmental temperature, moisture, salinity, partial pressure of gases, and toxins. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350K. Genomics.
The course is a lecture course in modern genomics, including principles of genome function, the human genome, comparative genomics, genome sequencing, evolution and genomic change, databases and medicine, ethical, legal and social issues. The course also includes discussion of transcriptomics, proteomics, metabolomics, directed evolution, protein design, and systems biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350L. Graduate Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including epigenetics and post-transcriptional regulation involving small non-coding RNA.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350M. Wildlife Policy and Law in North America.
This course provides the student with a historical and cultural context within which wildlife policy and law (federal treaties, statutes, case law, and regulations) have developed in North America, particularly in the United States. Graduate students will research the development of Wildlife law in representative states as well.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350O. Tropical Ecology and Conservation.
Students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems.
3 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350P. Tropical Ecology and Conservation Lab.
This laboratory course complements the lecture course BIO 5350O, in which students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems. Corequisite: BIO 5350O.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Co-requisite(s): BIO 5350O
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Q. Biological Oceanography.
Students will be introduced to the principles of oceanography and will understand anthropogenic impacts on the oceans. Topics to be investigated will include: ocean formation and destruction, sediments, ocean circulation, waves, tides, estuaries, life in the oceans, hydrothermal vents, coral reefs, fisheries, marine pollution, and climate change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350R. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course is designed on topics of applied microbiology recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350T. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Must be accepted into the Texas State in Ireland Study Abroad Program.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350U. Ecology of Rarity.
This course will examine the ecology of rarity and its ability to inform public awareness and environmental policy. This course will explore how we define rarity, persistence and viability. Is rarity more or less common than might be expected, and is there anything we can or should do about it?.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Z. Diversity and Cultural Impact of Geoparks.
Students will explore biological differences in diversity across Geoparks in the United States and Ireland. Additionally, students will study the cultural impact that Geoparks have on the local community and national policy by focusing on differences between science communication strategies and community engagement practices conducted at the parks. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5351G. Omics Approach to Microbiology.
This course covers contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5356. Plant Physiology.
Basic principles of plant physiology are studied in lecture and laboratory. Previous courses in biochemistry and genetics are strongly recommended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5362. Environmental Impact Analysis.
Current government regulations regarding environmental impact, content of environmental impact statements, how to proceed with an impact study, application of ecological principles to impact studies, and steps in the review process for environmental impact statements are considered. (Spring, odd years). Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5366. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their relationship to disease, emphasizing critical evaluation of research literature, disease transmission and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5376. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course design is based on topics of applied microbiology as recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5377. Genome Informatics.
The course will cover basic knowledge on genomics and its bioinformatics tools. Students will learn current topics on genomics and bioinformatics, and will analyze genomic data using statistical software. All the analyses will be performed using a personal and a cluster computer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5390. Problems in the Biological Sciences.
Open to graduate students on an individual basis by arrangement with the faculty member concerned.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in BIO 5399B. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are used.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5400. Plants Important for Wildlife.
This course explores plant and plant part (specifically gall, fruit, seed, and twig) identification, phylogenetics, co-evolution of plant defenses, economic and ecological impacts of plant uses by wildlife.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5402. Earth Science I.
A study of astronomy and meteorology through observation, description, and interpretation of earth phenomena. Includes field observations, methods of measurement and interpretation of data related to the physical environment and space technology. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5403. Earth Science II.
The description and interpretation of earth phenomena considered from the standpoint of geology and oceanography. Includes field observations, methods of sampling and interpretation of data related to the physical environment. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5408. Science Processes and Research.
Students will analyze scientific research design, design research, interpret data, and communicate results. Stress will be placed on broad-field structure and integration of major science concepts and research-based science pedagogy. This course must be taken the semester prior to student teaching and is required for those seeking 7-12 Life Science or Science teacher certification. This course may not count as one of the four upper-level Biology courses required of general Biology majors, or one of the three upper-level Biology courses required of Biology minors.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5410. Field Biology of Plants.
Ecological relationships and natural history of plants, including historical geology, geography, soils, and vegetational regions of Central Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5411. Morphology of the Vascular Plants.
A phylogenetic survey of living and fossil vascular plants that focuses on external morphology and reproductive biology. Topics include phylogenetic reconstruction, the origin of vascular plants, seed reproduction, and the origin of angiosperms. Emphasis is on broad-scale evolutionary patterns and origin of major taxonomic groups.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5412. Plant Anatomy.
A descriptive and functional analysis of seed plants that focuses on internal structure. Topics include recognition and characterization of plant tissues, the structure of plant organs, and organ development. Emphasis is on pattern of tissue organization common to all seed plants and the functional basis for anatomical structure.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5413. Parasitology.
The biology and biological significance of the common parasites of man and animals.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5415. Ichthyology.
An introduction to the morphology, taxonomy, natural history, and evolution of fishes. Field trips will be made to collect specimens, and laboratory periods will be devoted to morphological and systematic analyses.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5418. Field Ornithology.
This course is designed to introduce and provide an advanced knowledge of the application of various field, laboratory, and statistical methods and techniques in the study of avian species. The course will include topics related to survey methodology, sampling design, marking/banding, measurement/sample extraction, and aging/sexing of avian species.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5419. Stream Ecology.
Class covers ecological theories, concepts, and processes occurring at the population, community, and ecosystem levels of organization in running water. Lab includes sampling methods, description and comparative studies, experiments, critical discussion of literature and experience in writing manuscripts. Prerequisite: Instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5420. Natural History of the Vertebrates.
Environmental relationships and natural history of vertebrates. Emphasis is on evolution taxonomy, speciation, behavior, and morphology. Laboratory will include field trips for the study and collection of vertebrates in their natural habitats. Students will assemble a representative collection of vertebrates.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5421. Ornithology.
Introduction to anatomy, behavior, ecology, and identification of the birds of Texas. Laboratory will emphasize field studies of birds and their habitat requirements.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5422. Mammalogy.
The taxonomy, distribution, ecology, behavior, and evolution of mammals with particular emphasis on wild mammals of the Southwest. Laboratory will emphasize anatomy, identification, preparation of specimens, and field exercises in methods of population analysis. Students may assemble representative mammal collection.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5423. Wildlife Management.
Application of ecological principles and natural history concepts to the management of wildlife habitats and populations. Laboratory will involve demonstrations and practice exercises with wildlife management techniques and instrumentation, and field trips to observe wildlife management projects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5424D. Vertebrate Endocrinology.
This course teaches function and organization of the endocrine system. It describes the major endocrine glands, the synthesis and release of their hormone products, and the interaction with target tissues. Endocrine control of digestion, growth, reproduction, and homeostasis will be compared between mammals and other vertebrate groups.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5426. Immunology.
A study of the immune response, antigen/antibody reactions, major histocompatibility complex, and immunopathology.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. Emphasis will be placed on North American species and those groups inhabiting Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5435. Techniques in Wildlife Management.
The basic methodology of practical wildlife management. This involves techniques in monitoring and data collection related to population dynamics and habitat parameters of wildlife species as well as field research.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5436. Tropical Biology.
This course entails an analysis and evaluation of the governing principles of tropical ecosystems, including wildlife ecologies, geological processes, and environmental-cultural interactions. In the laboratories, students will compare ecological relationships that influence tropical biology, discuss peer-reviewed literature and examine tropical flora and fauna during field trips to regional sub-tropical areas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5441. Cellular Physiology.
Advanced cellular biology, including membrane physiology, thermodynamics, energy transduction and distribution, and cellular movement in non-muscle and muscle cells. Laboratory includes discussion of current research and exercises in cellular physiology.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5442. Experimental Techniques.
Use of methods and instruments applicable to biological investigations, including colorimetry, UV-spectrophotometry, fluorescence, flame and atomic absorption spectrophotometry, paper, gas, gel filtration and ion exchange chromatography, radioactive counting, and electrophoresis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5443. Fish Physiology.
This course examines the primary physiological functions in fish including how fish sense and interact with the environment, maintain their energetic metabolism (respiration, digestion and excretion), reproduce and maintain water balance. Students will learn about the diverse adaptions fish use to cope with environmental and physiological challenges.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5448. Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including post-transcriptional regulation involving small non-coding RNA. In addition graduate students will also write a critical review on a research article from relevant topic.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5450. Physiological Ecology of Animals.
Course brings together the principle concepts of environmental physiology of animals. The biological problems associated with living in various ecological realms will be discussed, and the biochemical and physiological adaptations of animals to their diverse habitats will be studied.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5454. Plant Ecology.
Functional ecology of terrestrial plants, plant populations, and communities. Laboratory emphasizes quantitative and experimental approaches to plant ecology and the use of field and laboratory physiology equipment.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5465. General Entomology.
Principles of morphology, physiology, and taxonomy of insects. Laboratory time will be devoted to a taxonomic study of the common orders and families of insects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5466. Phylogenetic Methods.
Reconstructing phylogenies is important in most fields of biology. Course emphasis is on practical data collection, management, and analysis. Laboratory exercises will introduce phylogenetic and DNA analysis software, and WWW resources. Students will learn how to address questions in their own research using phylogenetic methodologies.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5470. Limnology.
Physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnology sampling methods, chemical and biological analysis of samples, and hydrographic surveying are included in the laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5471. Reservoir Ecology.
Study of the physical, geological, chemical, and biological factors that influence and make up reservoir ecosystems.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5472. Animal Behavior.
This course presents all the major facets of the study of animal behavior, giving special attention to its evolution and ecological significance. We will discuss major conceptual models guiding past and present research in the field. Laboratories will emphasize experimental techniques and statistical analysis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 5480. Cytology and Micro-technique.
Study of cellular ultra-structure and electron micro technique. Lecture portion of course will cover cytology of all cell types and theoretical aspects of light microscopy and electron microscopy. Laboratory portion will train students to proficiency in microscopy.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5481. Internship in Biological Laboratory Technologies.
The student will participate in the work of a selected biology unit (private, commercial, or governmental). A research paper reporting the internship experience conducted at the biological unit under the supervision of a faculty member will be required. This course may be credited toward a biology major with prior approval of the graduate advisor and department chair.
4 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5485. Scanning Electron Microscopy.
A course on theory of operation and practical use of the scanning electron microscope as applied to biological materials. The course includes aspects of specimen preparation, photomicroscopy, micrograph interpretation, and microscope maintenance procedures. The course will provide the student training necessary to independently do scanning electron microscopy.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5490. Principles of Developmental Biology.
This course will cover basic principles of developmental biology in both plant and animal systems. The course will mainly address cell, molecular and genetic mechanisms underlying the development of model organisms, mainly focusing on Drosophila (animal) and Arabidopsis (plant).
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Minor in Aquatic Resources

The graduate minor in Aquatic Resources requires 6 semester credit hours. This minor is only available for graduate students seeking a Biology major.

Code	Title	Hours
Required Courses		
Choose 6 hours from the following:		6
BIO 5319C	Ecotoxicology	
BIO 5319F	Watershed Management Frameworks and Applications	
BIO 5335	Fisheries Management	
BIO 5362	Environmental Impact Analysis	
BIO 5390	Problems in the Biological Sciences	
BIO 5415	Ichthyology	
BIO 5419	Stream Ecology	
BIO 5470	Limnology	
Total Hours		6

Minor in Biology

Code	Title	Hours
The graduate minor in Biology requires 15 semester credit hours.		
Graduate Advisor Approved Biology Electives		
Choose 15 hours of approved 5000- or 7000-level BIO courses		15

Department of Chemistry and Biochemistry

Chemistry Building Room 238
T: 512.245.2156 F: 512.245.2374
http://www.txstate.edu/chemistry

The Department of Chemistry and Biochemistry is committed to excellence in educating our students and conducting high-impact research. The department offers both M.A. and M.S. degree programs. The M.S. degrees are research-based and require a thesis while the M.A. degree is course-based and requires successful completion of a cumulative examination. The curriculum provides opportunities for research and learning in all areas of chemistry and biochemistry and encourages a hands-on approach to the use of a wide variety of modern instrumentation. Many of our graduates have advanced to industrial positions and/or professional and doctoral programs, including the doctoral program in materials science, engineering, and commercialization (MSEC) at Texas State.

Research Areas

The department's graduate faculty conducts research in numerous areas of the five fields of chemistry. Specific research areas include:

Analytical	mass spectrometry, chromatography, electrochemistry, spectral methods
Biochemistry	enzyme isolation, enzyme mechanisms, ion-channel regulation, protein structure-function relationships, molecular genetics; gene delivery; nucleic acid biochemistry; ribonucleoprotein complex function and regulation; genomics; proteomics
Inorganic	synthesis and structure of high conductivity solid-state electrolyte compounds, boron-nitrogen compounds, bioinorganic chemistry; solid state synthesis; metal complex catalysis; intercalation chemistry; crystallography; synthetic main group organometallic chemistry
Organic	Synthetic organometallic chemistry; synthesis of stable carbenes and applications in small molecule activation and catalysis; chemistry of “frustrated” Lewis pairs; heterocyclic chemistry
Physical	molecular beam methods and laser spectroscopy; polymer synthesis; nanocomposites; thin organic films, structure-property relationships; electronic polymers

Research Facilities

Research instruments available include 400 and 500 MHz NMR, X-ray Diffractometer, UV and IR spectrophotometers, atomic absorption, liquid and gas chromatographs, electrospray ionization/mass spectrometer, high-speed centrifuges, TGA, DSC, DMA, particle size analyzer, GPC, epi-fluorescent microscope, CO_2 incubators, and multi-well plate readers.

Financial Assistance

Graduate students are encouraged to work as graduate instructional assistants. Applications can be obtained from the Department of Chemistry and Biochemistry website. A limited number of research assistantships are also available based on available funding from individual research advisors. The Graduate College can provide information about the availability of graduate scholarships. In order to be considered for assistantships or scholarships, applicants must have submitted a completed application for review by the priority application deadline.

Master of Arts (M.A.)

- Major in Chemistry (p. 2411)

Master of Science (M.S.)

- Major in Biochemistry (p. 2414)
- Major in Chemistry (p. 2418)

Bachelor of Science (B.S.) and Master of Science (M.S.)

- Major in Biochemistry (Early-Entry Program) (p. 2422)
- Major in Chemistry (Early-Entry Program) (p. 2423)

Minors

- Biochemistry (p. 2423)
- Chemistry (p. 2423)

Master of Arts (M.A.) Major in Chemistry

Major Program

Generally, an undergraduate major in Chemistry is required for admission into this program.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in chemistry from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- statement of purpose discussing career goals and undergraduate experiences
- two letters of recommendation regarding the student's academic potential and undergraduate research experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Chemistry requires 30 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
CHEM 5321	Advanced Organic Chemistry	3
or CHEM 5330	Physical Chemistry	
CHEM 5365	Separation Methods in Chemical Analysis	3
CHEM 5370	Problems in Chemistry	3
CHEM 5395	Fundamentals of Research	3
Electives		
Choose 18 hours of advisor-approved electives		18
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Chemistry and Biochemistry: CHEM

Courses Offered

Chemistry (CHEM)

CHEM 5110. Seminar in Chemistry.
A course designed to acquaint the graduate student with current research areas in chemistry. May be repeated twice for total of 3 semester hour credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5195. Professional Development of Graduate Assistants.
This course is designed to develop and enhance graduate assistants' laboratory instruction abilities. Topics covered in the course include effective lecture techniques, laboratory safety, theory and practical knowledge on laboratory experiments and laboratory section management. This course does not earn graduate credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CHEM 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5285. Laboratory Development Practice.
This course develops the laboratory instructional abilities of post-baccalaureate students seeking either 8-12 Chemistry or 8-12 Physical Science Teaching Certification. Topics include both traditional laboratory techniques and guided inquiry techniques, safety, laboratory management, pedagogical theory and practical knowledge of laboratory experiments.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CHEM 5295. Professional Development of Graduate Assistants.
This course is designed to develop and enhance graduate assistants' laboratory instruction abilities. Topics covered in the course include effective lecture techniques, laboratory safety, theory and practical knowledge on laboratory experiments and laboratory section management. This course does not earn graduate credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CHEM 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5310. Medicinal Chemistry.
This course surveys modern approaches to drug discovery and mechanisms of drug action with the focus on molecular structures of drugs. Examples of drug discovery for the chemotherapy of cancer, microbial and cardiovascular diseases will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5312. Organometallic Chemistry.
This course will survey the structure, bonding, and reactivity of organometallic complexes. Homogeneous catalysis of the transition metals as well as the main group elements along with specialized "seminal research papers" in the field of organometallic chemistry will also be presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5313. Principles and Applications of Mass Spectrometry.
This course is designed for graduate chemistry and biochemistry majors. Sections of the course are devoted to the theory and practice of mass spectrometry. Application to chemistry, biochemistry, biology and materials science will be explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5320. Modern Molecular Modeling.
The application of computational techniques to molecular modeling. Topics covered include quantum mechanical modeling, force field based molecular modeling, energy minimization, molecular dynamics, vibrational spectra, solution of crystalline structures, diffraction patterns, molecular blends, phase equilibria, crystal morphology, physical property prediction, and mesoscale modeling. Prerequisites: CHEM 3340 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5321. Advanced Organic Chemistry.
Study of the relation of the following topics to structure and reactions of organic compounds: bonding, stereochemistry, acid-base concepts, physical organic chemistry, reactive species, and mechanisms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5330. Physical Chemistry.
Fundamentals of physical chemistry are surveyed, emphasizing application in the other chemical sub-disciplines. Topics include classical thermodynamics, kinetics, atomic structure, and molecular spectroscopy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5333. Spectroscopy.
Study of various spectrometric techniques in qualitative and structural analysis of chemical substances. Students who have completed CHEM 4333 or its equivalent may not take this course for master's credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5341. Inorganic Chemistry.
This course will review essential concepts in inorganic chemistry including atomic structure, bonding theory, acid-base chemistry, solid state structures, and coordination chemistry. Analytical techniques for characterizing inorganic structures will be discussed along with current topics in the field. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Standard Letter

CHEM 5351. Introduction to Polymers and Polymer Synthesis.
This course is designed to develop the student's general understanding of polymer history and importance as well as terminology, structure, and synthesis. The overall scope of the course will be to develop the student's general knowledge of polymer synthesis and structure. Students who have completed CHEM 4351 or its equivalent may not take this course for master's credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5353. Polymer Processing and Characterization.
This course is designed to explore the areas of polymer processing and characterization. Students will be introduced to extrusion, injection molding, film formation, thermoforming, thermal-mechanical measurements, classical mechanical testing, thermal-optical measurements, and methods for determination of polymer molecular weight. Prerequisites: CHEM 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5355. Physical Chemistry of Polymers.
A study of the physical chemistry of polymers. Subjects covered include thermodynamics, kinetic polymerization, phase relationships, molecular geometry, spectroscopy of polymers, polymer physics and mechanical behavior, polymer blends, rheology, and polymer composites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5365. Separation Methods in Chemical Analysis.
The principles of gas chromatography, capillary electrophoresis, and mass spectrometry are discussed with a balance among theory, practice, and application.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5370. Problems in Chemistry.
Open to graduate students on an individual basis by arrangement with the faculty member concerned. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5375. Biochemistry.
A course devoted to a study of the chemistry of carbohydrates, lipids, proteins, enzymes, and nucleic acids. A study of enzyme kinetics and thermodynamics of coupled reactions is included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5381. Physical Biochemistry.
An introduction to the physical techniques of biochemistry with emphasis on the interpretation of experimental data obtained from electrophoresis, chromatography, immunological methods, ultracentrifugation, spectroscopy and emerging techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5382. Enzymology.
A study of the chemical and physical properties of enzymes. Topics will include structure-function relationships, elucidation of chemical and kinetic mechanisms, and the role of enzymes in metabolism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5383. Molecular Biology & Molecular Genetics.
This course addresses the basic genetic mechanisms of bacteria and eukaryotes and introduces some examples of the biochemical and genetic techniques employed to study cells, tissues, and organisms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5384. Current Topics in Biochemistry and Molecular Biology.
Course provides students with advanced knowledge in the areas of biochemistry and molecular biology. Topics include signal transduction and the molecular biology of cancer, as well as emerging topics in Genomics, Proteomics, and other new developments in biochemistry. May be repeated once for credit. Prerequisites: CHEM 5381 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CHEM 5385. Metabolism.
A study of biodegradation and biosynthesis of carbohydrates, lipids, amino acids, proteins, and nucleic acids. Students who have completed CHEM 4385 or its equivalent may not take this course for master's credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5386. Proteins.
This course will cover advanced biochemistry topics related to proteins. Topics will include protein structure, structure-function relationships, and current methodologies for examining proteins in addition to current findings in primary literature. Prerequisite: CHEM 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5387. Nucleic Acids Chemistry.
This course will cover advanced biochemistry topics related to nucleic acids. Topics will include nucleic acid structures and properties, catalytic nucleic acids, protein-nucleic acid interactions, higher order complexes of protein-nucleic acids, and current methodologies for examining nucleic acids in addition to current findings in primary literature. Prerequisite: CHEM 5383 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5390. Supramolecular Chemistry.
This course is designed to be a survey of the nature of non-covalent interactions between host and gust species. Emphasis will be focused on the rational design of hosts, thermodynamic and kinetic parameters involved in binding and the applications of various binding/recognition phenomena.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5395. Fundamentals of Research.
Course is designed to acquaint the beginning graduate student with materials and methods of chemical research.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in CHEM 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Biochemistry

Major Program

The Master of Science (M.S.) degree with a major in Biochemistry is designed for students who have undergraduate degrees in Biology, Biochemistry, or Chemistry and wish to pursue advanced studies in Biochemistry.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in chemistry, biochemistry, or a closely related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- statement of purpose discussing career goals and undergraduate experiences
- two letters of recommendation regarding the student's academic potential and undergraduate research experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Biochemistry requires 30 semester credit hours including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
CHEM 5110	Seminar in Chemistry (Taken three times)	3
CHEM 5381	Physical Biochemistry	3
CHEM 5384	Current Topics in Biochemistry and Molecular Biology	3
CHEM 5386	Proteins	3
CHEM 5387	Nucleic Acids Chemisty	3
CHEM 5395	Fundamentals of Research	3
Electives		
Choose 6 hours from the following:		6
CHEM 5310	Medicinal Chemistry	
CHEM 5312	Organometallic Chemistry	
CHEM 5313	Principles and Applications of Mass Spectrometry	
CHEM 5320	Modern Molecular Modeling	
CHEM 5321	Advanced Organic Chemistry	
CHEM 5330	Physical Chemistry	
CHEM 5333	Spectroscopy	
CHEM 5341	Inorganic Chemistry	
CHEM 5351	Introduction to Polymers and Polymer Synthesis	
CHEM 5353	Polymer Processing and Characterization	
CHEM 5355	Physical Chemistry of Polymers	
CHEM 5365	Separation Methods in Chemical Analysis	
CHEM 5382	Enzymology	
CHEM 5383	Molecular Biology & Molecular Genetics	
CHEM 5385	MPMetabolism	
CHEM 5390	Supramolecular Chemistry	
BIO 5300	Neurobiology	
BIO 5311	Cancer Biology	
BIO 5480	Cytology and Micro-technique	
BIO 7361C	Advanced Genomics and Bioinformatics	
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship	
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship	
MSEC 7325	Principles of Technical Project Management	

MSEC 7340	Biomaterials and Biosensors	
Thesis		
CHEM 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
CHEM 5199B	Thesis	
CHEM 5299B	Thesis	
CHEM 5399B	Thesis	
CHEM 5599B	Thesis	
CHEM 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form

- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Chemistry and Biochemistry: CHEM

Courses Offered

Chemistry (CHEM)

CHEM 5110. Seminar in Chemistry.
A course designed to acquaint the graduate student with current research areas in chemistry. May be repeated twice for total of 3 semester hour credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5195. Professional Development of Graduate Assistants.
This course is designed to develop and enhance graduate assistants' laboratory instruction abilities. Topics covered in the course include effective lecture techniques, laboratory safety, theory and practical knowledge on laboratory experiments and laboratory section management. This course does not earn graduate credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CHEM 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5285. Laboratory Development Practice.
This course develops the laboratory instructional abilities of post-baccalaureate students seeking either 8-12 Chemistry or 8-12 Physical Science Teaching Certification. Topics include both traditional laboratory techniques and guided inquiry techniques, safety, laboratory management, pedagogical theory and practical knowledge of laboratory experiments.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CHEM 5295. Professional Development of Graduate Assistants.
This course is designed to develop and enhance graduate assistants' laboratory instruction abilities. Topics covered in the course include effective lecture techniques, laboratory safety, theory and practical knowledge on laboratory experiments and laboratory section management. This course does not earn graduate credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CHEM 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5310. Medicinal Chemistry.
This course surveys modern approaches to drug discovery and mechanisms of drug action with the focus on molecular structures of drugs. Examples of drug discovery for the chemotherapy of cancer, microbial and cardiovascular diseases will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5312. Organometallic Chemistry.
This course will survey the structure, bonding, and reactivity of organometallic complexes. Homogeneous catalysis of the transition metals as well as the main group elements along with specialized "seminal research papers" in the field of organometallic chemistry will also be presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5313. Principles and Applications of Mass Spectrometry.
This course is designed for graduate chemistry and biochemistry majors. Sections of the course are devoted to the theory and practice of mass spectrometry. Application to chemistry, biochemistry, biology and materials science will be explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5320. Modern Molecular Modeling.
The application of computational techniques to molecular modeling. Topics covered include quantum mechanical modeling, force field based molecular modeling, energy minimization, molecular dynamics, vibrational spectra, solution of crystalline structures, diffraction patterns, molecular blends, phase equilibria, crystal morphology, physical property prediction, and mesoscale modeling. Prerequisites: CHEM 3340 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5321. Advanced Organic Chemistry.
Study of the relation of the following topics to structure and reactions of organic compounds: bonding, stereochemistry, acid-base concepts, physical organic chemistry, reactive species, and mechanisms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5330. Physical Chemistry.
Fundamentals of physical chemistry are surveyed, emphasizing application in the other chemical sub-disciplines. Topics include classical thermodynamics, kinetics, atomic structure, and molecular spectroscopy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5333. Spectroscopy.
Study of various spectrometric techniques in qualitative and structural analysis of chemical substances. Students who have completed CHEM 4333 or its equivalent may not take this course for master's credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5341. Inorganic Chemistry.
This course will review essential concepts in inorganic chemistry including atomic structure, bonding theory, acid-base chemistry, solid state structures, and coordination chemistry. Analytical techniques for characterizing inorganic structures will be discussed along with current topics in the field. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Standard Letter

CHEM 5351. Introduction to Polymers and Polymer Synthesis.
This course is designed to develop the student's general understanding of polymer history and importance as well as terminology, structure, and synthesis. The overall scope of the course will be to develop the student's general knowledge of polymer synthesis and structure. Students who have completed CHEM 4351 or its equivalent may not take this course for master's credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5353. Polymer Processing and Characterization.
This course is designed to explore the areas of polymer processing and characterization. Students will be introduced to extrusion, injection molding, film formation, thermoforming, thermal-mechanical measurements, classical mechanical testing, thermal-optical measurements, and methods for determination of polymer molecular weight. Prerequisites: CHEM 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5355. Physical Chemistry of Polymers.
A study of the physical chemistry of polymers. Subjects covered include thermodynamics, kinetic polymerization, phase relationships, molecular geometry, spectroscopy of polymers, polymer physics and mechanical behavior, polymer blends, rheology, and polymer composites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5365. Separation Methods in Chemical Analysis.
The principles of gas chromatography, capillary electrophoresis, and mass spectrometry are discussed with a balance among theory, practice, and application.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5370. Problems in Chemistry.
Open to graduate students on an individual basis by arrangement with the faculty member concerned. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5375. Biochemistry.
A course devoted to a study of the chemistry of carbohydrates, lipids, proteins, enzymes, and nucleic acids. A study of enzyme kinetics and thermodynamics of coupled reactions is included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5381. Physical Biochemistry.
An introduction to the physical techniques of biochemistry with emphasis on the interpretation of experimental data obtained from electrophoresis, chromatography, immunological methods, ultracentrifugation, spectroscopy and emerging techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5382. Enzymology.
A study of the chemical and physical properties of enzymes. Topics will include structure-function relationships, elucidation of chemical and kinetic mechanisms, and the role of enzymes in metabolism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5383. Molecular Biology & Molecular Genetics.
This course addresses the basic genetic mechanisms of bacteria and eukaryotes and introduces some examples of the biochemical and genetic techniques employed to study cells, tissues, and organisms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5384. Current Topics in Biochemistry and Molecular Biology.
Course provides students with advanced knowledge in the areas of biochemistry and molecular biology. Topics include signal transduction and the molecular biology of cancer, as well as emerging topics in Genomics, Proteomics, and other new developments in biochemistry. May be repeated once for credit. Prerequisites: CHEM 5381 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CHEM 5385. Metabolism.
A study of biodegradation and biosynthesis of carbohydrates, lipids, amino acids, proteins, and nucleic acids. Students who have completed CHEM 4385 or its equivalent may not take this course for master's credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5386. Proteins.
This course will cover advanced biochemistry topics related to proteins. Topics will include protein structure, structure-function relationships, and current methodologies for examining proteins in addition to current findings in primary literature. Prerequisite: CHEM 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5387. Nucleic Acids Chemistry.
This course will cover advanced biochemistry topics related to nucleic acids. Topics will include nucleic acid structures and properties, catalytic nucleic acids, protein-nucleic acid interactions, higher order complexes of protein-nucleic acids, and current methodologies for examining nucleic acids in addition to current findings in primary literature. Prerequisite: CHEM 5383 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5390. Supramolecular Chemistry.
This course is designed to be a survey of the nature of non-covalent interactions between host and gust species. Emphasis will be focused on the rational design of hosts, thermodynamic and kinetic parameters involved in binding and the applications of various binding/recognition phenomena.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5395. Fundamentals of Research.
Course is designed to acquaint the beginning graduate student with materials and methods of chemical research.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in CHEM 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Chemistry

Major Program

The Master of Science (M.S.) degree with a major in Chemistry is designed to train professional chemists, enhance the training of chemistry teachers, and provide adequate background for further advanced study. Generally, an Undergraduate major in Chemistry is required for admission into this program.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in chemistry from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- statement of purpose discussing career goals and undergraduate experiences
- two letters of recommendation regarding the student's academic potential and undergraduate research experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Chemistry requires 30 semester credit hours, including a thesis.

Course Requirements

Code	Title	Hours
Required Courses		
CHEM 5110	Seminar in Chemistry (Taken 3 times)	3

CHEM 5321	Advanced Organic Chemistry	3
CHEM 5330	Physical Chemistry	3
CHEM 5341	Inorganic Chemistry	3
CHEM 5365	Separation Methods in Chemical Analysis	3
CHEM 5395	Fundamentals of Research	3
Electives		
Choose 6 hours from the following:		6
CHEM 5310	Medicinal Chemistry	
CHEM 5312	Organometallic Chemistry	
CHEM 5313	Principles and Applications of Mass Spectrometry	
CHEM 5320	Modern Molecular Modeling	
CHEM 5333	Spectroscopy	
CHEM 5351	Introduction to Polymers and Polymer Synthesis	
CHEM 5353	Polymer Processing and Characterization	
CHEM 5355	Physical Chemistry of Polymers	
CHEM 5382	Enzymology	
CHEM 5383	Molecular Biology & Molecular Genetics	
CHEM 5385	MPMetabolism	
CHEM 5390	Supramolecular Chemistry	
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship	
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship	
MSEC 7311	Materials Characterization	
MSEC 7320	Nanocomposites	
MSEC 7325	Principles of Technical Project Management	
MSEC 7340	Biomaterials and Biosensors	
MSEC 7370	Advanced Polymer Science	
Thesis		
CHEM 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
CHEM 5199B	Thesis	
CHEM 5299B	Thesis	
CHEM 5399B	Thesis	
CHEM 5599B	Thesis	
CHEM 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until

the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Chemistry and Biochemistry: CHEM

Courses Offered

Chemistry (CHEM)

CHEM 5110. Seminar in Chemistry.
A course designed to acquaint the graduate student with current research areas in chemistry. May be repeated twice for total of 3 semester hour credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5195. Professional Development of Graduate Assistants.
This course is designed to develop and enhance graduate assistants' laboratory instruction abilities. Topics covered in the course include effective lecture techniques, laboratory safety, theory and practical knowledge on laboratory experiments and laboratory section management. This course does not earn graduate credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CHEM 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5285. Laboratory Development Practice.
This course develops the laboratory instructional abilities of post-baccalaureate students seeking either 8-12 Chemistry or 8-12 Physical Science Teaching Certification. Topics include both traditional laboratory techniques and guided inquiry techniques, safety, laboratory management, pedagogical theory and practical knowledge of laboratory experiments.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CHEM 5295. Professional Development of Graduate Assistants.
This course is designed to develop and enhance graduate assistants' laboratory instruction abilities. Topics covered in the course include effective lecture techniques, laboratory safety, theory and practical knowledge on laboratory experiments and laboratory section management. This course does not earn graduate credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CHEM 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5310. Medicinal Chemistry.
This course surveys modern approaches to drug discovery and mechanisms of drug action with the focus on molecular structures of drugs. Examples of drug discovery for the chemotherapy of cancer, microbial and cardiovascular diseases will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5312. Organometallic Chemistry.
This course will survey the structure, bonding, and reactivity of organometallic complexes. Homogeneous catalysis of the transition metals as well as the main group elements along with specialized "seminal research papers" in the field of organometallic chemistry will also be presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5313. Principles and Applications of Mass Spectrometry.
This course is designed for graduate chemistry and biochemistry majors. Sections of the course are devoted to the theory and practice of mass spectrometry. Application to chemistry, biochemistry, biology and materials science will be explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5320. Modern Molecular Modeling.
The application of computational techniques to molecular modeling. Topics covered include quantum mechanical modeling, force field based molecular modeling, energy minimization, molecular dynamics, vibrational spectra, solution of crystalline structures, diffraction patterns, molecular blends, phase equilibria, crystal morphology, physical property prediction, and mesoscale modeling. Prerequisites: CHEM 3340 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5321. Advanced Organic Chemistry.
Study of the relation of the following topics to structure and reactions of organic compounds: bonding, stereochemistry, acid-base concepts, physical organic chemistry, reactive species, and mechanisms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5330. Physical Chemistry.
Fundamentals of physical chemistry are surveyed, emphasizing application in the other chemical sub-disciplines. Topics include classical thermodynamics, kinetics, atomic structure, and molecular spectroscopy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5333. Spectroscopy.
Study of various spectrometric techniques in qualitative and structural analysis of chemical substances. Students who have completed CHEM 4333 or its equivalent may not take this course for master's credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5341. Inorganic Chemistry.
This course will review essential concepts in inorganic chemistry including atomic structure, bonding theory, acid-base chemistry, solid state structures, and coordination chemistry. Analytical techniques for characterizing inorganic structures will be discussed along with current topics in the field. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Standard Letter

CHEM 5351. Introduction to Polymers and Polymer Synthesis.
This course is designed to develop the student's general understanding of polymer history and importance as well as terminology, structure, and synthesis. The overall scope of the course will be to develop the student's general knowledge of polymer synthesis and structure. Students who have completed CHEM 4351 or its equivalent may not take this course for master's credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5353. Polymer Processing and Characterization.
This course is designed to explore the areas of polymer processing and characterization. Students will be introduced to extrusion, injection molding, film formation, thermoforming, thermal-mechanical measurements, classical mechanical testing, thermal-optical measurements, and methods for determination of polymer molecular weight. Prerequisites: CHEM 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5355. Physical Chemistry of Polymers.
A study of the physical chemistry of polymers. Subjects covered include thermodynamics, kinetic polymerization, phase relationships, molecular geometry, spectroscopy of polymers, polymer physics and mechanical behavior, polymer blends, rheology, and polymer composites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5365. Separation Methods in Chemical Analysis.
The principles of gas chromatography, capillary electrophoresis, and mass spectrometry are discussed with a balance among theory, practice, and application.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5370. Problems in Chemistry.
Open to graduate students on an individual basis by arrangement with the faculty member concerned. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5375. Biochemistry.
A course devoted to a study of the chemistry of carbohydrates, lipids, proteins, enzymes, and nucleic acids. A study of enzyme kinetics and thermodynamics of coupled reactions is included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5381. Physical Biochemistry.
An introduction to the physical techniques of biochemistry with emphasis on the interpretation of experimental data obtained from electrophoresis, chromatography, immunological methods, ultracentrifugation, spectroscopy and emerging techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5382. Enzymology.
A study of the chemical and physical properties of enzymes. Topics will include structure-function relationships, elucidation of chemical and kinetic mechanisms, and the role of enzymes in metabolism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5383. Molecular Biology & Molecular Genetics.
This course addresses the basic genetic mechanisms of bacteria and eukaryotes and introduces some examples of the biochemical and genetic techniques employed to study cells, tissues, and organisms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5384. Current Topics in Biochemistry and Molecular Biology.
Course provides students with advanced knowledge in the areas of biochemistry and molecular biology. Topics include signal transduction and the molecular biology of cancer, as well as emerging topics in Genomics, Proteomics, and other new developments in biochemistry. May be repeated once for credit. Prerequisites: CHEM 5381 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CHEM 5385. Metabolism.
A study of biodegradation and biosynthesis of carbohydrates, lipids, amino acids, proteins, and nucleic acids. Students who have completed CHEM 4385 or its equivalent may not take this course for master's credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5386. Proteins.
This course will cover advanced biochemistry topics related to proteins. Topics will include protein structure, structure-function relationships, and current methodologies for examining proteins in addition to current findings in primary literature. Prerequisite: CHEM 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5387. Nucleic Acids Chemistry.
This course will cover advanced biochemistry topics related to nucleic acids. Topics will include nucleic acid structures and properties, catalytic nucleic acids, protein-nucleic acid interactions, higher order complexes of protein-nucleic acids, and current methodologies for examining nucleic acids in addition to current findings in primary literature. Prerequisite: CHEM 5383 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5390. Supramolecular Chemistry.
This course is designed to be a survey of the nature of non-covalent interactions between host and gust species. Emphasis will be focused on the rational design of hosts, thermodynamic and kinetic parameters involved in binding and the applications of various binding/recognition phenomena.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5395. Fundamentals of Research.
Course is designed to acquaint the beginning graduate student with materials and methods of chemical research.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in CHEM 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Bachelor of Science (B.S.) and Master of Science (M.S.) Major in Biochemistry (Early-Entry Program)

Qualified biochemistry majors completing their junior year of biochemistry courses who plan to pursue advanced studies in Biochemistry have the opportunity to complete both a Bachelor of Science and a Master of Science degree with two additional years (including summers) of course work and research in chemistry. Students may be admitted to the M.S. program without entrance qualification exams if they have a 3.00 GPA or higher in all chemistry and biochemistry courses, have completed CHEM 3381, CHEM 3380, and two semesters of CHEM 4299, have taken the Graduate Record Exam, and have been accepted by a graduate thesis advisor. Applicants will be evaluated by the Graduate Evaluation Committee to determine their suitability to enter the program. The application process is the same as for other graduate applicants to The Graduate College. Graduate status

is provisional until the B.S. degree is awarded. The B.S. degree will be certified as approved by the American Chemical Society for students completing CHEM 3341 (fall only course) as an advanced elective.

Bachelor of Science (B.S.) and Master of Science (M.S.) Major in Chemistry (Early-Entry Program)

Qualified chemistry majors completing their junior year of chemistry courses who plan to pursue advanced studies in Chemistry have the opportunity to complete both a Bachelor of Science and a Master of Science degree with two additional years (including summers) of course work and research in chemistry. Students may be admitted to the M.S. program without entrance qualification exams if they have a 3.00 GPA or higher in all chemistry courses, have completed CHEM 3381, CHEM 3380, and two semesters of CHEM 4299, have taken the Graduate Record Exam, and have been accepted by a graduate thesis advisor. Applicants will be evaluated by the Graduate Evaluation Committee to determine their suitability to enter the program. The application process is the same as for other graduate applicants to The Graduate College. Graduate status is provisional until the B.S. degree is awarded. The B.S. degree will be certified as approved by the American Chemical Society for students completing CHEM 3341 (fall only course) as an advanced elective.

Minor in Biochemistry

The graduate minor in Biochemistry requires 9 semester credit hours. This minor is only available for graduate students in the College of Science and Engineering.

Code	Title	Hours
Required Courses		
CHEM 5381	Physical Biochemistry	3
CHEM 5386	Proteins	3
CHEM 5387	Nucleic Acids Chemisty	3
Total Hours		9

Minor in Chemistry

The graduate minor in Chemistry requires 6 semester credit hours.

Code	Title	Hours
Required Courses		
Choose 6 hours of advisor-approved master's level CHEM courses		6

Department of Computer Science

Comal Building Room 211
PH: 512.245.3409 FAX: 512.245.8750
http://www.cs.txstate.edu/

The Department of Computer Science at Texas State is the hub of computing related education and research activities on the campus.

The department is on a mission to advance the knowledge of computer science and technology through education, research, and service for the betterment of industry, government, and society. We seek to become a competitive doctoral-granting department and to expand our depth and breadth in the research and study of applied computing.

Computer science faculty members actively pursue research in artificial intelligence, computer communication and networking, computer vision, cyber security and trustworthy computing, database and information systems, data analytics, distributed and parallel computing, high performance computing, human computer interaction, image retrieval, machine learning multimedia computing, real time systems, sensor networks, software engineering, and sustainable computing. The faculty's research has been supported by federal and state agencies and industry such as NSF, NIST, DoD, DoE, PNNL, LLNL, TxDOT, Semiconductor Research Consortium, IBM, Intel, NVidia, Google, Cisco, and Emerson. Our faculty members have obtained prestigious awards such as the PECASE Award, NSF CAREER Awards, IBM Faculty Fellowship, and Google Faculty Research Awards.

Computer science students take courses in a well-designed curriculum taught by the department's faculty members who are accessible, nurturing, and eager to engage students in learning and research. Students have access to an array of hardware, system software, and applications in our first-class computing laboratories.

Non-Degree Credit

Individuals may apply for “non-degree seeking student” admission through The Graduate College to enroll in computer science background.

Please note: International students must meet specific admission requirements, including acceptable TOEFL or IELTS scores. Please refer to the “Non-Degree-Seeking Applicants (p. 719)” section of this catalog.

Doctor of Philosophy (Ph.D.)

- Major in Computer Science (Information Management Concentration Entering with Master's Degree) (http://mycatalog.txstate.edu/graduate/science-engineering/computer/computerscience-infomang-enteringmasters-phd)
- Major in Computer Science (Information Management Concentration Entering with Bachelor's Degree) (http://mycatalog.txstate.edu/graduate/science-engineering/computer/computerscience-infomang-enteringbachelors-phd)
- Major in Computer Science (Software Systems Concentration Entering with Master's Degree) (http://mycatalog.txstate.edu/graduate/science-engineering/computer/computerscience-softwaresystems-enteringmasters-phd)
- Major in Computer Science (Software Systems Concentration Entering with Bachelor's Degree) (http://mycatalog.txstate.edu/graduate/science-engineering/computer/computerscience-softwaresystems-enteringbachelors-phd)

Master of Arts (M.A.)

- Major in Computer Science (Non-thesis Option) (http://mycatalog.txstate.edu/graduate/science-engineering/computer/ma)
- Major in Computer Science (Thesis Option) (http://mycatalog.txstate.edu/graduate/science-engineering/computer/computerscience-thesis-ma)

Master of Science (M.S.)

- Major in Computer Science (Data Science Concentration Non-thesis No Minor Option) (p. 2457)
- Major in Computer Science (Non-thesis Option) (http://mycatalog.txstate.edu/graduate/science-engineering/computer/ms)

- Major in Computer Science (Non-thesis Science Minor Option) (http://mycatalog.txstate.edu/graduate/science-engineering/computer/computerscience-nonthesis-minor-ms)
- Major in Computer Science (Thesis Option) (http://mycatalog.txstate.edu/graduate/science-engineering/computer/computerscience-thesis-nominor-ms)
- Major in Computer Science (Thesis Science Minor Option) (http://mycatalog.txstate.edu/graduate/science-engineering/computer/computerscience-thesis-minor-ms)
- Major in Software Engineering (Non-thesis Option) (p. 2482)
- Major in Software Engineering (Thesis Option) (p. 2487)

Minors

- Computer Science (p. 2493)
- Software Engineering (p. 2493)

Doctor of Philosophy (Ph.D.) Major in Computer Science (Information Management Concentration Entering with Master's Degree)

Program Overview

The Department of Computer Science offers an applied computer science Ph.D. program that incorporates leadership, innovation, communication, and entrepreneurship to prepare students to navigate multiple career environments. The program is the first in Texas to combine the application of computer science practice and theory with entrepreneurial and commercialization skills. The curriculum integrates entrepreneurship and commercialization and is centered on two technical tracks that align with faculty research interests: Information Management and Software Systems. The Information Management track encompasses research topics in data analytics and management, human computer interaction, and informatics. The Software Systems track covers topics in computer security and networking, high-performance computing, and software engineering. In addition, the program requires students to participate in entrepreneurship boot camps, defend a business plan, design and implement a substantial piece of software, and complete business and commercialization courses.

Educational Goal

Based on the curricular areas and expectations described above, the main educational objectives of the Texas State program are to equip program graduates with:

1. technical knowledge in complementary areas of applied computing,
2. skills for conducting cutting-edge research that advances the current state-of-the-art in applied computing, and
3. leadership, innovation, communication, and entrepreneurial skills that prepare students to take on challenges in multiple career environments, including their own startup companies.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- **Transcripts & GPA for applicants with a bachelor's and master's degree**
  - baccalaureate degree in computer science or related field from a regionally accredited university
  - master's degree in computer science or related field from a regionally accredited university
  - official transcripts from **each institution** where course credit was granted
  - minimum 3.3 GPA in all completed graduate courses
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- interview (top-ranking applicants only)
- resume/CV
- three letters of recommendation submitted directly from professionals who are qualified to assess the student's academic abilities
- written statement of research interests and goals

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 85 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0
- This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Computer Science concentration in information management requires 54 semester credit hours. Two boot camps are required. The boot camps will provide academic preparation in non-technical skills such as the development of business plans, project management, negotiation, grant writing, intellectual property, leadership, entrepreneurship, and communication.

Course Requirements

Code	Title	Hours
Required Courses		
CS 7300	Introduction to Research in Computer Science	3
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship	3
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship	3
Breadth Requirement		
Information Management		

Choose 6 hours from the following:		6
CS 7311	Data-Driven Computational Methods and Infrastructure	
CS 7312	Advanced Data Mining	
CS 7313	Advanced Machine Learning and Pattern Recognition	
CS 7314	Bioinformatics	
CS 7321	Human Computer Interaction: Concepts, Models, and Methodologies	
CS 7322	Human Factors and Ergonomics	
CS 7323	Image Processing and Computer Vision	
CS 7324	HCI Paradigms for Animation, Visualization, and Virtual/Augmented Reality	
CS 7389A	Service Computing	
Software Systems		
Choose 6 hours from the following:		6
CS 7331	High-Performance Computing	
CS 7332	Advanced Parallel Computing	
CS 7333	Advanced Green Computing	
CS 7341	Cyberspace Security	
CS 7342	Advanced Computer Networking	
CS 7343	Mobile Networks and Computing	
CS 7351	Advanced Software Engineering	
CS 7389B	Advanced Software Evolution	
Technical Depth		
Choose 9 hours from the following: [1]		9
CS 7311	Data-Driven Computational Methods and Infrastructure	
CS 7312	Advanced Data Mining	
CS 7313	Advanced Machine Learning and Pattern Recognition	
CS 7314	Bioinformatics	
CS 7321	Human Computer Interaction: Concepts, Models, and Methodologies	
CS 7322	Human Factors and Ergonomics	
CS 7323	Image Processing and Computer Vision	
CS 7324	HCI Paradigms for Animation, Visualization, and Virtual/Augmented Reality	
CS 7389A	Service Computing	
Up to two graduate-level courses outside of the Computer Science department can be taken if the dissertation project requires multidisciplinary knowledge as determined by the dissertation advisor. The dissertation advisor must approve the courses.		
Dissertation		
Choose a minimum of 24 hours from the following:		24
CS 7199	Dissertation	
CS 7299	Dissertation	
CS 7399	Dissertation	
CS 7599	Dissertation	
CS 7699	Dissertation	
CS 7999	Dissertation	
Total Hours		54

[1] Only courses which have not been completed in the breadth requirement may be completed in the depth requirement.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Application for Advancement to Candidacy

When all requirements for admission to candidacy have been met (completion of boot camps, completion of required coursework, passing of the qualifying and comprehensive exams, completion of the programming requirement, and submission of an approved dissertation proposal) the Ph.D. program director forwards the Application for Advancement to Candidacy to the dean of The Graduate College for review and approval. This application form is available on The Graduate College website.

Grade-Point Requirements for Advancement to Candidacy

A minimum GPA of 3.0 on all coursework undertaken in the doctoral program is required for admission to candidacy. Grades below a B on any graduate coursework cannot be applied toward the Ph.D. degree. Incomplete grades must have been cleared before approval for advancement to candidacy can be granted. No more than six semester credit hours of dissertation research can be taken before advancing to candidacy.

Advancement to Candidacy Time Limit

No credit will be applied toward a student's doctoral degree for coursework completed more than five years before the date on which the student is admitted to candidacy. This time limit applies to course credit earned at Texas State as well as course credit transferred to Texas State from other institutions.

Dissertation Proposal

The proposal must outline the substance and scope of the planned dissertation research and explain its merits. It has to include at least an introduction, methodology to be used, a survey of the relevant literature, and preliminary results that demonstrate the feasibility. The goal of the proposal is to establish that the student has a sufficient grasp of the fundamentals of the chosen dissertation topic to execute the research.

Comprehensive Examination

The comprehensive examination consists of a written and an oral component. The qualifying exam serves as the written component. The oral component is administered by the dissertation committee, typically right after the dissertation proposal. Completion of both the business plan and a grant proposal are required for advancing to candidacy and is part of the comprehensive examination.

Dissertation Enrollment Requirements

After being admitted to candidacy, students must be continuously enrolled for dissertation hours each fall and spring semester until the defense of their dissertation. At least 18 semester credit hours of dissertation research must be taken after having advanced to candidacy. If a student is receiving supervision on the dissertation during the summer or if the student is graduating in the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours (e.g., CS 7199) during

the semester in which the degree is to be conferred, even if they have already satisfied the minimum dissertation hours.

Dissertation Time Limit

Each Ph.D. student must prepare a written dissertation proposal and defend it orally. This should be done by the time the student has completed 36 semester credit hours and after identifying the dissertation committee, passing the qualifying exam, fulfilling the programming requirement, and completing all required courses and boot camps. Any student who does not defend his/her dissertation proposal by the time 45 semester credit hours have been accrued will be dismissed from the program. After advancing to candidacy a student should complete their dissertation within five years, keeping in mind the ten year total time limit.

If the proposal defense is not passed, the student will have the option of taking a second and final defense in the following long semester. Students will be dismissed from the program if they do not pass the proposal defense the second time.

Dissertation Committee

The student, in consultation with his/her dissertation advisor, must establish a dissertation committee that consists of the dissertation advisor, two other doctoral faculty members from the Department, and one faculty member with at least adjunct doctoral faculty status either from another department within the university or from another institution who would be selected based on the relevancy of their research to the student's dissertation. The dissertation advisor serves as the chair of the committee.

Committee Changes

Any change to the dissertation committee must be submitted using the Dissertation Advisor/Committee Member Change Request Form for approval by the Dean of The Graduate College. Changes must be submitted no later than sixty days before the dissertation defense. The "Dissertation Advisor/Committee Member Change Request form" may be downloaded from The Graduate College's website.

Dissertation Proposal

The proposal must outline the substance and scope of the planned dissertation research and explain its merits. It has to include at least an introduction, methodology to be used, a survey of the relevant literature, and preliminary results that demonstrate the feasibility. The goal of the proposal is to establish that the student has a sufficient grasp of the fundamentals of the chosen dissertation topic to execute the research.

Dissertation Research and Writing

All doctoral students must complete a dissertation that consists of original research and demonstrates mature scholarship and critical judgment in addition to familiarity with tools and methods in the chosen area. The dissertation project must adhere to the dissertation proposal and cover the topic approved by the student's dissertation committee.

Dissertation Defense

Once the dissertation has been completed, a final exam (referred to as the dissertation defense) on the dissertation must be conducted. The dissertation defense cannot be scheduled until all other academic and program requirements have been fulfilled. A complete draft of the dissertation must be given to the members of the dissertation committee at least one month before the defense. However, students are highly encouraged to provide drafts earlier so that the committee members can provide feedback, which the student, in consultation with the dissertation advisor, will address in later drafts to ensure that the dissertation is defendable and each committee member is satisfied before the dissertation defense takes place.

The dissertation defense consists of two parts. The first part is a public presentation of the dissertation research. The second part of the defense immediately follows the public presentation. It is restricted to participation of the student's dissertation committee and entails an oral examination of the dissertation research. Approval of the dissertation requires positive votes from the student's dissertation advisor and from the majority of the remaining members of the dissertation committee. Notice of the defense presentation will be publicly posted at least two weeks in advance.

If the dissertation defense is not approved, the student will have the option of taking a second and final dissertation defense in the following long semester. Students who do not pass the dissertation defense the second time will be dismissed from the program.

The results of the dissertation defense must be recorded in the Dissertation Defense Report Form and submitted to The Graduate College before the Dean of The Graduate College can give final approval of the dissertation. This form can be downloaded from The Graduate College's website. The student must submit his/her dissertation to The Graduate College for final approval. The guidelines for submission and approval of the dissertation can be obtained from The Graduate College.

Students must pass the dissertation defense by the time 90 semester credit hours have been accrued. The Ph.D. program director will review each student annually to ascertain his/her progress towards the degree and will consult the student's dissertation advisor and dissertation committee on this matter as needed. Any student who does not pass the dissertation defense by the time 90 semester credit hours have been accrued will be dismissed from the program.

Approval and Submission of the Dissertation

A final copy of the dissertation proposal, accompanied by the signed approval forms, must be turned in to the Ph.D. program director, who will forward them to the Dean of The Graduate College for review and final approval.

Doctorate level courses in Computer Science: CS

Courses Offered

Computer Science (CS)

CS 7100. Graduate Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7199. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no-credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7299. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no-credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7300. Introduction to Research in Computer Science.
This credit/no credit course is designed to develop research and communication skills for Ph.D. students. Topics covered include research processes, research methods, ethics, conducting literature review, critiquing papers, preparing research proposals, faculty research presentations, and the software tools and platforms available for conducting applied computing research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 7308. Computer Science Studies.
This course provides foundations in computer science for students entering the doctoral program who may need certain background or leveling coursework. The course does not earn graduate degree credit. It is repeatable with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 7309. Professional Development of Doctoral Assistants.
This course is designed to equip the doctoral students with skills and an understanding of the proper procedures to be effective doctoral instructional and teaching assistants. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 7311. Data-Driven Computational Methods and Infrastructure.
This course covers computational and statistical methods for using large-scale data sets ('big data') to answer scientific and business questions. It focuses on framing research questions, understanding how data can answer them, and using modern software tools for scalable data storage, processing, and analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7312. Advanced Data Mining.
This course provides in-depth coverage of advanced data mining and information retrieval principles and techniques. It also offers extensive training and practice opportunities in frontier research directions. Prerequisite: CS 5316 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7313. Advanced Machine Learning and Pattern Recognition.
This course provides students advanced theoretical and practical skills to learn, design, implement, and apply machine learning and pattern recognition approaches. The students will gain analytical and problem-solving skills by studying machine learning and pattern recognition techniques and applying them to solve real problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7314. Bioinformatics.
This course introduces advanced algorithms for data-intensive computational analysis targeting biological applications such as drug response prediction, gene network analysis, and protein/RNA structure prediction. Main techniques include greedy search, linear regression, clustering, network analysis, expectation maximization, and Hidden Markov models, which are widely applicable beyond biological data. Prerequisite: CS 5329 or CS 5369L either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7321. Human Computer Interaction: Concepts, Models, and Methodologies.
This course provides an introduction to Human Computer Interaction (HCI) research, methods, and topics, including fundamentals of user interface and experimental design, usability, evaluation methods, software toolkits for interactive applications, graphics, visualization, mobile design, collaborative and social computing, biological factors, and human computation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7322. Human Factors and Ergonomics.
This course combines knowledge in the fields of intelligent user interfaces, human factors, ergonomics, and environmental psychology. Topics include HCI principles, human information processing, anthropometry, principles of eye tracking and their effects on human factors research, as well as operations of biometrics systems and human factors influencing those systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7323. Image Processing and Computer Vision.
Image Processing and Computer Vision are research areas with a variety of modern applications ranging from the analysis of images and videos to real-time processing of image streams coming from self-driving vehicles and robotic agents. This course will prepare students with advanced state of the art knowledge in those fields. Prerequisite: CS 5329 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7324. HCI Paradigms for Animation, Visualization, and Virtual/ Augmented Reality.
This course introduces advanced methods for enhancing user experience and presents effective HCI models via computer graphics, imaging, animation, simulation, visualization, augmented reality, and immersive virtual reality. Additionally, the course presents related science and engineering foundations as well as graphic design, cognitive science, and perceptual psychology theories and models. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7331. High-Performance Computing.
This course covers the advanced design, analysis, and optimization of high-performance applications. Topics include high-performance computer architectures, including accelerators and systems-on-chip, performance modeling and benchmarking, data and control dependence analysis, data locality estimation, memory hierarchy management, techniques for exposing parallelism, and code transformations. Different workloads are studied. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7332. Advanced Parallel Computing.
This course covers advanced design of parallel algorithms, performance modeling, parallel hardware, language support for parallel programming, and programming models for shared- and distributed-memory systems ranging from handheld multicore devices to large-scale clusters and accelerators. The students will gain applied knowledge and skills by developing parallel software for multiple platforms. Prerequisite: CS 5351 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7333. Advanced Green Computing.
This course covers hardware and software techniques to improve the energy-efficiency of computing systems. Topics include best practices in building energy-efficient data centers and mobile devices, current trends in reducing the energy consumption of processors and storage components, energy-aware resource management, software optimizations, and hands-on experience on power-measurable systems. Prerequisite: CS 5351 and CS 5369Y both with grades of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7341. Cyberspace Security.
This course presents recent advances in methodologies, models, systems and applications of cyberspace security research. Topics include in-depth coverage of the state-of-the-art security technologies and research issues on information security, software security, network security, secure system design, secure programming, applied cryptography, vulnerability, and threats. Prerequisite: CS 5378 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7342. Advanced Computer Networking.
This course covers recent research ideas, methodologies and approaches in networking research. The course focuses on the development of protocols and the analysis of related algorithms. Topics include new network architectures, cloud computing, software defined networking, wireless systems, social networks, and security and privacy. Prerequisite: CS 5310 or CS 5343 either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7343. Mobile Networks and Computing.
This course provides an in-depth study of wireless mobile communication networks, wireless network measurements and modeling, channel assignments and coverage, wireless network protocols, mobile data management, wireless security, and various wireless network applications including ad hoc, sensor networks, delay-tolerant networks, and mobile social networks. Prerequisite: CS 5310 or CS 5343 either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7351. Advanced Software Engineering.
Software engineering is the application of scientific methods to software development and maintenance. This course provides an in-depth study of advanced concepts and techniques of automatic software generation and analysis. Topics include software process programming, symbolic execution, model checking, property generation and checking, and runtime verification of complex software systems. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7387. Research in Computer Science.
This course covers up-to-date research topics in computer science under the direction of a supervising professor. The course can be repeated once for additional credit with a different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7389A. Service Computing.
This course introduces concepts and principles for enabling the development of software as a service based on Service-Oriented Architecture (SOA), methodology of SOA systems development, the main technologies used in achieving SOA, and state of the art techniques and advances in emerging cloud and edge (Internet of Things) services. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7389B. Advanced Software Evolution.
This topics course provides an in-depth study of state-of-the-art software evolution techniques and tools based on the current research literature. Software evolution has become increasingly important in software development. Software systems often evolve to fix defects, to improve performance, or to adapt to various other requirements. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7389C. Real-time Systems.
This course is to study issues related to the design and analysis of systems with real-time constraints. The problem of ensuring such constraints is ultimately a scheduling problem, so much attention is devoted to such problems. This course aims to provide a solid foundation for conducting research in real-time systems or related areas. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7399. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7599. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7699. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7999. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Doctor of Philosophy (Ph.D.) Major in Computer Science (Information Management Concentration Entering with Bachelor's Degree)

Program Overview

The Department of Computer Science offers an applied computer science Ph.D. program that incorporates leadership, innovation, communication, and entrepreneurship to prepare students to navigate multiple career environments. The program is the first in Texas to combine the application of computer science practice and theory with entrepreneurial and commercialization skills. The curriculum integrates entrepreneurship and commercialization and is centered on two technical tracks that align with faculty research interests: Information Management and Software Systems. The Information Management track encompasses research topics in data analytics and management, human computer interaction, and informatics. The Software Systems track covers topics in computer security and networking, high-performance computing, and software engineering. In addition, the program requires students to participate in entrepreneurship boot camps, defend a business plan, design and implement a substantial piece of software, and complete business and commercialization courses.

Educational Goal

Based on the curricular areas and expectations described above, the main educational objectives of the Texas State program are to equip program graduates with:

1. technical knowledge in complementary areas of applied computing,
2. skills for conducting cutting-edge research that advances the current state-of-the-art in applied computing, and
3. leadership, innovation, communication, and entrepreneurial skills that prepare students to take on challenges in multiple career environments, including their own startup companies.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application

- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- **Transcripts & GPA for applicants with a bachelor's degree only**
  - baccalaureate degree in computer science or related field from a regionally accredited university
  - official transcripts from **each institution** where course credit was granted
  - minimum 3.0 GPA in the last 60 hours of undergraduate courses (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- interview (top-ranking applicants only)
- resume/CV
- three letters of recommendation submitted directly from professionals who are qualified to assess the student's academic abilities
- written statement of research interests and goals

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 85 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Computer Science concentration in information management requires 78 semester credit hours, up to 24 hours of which can be from 5000 level master's Computer Science courses (the selection of courses in this category should be made in consultation with the student's Ph.D. advisor and the program director). Two boot camps are required. The boot camps will provide academic preparation in non-technical skills such as the development of business plans, project management, negotiation, grant writing, intellectual property, leadership, entrepreneurship, and communication.

Course Requirements

Code	Title	Hours
Required Courses		
CS 7300	Introduction to Research in Computer Science	3
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship	3
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship	3
Breadth Requirement		
Information Management		
Choose 6 hours from the following:		6
CS 7311	Data-Driven Computational Methods and Infrastructure	
CS 7312	Advanced Data Mining	
CS 7313	Advanced Machine Learning and Pattern Recognition	
CS 7314	Bioinformatics	
CS 7321	Human Computer Interaction: Concepts, Models, and Methodologies	
CS 7322	Human Factors and Ergonomics	
CS 7323	Image Processing and Computer Vision	
CS 7324	HCI Paradigms for Animation, Visualization, and Virtual/Augmented Reality	
CS 7389A	Service Computing	
Software Systems		
Choose 6 hours from the following:		6
CS 7331	High-Performance Computing	
CS 7332	Advanced Parallel Computing	
CS 7333	Advanced Green Computing	
CS 7341	Cyberspace Security	
CS 7342	Advanced Computer Networking	
CS 7343	Mobile Networks and Computing	
CS 7351	Advanced Software Engineering	
CS 7389B	Advanced Software Evolution	
Technical Depth		
Choose 9 hours from the following: [1]		9
CS 7311	Data-Driven Computational Methods and Infrastructure	
CS 7312	Advanced Data Mining	
CS 7313	Advanced Machine Learning and Pattern Recognition	
CS 7314	Bioinformatics	
CS 7321	Human Computer Interaction: Concepts, Models, and Methodologies	
CS 7322	Human Factors and Ergonomics	
CS 7323	Image Processing and Computer Vision	
CS 7324	HCI Paradigms for Animation, Visualization, and Virtual/Augmented Reality	
CS 7387	Research in Computer Science	
CS 7389A	Service Computing	
Up to two graduate-level courses outside of the Computer Science department can be taken if the dissertation project requires multidisciplinary knowledge as determined by the dissertation advisor. The dissertation advisor must approve the courses.		
Prescribed Electives		
Choose 24 hours from the following 7000 and 5000 level courses: [2]		24
CS 7331	High-Performance Computing	
CS 7332	Advanced Parallel Computing	
CS 7333	Advanced Green Computing	
CS 7341	Cyberspace Security	
CS 7342	Advanced Computer Networking	
CS 7343	Mobile Networks and Computing	
CS 7351	Advanced Software Engineering	
CS 7389B	Advanced Software Evolution	
CS 7311	Data-Driven Computational Methods and Infrastructure	
CS 7312	Advanced Data Mining	

CS 7313	Advanced Machine Learning and Pattern Recognition	
CS 7314	Bioinformatics	
CS 7321	Human Computer Interaction: Concepts, Models, and Methodologies	
CS 7322	Human Factors and Ergonomics	
CS 7323	Image Processing and Computer Vision	
CS 7324	HCI Paradigms for Animation, Visualization, and Virtual/Augmented Reality	
CS 7389A	Service Computing	
CS 5329	Algorithm Design and Analysis	
CS 5346	Advanced Artificial Intelligence	
CS 5391	Survey of Software Engineering	
CS 5306	Advanced Operating Systems	
CS 5310	Network and Communication Systems	
CS 5332	Data Base Theory and Design	
CS 5318	Design of Programming Languages	
CS 5338	Formal Languages	
CS 5351	Parallel Processing	
CS 5392	Formal Methods in Software Engineering	
CS 5393	Software Quality	
CS 5396	Advanced Software Engineering Processes and Methods	
Dissertation		
Choose a minimum of 24 hours from the following:		24
CS 7199	Dissertation	
CS 7299	Dissertation	
CS 7399	Dissertation	
CS 7599	Dissertation	
CS 7699	Dissertation	
CS 7999	Dissertation	
Total Hours		78

[1] Only courses which have not been completed in the breadth requirement may be completed in the depth requirement.

[2] Courses that are already used to satisfy the breadth and technical depth cannot be used for other elective requirements.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Application for Advancement to Candidacy

When all requirements for admission to candidacy have been met (completion of boot camps, completion of required coursework, passing of the qualifying and comprehensive exams, completion of the programming requirement, and submission of an approved dissertation proposal) the Ph.D. program director forwards the Application for Advancement to Candidacy to the dean of The Graduate College for review and approval. This application form is available on The Graduate College website.

Grade-Point Requirements for Advancement to Candidacy

A minimum GPA of 3.0 on all coursework undertaken in the doctoral program is required for admission to candidacy. Grades below a B on any graduate coursework cannot be applied toward the Ph.D. degree. Incomplete grades must have been cleared before approval for advancement to candidacy can be granted. No more than six semester credit hours of dissertation research can be taken before advancing to candidacy.

Advancement to Candidacy Time Limit

No credit will be applied toward a student's doctoral degree for coursework completed more than five years before the date on which the student is admitted to candidacy. This time limit applies to course credit earned at Texas State as well as course credit transferred to Texas State from other institutions.

Dissertation Proposal

The proposal must outline the substance and scope of the planned dissertation research and explain its merits. It has to include at least an introduction, methodology to be used, a survey of the relevant literature, and preliminary results that demonstrate the feasibility. The goal of the proposal is to establish that the student has a sufficient grasp of the fundamentals of the chosen dissertation topic to execute the research.

Comprehensive Examination

The comprehensive examination consists of a written and an oral component. The qualifying exam serves as the written component. The oral component is administered by the dissertation committee, typically right after the dissertation proposal. Completion of both the business plan and a grant proposal are required for advancing to candidacy and is part of the comprehensive examination.

Dissertation Enrollment Requirements

After being admitted to candidacy, students must be continuously enrolled for dissertation hours each fall and spring semester until the defense of their dissertation. At least 18 semester credit hours of dissertation research must be taken after having advanced to candidacy. If a student is receiving supervision on the dissertation during the summer or if the student is graduating in the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours (e.g., CS 7199) during the semester in which the degree is to be conferred, even if they have already satisfied the minimum dissertation hours.

Dissertation Time Limit

Each Ph.D. student must prepare a written dissertation proposal and defend it orally. This should be done by the time the student has completed 36 semester credit hours and after identifying the dissertation committee, passing the qualifying exam, fulfilling the programming requirement, and completing all required courses and boot camps. Any student who does not defend his/her dissertation proposal by the time 45 semester credit hours have been accrued will be dismissed from the program. After advancing to candidacy a student should complete their dissertation within five years, keeping in mind the ten year total time limit.

If the proposal defense is not passed, the student will have the option of taking a second and final defense in the following long semester. Students will be dismissed from the program if they do not pass the proposal defense the second time.

Dissertation Committee

The student, in consultation with his/her dissertation advisor, must establish a dissertation committee that consists of the dissertation advisor, two other doctoral faculty members from the Department, and one faculty member with at least adjunct doctoral faculty status either from another department within the university or from another institution who would be selected based on the relevancy of their research to the student's dissertation. The dissertation advisor serves as the chair of the committee.

Committee Changes

Any change to the dissertation committee must be submitted using the Dissertation Advisor/Committee Member Change Request Form for approval by the Dean of The Graduate College. Changes must be submitted no later than sixty days before the dissertation defense. The "Dissertation Advisor/Committee Member Change Request form" may be downloaded from The Graduate College's website.

Dissertation Proposal

The proposal must outline the substance and scope of the planned dissertation research and explain its merits. It has to include at least an introduction, methodology to be used, a survey of the relevant literature, and preliminary results that demonstrate the feasibility. The goal of the proposal is to establish that the student has a sufficient grasp of the fundamentals of the chosen dissertation topic to execute the research.

Dissertation Research and Writing

All doctoral students must complete a dissertation that consists of original research and demonstrates mature scholarship and critical judgment in addition to familiarity with tools and methods in the chosen area. The dissertation project must adhere to the dissertation proposal and cover the topic approved by the student's dissertation committee.

Dissertation Defense

Once the dissertation has been completed, a final exam (referred to as the dissertation defense) on the dissertation must be conducted. The dissertation defense cannot be scheduled until all other academic and program requirements have been fulfilled. A complete draft of the dissertation must be given to the members of the dissertation committee at least one month before the defense. However, students are highly encouraged to provide drafts earlier so that the committee members can provide feedback, which the student, in consultation with the dissertation advisor, will address in later drafts to ensure that the dissertation is defendable and each committee member is satisfied before the dissertation defense takes place.

The dissertation defense consists of two parts. The first part is a public presentation of the dissertation research. The second part of the defense immediately follows the public presentation. It is restricted to participation of the student's dissertation committee and entails an oral examination of the dissertation research. Approval of the dissertation requires positive votes from the student's dissertation advisor and from the majority of the remaining members of the dissertation committee. Notice of the defense presentation will be publicly posted at least two weeks in advance.

If the dissertation defense is not approved, the student will have the option of taking a second and final dissertation defense in the following long semester. Students who do not pass the dissertation defense the second time will be dismissed from the program.

The results of the dissertation defense must be recorded in the Dissertation Defense Report Form and submitted to The Graduate College before the Dean of The Graduate College can give final approval of the dissertation. This form can be downloaded from The Graduate College's website. The student must submit his/her dissertation to The Graduate College for final approval. The guidelines for submission and approval of the dissertation can be obtained from The Graduate College.

Students must pass the dissertation defense by the time 90 semester credit hours have been accrued. The Ph.D. program director will review each student annually to ascertain his/her progress towards the degree and will consult the student's dissertation advisor and dissertation committee on this matter as needed. Any student who does not pass the dissertation defense by the time 90 semester credit hours have been accrued will be dismissed from the program.

Approval and Submission of the Dissertation

A final copy of the dissertation proposal, accompanied by the signed approval forms, must be turned in to the Ph.D. program director, who will forward them to the Dean of The Graduate College for review and final approval.

Doctorate level courses in Computer Science: CS

Courses Offered

Computer Science (CS)

CS 7100. Graduate Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7199. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no-credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7299. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no-credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7300. Introduction to Research in Computer Science.
This credit/no credit course is designed to develop research and communication skills for Ph.D. students. Topics covered include research processes, research methods, ethics, conducting literature review, critiquing papers, preparing research proposals, faculty research presentations, and the software tools and platforms available for conducting applied computing research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 7308. Computer Science Studies.
This course provides foundations in computer science for students entering the doctoral program who may need certain background or leveling coursework. The course does not earn graduate degree credit. It is repeatable with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 7309. Professional Development of Doctoral Assistants.
This course is designed to equip the doctoral students with skills and an understanding of the proper procedures to be effective doctoral instructional and teaching assistants. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 7311. Data-Driven Computational Methods and Infrastructure.
This course covers computational and statistical methods for using large-scale data sets ('big data') to answer scientific and business questions. It focuses on framing research questions, understanding how data can answer them, and using modern software tools for scalable data storage, processing, and analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7312. Advanced Data Mining.
This course provides in-depth coverage of advanced data mining and information retrieval principles and techniques. It also offers extensive training and practice opportunities in frontier research directions. Prerequisite: CS 5316 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7313. Advanced Machine Learning and Pattern Recognition.
This course provides students advanced theoretical and practical skills to learn, design, implement, and apply machine learning and pattern recognition approaches. The students will gain analytical and problem-solving skills by studying machine learning and pattern recognition techniques and applying them to solve real problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7314. Bioinformatics.
This course introduces advanced algorithms for data-intensive computational analysis targeting biological applications such as drug response prediction, gene network analysis, and protein/RNA structure prediction. Main techniques include greedy search, linear regression, clustering, network analysis, expectation maximization, and Hidden Markov models, which are widely applicable beyond biological data. Prerequisite: CS 5329 or CS 5369L either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7321. Human Computer Interaction: Concepts, Models, and Methodologies.
This course provides an introduction to Human Computer Interaction (HCI) research, methods, and topics, including fundamentals of user interface and experimental design, usability, evaluation methods, software toolkits for interactive applications, graphics, visualization, mobile design, collaborative and social computing, biological factors, and human computation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7322. Human Factors and Ergonomics.
This course combines knowledge in the fields of intelligent user interfaces, human factors, ergonomics, and environmental psychology. Topics include HCI principles, human information processing, anthropometry, principles of eye tracking and their effects on human factors research, as well as operations of biometrics systems and human factors influencing those systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7323. Image Processing and Computer Vision.
Image Processing and Computer Vision are research areas with a variety of modern applications ranging from the analysis of images and videos to real-time processing of image streams coming from self-driving vehicles and robotic agents. This course will prepare students with advanced state of the art knowledge in those fields. Prerequisite: CS 5329 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7324. HCI Paradigms for Animation, Visualization, and Virtual/Augmented Reality.
This course introduces advanced methods for enhancing user experience and presents effective HCI models via computer graphics, imaging, animation, simulation, visualization, augmented reality, and immersive virtual reality. Additionally, the course presents related science and engineering foundations as well as graphic design, cognitive science, and perceptual psychology theories and models. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7331. High-Performance Computing.
This course covers the advanced design, analysis, and optimization of high-performance applications. Topics include high-performance computer architectures, including accelerators and systems-on-chip, performance modeling and benchmarking, data and control dependence analysis, data locality estimation, memory hierarchy management, techniques for exposing parallelism, and code transformations. Different workloads are studied. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7332. Advanced Parallel Computing.
This course covers advanced design of parallel algorithms, performance modeling, parallel hardware, language support for parallel programming, and programming models for shared- and distributed-memory systems ranging from handheld multicore devices to large-scale clusters and accelerators. The students will gain applied knowledge and skills by developing parallel software for multiple platforms. Prerequisite: CS 5351 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7333. Advanced Green Computing.
This course covers hardware and software techniques to improve the energy-efficiency of computing systems. Topics include best practices in building energy-efficient data centers and mobile devices, current trends in reducing the energy consumption of processors and storage components, energy-aware resource management, software optimizations, and hands-on experience on power-measurable systems. Prerequisite: CS 5351 and CS 5369Y both with grades of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7341. Cyberspace Security.
This course presents recent advances in methodologies, models, systems and applications of cyberspace security research. Topics include in-depth coverage of the state-of-the-art security technologies and research issues on information security, software security, network security, secure system design, secure programming, applied cryptography, vulnerability, and threats. Prerequisite: CS 5378 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7342. Advanced Computer Networking.
This course covers recent research ideas, methodologies and approaches in networking research. The course focuses on the development of protocols and the analysis of related algorithms. Topics include new network architectures, cloud computing, software defined networking, wireless systems, social networks, and security and privacy. Prerequisite: CS 5310 or CS 5343 either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7343. Mobile Networks and Computing.
This course provides an in-depth study of wireless mobile communication networks, wireless network measurements and modeling, channel assignments and coverage, wireless network protocols, mobile data management, wireless security, and various wireless network applications including ad hoc, sensor networks, delay-tolerant networks, and mobile social networks. Prerequisite: CS 5310 or CS 5343 either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7351. Advanced Software Engineering.
Software engineering is the application of scientific methods to software development and maintenance. This course provides an in-depth study of advanced concepts and techniques of automatic software generation and analysis. Topics include software process programming, symbolic execution, model checking, property generation and checking, and runtime verification of complex software systems. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7387. Research in Computer Science.
This course covers up-to-date research topics in computer science under the direction of a supervising professor. The course can be repeated once for additional credit with a different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7389A. Service Computing.
This course introduces concepts and principles for enabling the development of software as a service based on Service-Oriented Architecture (SOA), methodology of SOA systems development, the main technologies used in achieving SOA, and state of the art techniques and advances in emerging cloud and edge (Internet of Things) services. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7389B. Advanced Software Evolution.
This topics course provides an in-depth study of state-of-the-art software evolution techniques and tools based on the current research literature. Software evolution has become increasingly important in software development. Software systems often evolve to fix defects, to improve performance, or to adapt to various other requirements. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7389C. Real-time Systems.
This course is to study issues related to the design and analysis of systems with real-time constraints. The problem of ensuring such constraints is ultimately a scheduling problem, so much attention is devoted to such problems. This course aims to provide a solid foundation for conducting research in real-time systems or related areas. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7399. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7599. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7699. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7999. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Doctor of Philosophy (Ph.D.) Major in Computer Science (Software Systems Concentration Entering with Master's Degree)

Program Overview

The Department of Computer Science offers an applied computer science Ph.D. program that incorporates leadership, innovation, communication, and entrepreneurship to prepare students to navigate multiple career environments. The program is the first in Texas to combine the application of computer science practice and theory with entrepreneurial and commercialization skills. The curriculum integrates entrepreneurship and commercialization and is centered on two technical tracks that align with faculty research interests: Information Management and Software Systems. The Information Management track encompasses research topics in data analytics and management, human computer interaction, and informatics. The Software Systems track covers topics in computer security and networking, high-performance computing, and software engineering. In addition, the program requires students to participate in entrepreneurship boot camps, defend a business plan, design and implement a substantial piece of software, and complete business and commercialization courses.

Educational Goal

Based on the curricular areas and expectations described above, the main educational objectives of the Texas State program are to equip program graduates with:

1. technical knowledge in complementary areas of applied computing,
2. skills for conducting cutting-edge research that advances the current state-of-the-art in applied computing, and
3. leadership, innovation, communication, and entrepreneurial skills that prepare students to take on challenges in multiple career environments, including their own startup companies.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- **Transcripts & GPA for applicants with a bachelor's and master's degree**
  - baccalaureate degree in computer science or related field from a regionally accredited university

- master's degree in computer science or related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.3 GPA in all completed graduate courses

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- interview (top-ranking applicants only)
- resume/CV
- three letters of recommendation submitted directly from professionals who are qualified to assess the student's academic abilities
- written statement of research interests and goals

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 85 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Computer Science concentration in software systems requires 54 semester credit hours. Two boot camps are required. The boot camps will provide academic preparation in non-technical skills such as the development of business plans, project management, negotiation, grant writing, intellectual property, leadership, entrepreneurship, and communication.

Course Requirements

Code	Title	Hours
Required Courses		
CS 7300	Introduction to Research in Computer Science	3
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship	3
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship	3
Breadth Requirement		
Information Management		
Choose 6 hours from the following:		6
CS 7311	Data-Driven Computational Methods and Infrastructure	
CS 7312	Advanced Data Mining	
CS 7313	Advanced Machine Learning and Pattern Recognition	
CS 7314	Bioinformatics	
CS 7321	Human Computer Interaction: Concepts, Models, and Methodologies	
CS 7322	Human Factors and Ergonomics	
CS 7323	Image Processing and Computer Vision	
CS 7324	HCI Paradigms for Animation, Visualization, and Virtual/Augmented Reality	
CS 7389A	Service Computing	
Software Systems		
Choose 6 hours from the following:		6
CS 7331	High-Performance Computing	
CS 7332	Advanced Parallel Computing	
CS 7333	Advanced Green Computing	
CS 7341	Cyberspace Security	
CS 7342	Advanced Computer Networking	
CS 7343	Mobile Networks and Computing	
CS 7351	Advanced Software Engineering	
CS 7389B	Advanced Software Evolution	
Technical Depth		
Choose 9 hours from the following: [1]		9
CS 7331	High-Performance Computing	
CS 7332	Advanced Parallel Computing	
CS 7333	Advanced Green Computing	
CS 7341	Cyberspace Security	
CS 7342	Advanced Computer Networking	
CS 7343	Mobile Networks and Computing	
CS 7351	Advanced Software Engineering	
CS 7389B	Advanced Software Evolution	
Up to two graduate-level courses outside of the Computer Science department can be taken if the dissertation project requires multidisciplinary knowledge as determined by the dissertation advisor. The dissertation advisor must approve the courses.		
Dissertation		
Choose a minimum of 24 hours from the following:		24
CS 7199	Dissertation	
CS 7299	Dissertation	
CS 7399	Dissertation	
CS 7599	Dissertation	
CS 7699	Dissertation	
CS 7999	Dissertation	
Total Hours		54

1 Only courses which have not been completed in the breadth requirement may be completed in the depth requirement.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Application for Advancement to Candidacy

When all requirements for admission to candidacy have been met (completion of boot camps, completion of required coursework, passing of the qualifying and comprehensive exams, completion of the programming requirement, and submission of an approved dissertation proposal) the Ph.D. program director forwards the Application for Advancement to Candidacy to the dean of The Graduate College for review and approval. This application form is available on The Graduate College website.

Grade-Point Requirements for Advancement to Candidacy

A minimum GPA of 3.0 on all coursework undertaken in the doctoral program is required for admission to candidacy. Grades below a B on any graduate coursework cannot be applied toward the Ph.D. degree. Incomplete grades must have been cleared before approval for advancement to candidacy can be granted. No more than six semester credit hours of dissertation research can be taken before advancing to candidacy.

Advancement to Candidacy Time Limit

No credit will be applied toward a student's doctoral degree for coursework completed more than five years before the date on which the student is admitted to candidacy. This time limit applies to course credit earned at Texas State as well as course credit transferred to Texas State from other institutions.

Dissertation Proposal

The proposal must outline the substance and scope of the planned dissertation research and explain its merits. It has to include at least an introduction, methodology to be used, a survey of the relevant literature, and preliminary results that demonstrate the feasibility. The goal of the proposal is to establish that the student has a sufficient grasp of the fundamentals of the chosen dissertation topic to execute the research.

Comprehensive Examination

The comprehensive examination consists of a written and an oral component. The qualifying exam serves as the written component. The oral component is administered by the dissertation committee, typically right after the dissertation proposal. Completion of both the business plan and a grant proposal are required for advancing to candidacy and is part of the comprehensive examination.

Dissertation Enrollment Requirements

After being admitted to candidacy, students must be continuously enrolled for dissertation hours each fall and spring semester until the defense of their dissertation. At least 18 semester credit hours of dissertation research must be taken after having advanced to candidacy. If a student is receiving supervision on the dissertation during the summer or if the student is graduating in the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours (e.g., CS 7199) during the semester in which the degree is to be conferred, even if they have already satisfied the minimum dissertation hours.

Dissertation Time Limit

Each Ph.D. student must prepare a written dissertation proposal and defend it orally. This should be done by the time the student has completed 36 semester credit hours and after identifying the dissertation committee, passing the qualifying exam, fulfilling the programming requirement, and completing all required courses and boot camps. Any student who does not defend his/her dissertation proposal by the time 45 semester credit hours have been accrued will be dismissed from the program. After advancing to candidacy a student should complete their dissertation within five years, keeping in mind the ten year total time limit.

If the proposal defense is not passed, the student will have the option of taking a second and final defense in the following long semester. Students will be dismissed from the program if they do not pass the proposal defense the second time.

Dissertation Committee

The student, in consultation with his/her dissertation advisor, must establish a dissertation committee that consists of the dissertation advisor, two other doctoral faculty members from the Department, and one faculty member with at least adjunct doctoral faculty status either from another department within the university or from another institution who would be selected based on the relevancy of their research to the student's dissertation. The dissertation advisor serves as the chair of the committee.

Committee Changes

Any change to the dissertation committee must be submitted using the Dissertation Advisor/Committee Member Change Request Form for approval by the Dean of The Graduate College. Changes must be submitted no later than sixty days before the dissertation defense. The "Dissertation Advisor/Committee Member Change Request form" may be downloaded from The Graduate College's website.

Dissertation Proposal

The proposal must outline the substance and scope of the planned dissertation research and explain its merits. It has to include at least an introduction, methodology to be used, a survey of the relevant literature, and preliminary results that demonstrate the feasibility. The goal of the proposal is to establish that the student has a sufficient grasp of the fundamentals of the chosen dissertation topic to execute the research.

Dissertation Research and Writing

All doctoral students must complete a dissertation that consists of original research and demonstrates mature scholarship and critical judgment in addition to familiarity with tools and methods in the chosen area. The dissertation project must adhere to the dissertation proposal and cover the topic approved by the student's dissertation committee.

Dissertation Defense

Once the dissertation has been completed, a final exam (referred to as the dissertation defense) on the dissertation must be conducted. The dissertation defense cannot be scheduled until all other academic and program requirements have been fulfilled. A complete draft of the dissertation must be given to the members of the dissertation committee at least one month before the defense. However, students are highly encouraged to provide drafts earlier so that the committee members can provide feedback, which the student, in consultation with the dissertation advisor, will address in later drafts to ensure that the dissertation is defendable and each committee member is satisfied before the dissertation defense takes place.

The dissertation defense consists of two parts. The first part is a public presentation of the dissertation research. The second part of the defense immediately follows the public presentation. It is restricted to participation of the student's dissertation committee and entails an oral examination of the dissertation research. Approval of the dissertation requires positive votes from the student's dissertation advisor and from the majority of the remaining members of the dissertation committee. Notice of the defense presentation will be publicly posted at least two weeks in advance.

If the dissertation defense is not approved, the student will have the option of taking a second and final dissertation defense in the following long semester. Students who do not pass the dissertation defense the second time will be dismissed from the program.

The results of the dissertation defense must be recorded in the Dissertation Defense Report Form and submitted to The Graduate College before the Dean of The Graduate College can give final approval of the dissertation. This form can be downloaded from The Graduate College's website. The student must submit his/her dissertation to The Graduate College for final approval. The guidelines for submission and approval of the dissertation can be obtained from The Graduate College.

Students must pass the dissertation defense by the time 90 semester credit hours have been accrued. The Ph.D. program director will review each student annually to ascertain his/her progress towards the degree and will consult the student's dissertation advisor and dissertation committee on this matter as needed. Any student who does not pass the dissertation defense by the time 90 semester credit hours have been accrued will be dismissed from the program.

Approval and Submission of the Dissertation

A final copy of the dissertation proposal, accompanied by the signed approval forms, must be turned in to the Ph.D. program director, who will forward them to the Dean of The Graduate College for review and final approval.

Doctorate level courses in Computer Science: CS

Courses Offered

Computer Science (CS)

CS 7100. Graduate Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7199. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no-credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7299. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no-credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7300. Introduction to Research in Computer Science.
This credit/no credit course is designed to develop research and communication skills for Ph.D. students. Topics covered include research processes, research methods, ethics, conducting literature review, critiquing papers, preparing research proposals, faculty research presentations, and the software tools and platforms available for conducting applied computing research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 7308. Computer Science Studies.
This course provides foundations in computer science for students entering the doctoral program who may need certain background or leveling coursework. The course does not earn graduate degree credit. It is repeatable with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 7309. Professional Development of Doctoral Assistants.
This course is designed to equip the doctoral students with skills and an understanding of the proper procedures to be effective doctoral instructional and teaching assistants. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 7311. Data-Driven Computational Methods and Infrastructure.
This course covers computational and statistical methods for using large-scale data sets ('big data') to answer scientific and business questions. It focuses on framing research questions, understanding how data can answer them, and using modern software tools for scalable data storage, processing, and analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7312. Advanced Data Mining.
This course provides in-depth coverage of advanced data mining and information retrieval principles and techniques. It also offers extensive training and practice opportunities in frontier research directions. Prerequisite: CS 5316 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7313. Advanced Machine Learning and Pattern Recognition.
This course provides students advanced theoretical and practical skills to learn, design, implement, and apply machine learning and pattern recognition approaches. The students will gain analytical and problem-solving skills by studying machine learning and pattern recognition techniques and applying them to solve real problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7314. Bioinformatics.
This course introduces advanced algorithms for data-intensive computational analysis targeting biological applications such as drug response prediction, gene network analysis, and protein/RNA structure prediction. Main techniques include greedy search, linear regression, clustering, network analysis, expectation maximization, and Hidden Markov models, which are widely applicable beyond biological data. Prerequisite: CS 5329 or CS 5369L either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7321. Human Computer Interaction: Concepts, Models, and Methodologies.
This course provides an introduction to Human Computer Interaction (HCI) research, methods, and topics, including fundamentals of user interface and experimental design, usability, evaluation methods, software toolkits for interactive applications, graphics, visualization, mobile design, collaborative and social computing, biological factors, and human computation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7322. Human Factors and Ergonomics.
This course combines knowledge in the fields of intelligent user interfaces, human factors, ergonomics, and environmental psychology. Topics include HCI principles, human information processing, anthropometry, principles of eye tracking and their effects on human factors research, as well as operations of biometrics systems and human factors influencing those systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7323. Image Processing and Computer Vision.
Image Processing and Computer Vision are research areas with a variety of modern applications ranging from the analysis of images and videos to real-time processing of image streams coming from self-driving vehicles and robotic agents. This course will prepare students with advanced state of the art knowledge in those fields. Prerequisite: CS 5329 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7324. HCI Paradigms for Animation, Visualization, and Virtual/Augmented Reality.
This course introduces advanced methods for enhancing user experience and presents effective HCI models via computer graphics, imaging, animation, simulation, visualization, augmented reality, and immersive virtual reality. Additionally, the course presents related science and engineering foundations as well as graphic design, cognitive science, and perceptual psychology theories and models. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7331. High-Performance Computing.
This course covers the advanced design, analysis, and optimization of high-performance applications. Topics include high-performance computer architectures, including accelerators and systems-on-chip, performance modeling and benchmarking, data and control dependence analysis, data locality estimation, memory hierarchy management, techniques for exposing parallelism, and code transformations. Different workloads are studied. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7332. Advanced Parallel Computing.
This course covers advanced design of parallel algorithms, performance modeling, parallel hardware, language support for parallel programming, and programming models for shared- and distributed-memory systems ranging from handheld multicore devices to large-scale clusters and accelerators. The students will gain applied knowledge and skills by developing parallel software for multiple platforms. Prerequisite: CS 5351 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7333. Advanced Green Computing.
This course covers hardware and software techniques to improve the energy-efficiency of computing systems. Topics include best practices in building energy-efficient data centers and mobile devices, current trends in reducing the energy consumption of processors and storage components, energy-aware resource management, software optimizations, and hands-on experience on power-measurable systems. Prerequisite: CS 5351 and CS 5369Y both with grades of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7341. Cyberspace Security.
This course presents recent advances in methodologies, models, systems and applications of cyberspace security research. Topics include in-depth coverage of the state-of-the-art security technologies and research issues on information security, software security, network security, secure system design, secure programming, applied cryptography, vulnerability, and threats. Prerequisite: CS 5378 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7342. Advanced Computer Networking.
This course covers recent research ideas, methodologies and approaches in networking research. The course focuses on the development of protocols and the analysis of related algorithms. Topics include new network architectures, cloud computing, software defined networking, wireless systems, social networks, and security and privacy. Prerequisite: CS 5310 or CS 5343 either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7343. Mobile Networks and Computing.
This course provides an in-depth study of wireless mobile communication networks, wireless network measurements and modeling, channel assignments and coverage, wireless network protocols, mobile data management, wireless security, and various wireless network applications including ad hoc, sensor networks, delay-tolerant networks, and mobile social networks. Prerequisite: CS 5310 or CS 5343 either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7351. Advanced Software Engineering.
Software engineering is the application of scientific methods to software development and maintenance. This course provides an in-depth study of advanced concepts and techniques of automatic software generation and analysis. Topics include software process programming, symbolic execution, model checking, property generation and checking, and runtime verification of complex software systems. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7387. Research in Computer Science.
This course covers up-to-date research topics in computer science under the direction of a supervising professor. The course can be repeated once for additional credit with a different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7389A. Service Computing.
This course introduces concepts and principles for enabling the development of software as a service based on Service-Oriented Architecture (SOA), methodology of SOA systems development, the main technologies used in achieving SOA, and state of the art techniques and advances in emerging cloud and edge (Internet of Things) services. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7389B. Advanced Software Evolution.
This topics course provides an in-depth study of state-of-the-art software evolution techniques and tools based on the current research literature. Software evolution has become increasingly important in software development. Software systems often evolve to fix defects, to improve performance, or to adapt to various other requirements. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7389C. Real-time Systems.
This course is to study issues related to the design and analysis of systems with real-time constraints. The problem of ensuring such constraints is ultimately a scheduling problem, so much attention is devoted to such problems. This course aims to provide a solid foundation for conducting research in real-time systems or related areas. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7399. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7599. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7699. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7999. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Doctor of Philosophy (Ph.D.) Major in Computer Science (Software Systems Concentration Entering with Bachelor's Degree)

Program Overview

The Department of Computer Science offers an applied computer science Ph.D. program that incorporates leadership, innovation, communication, and entrepreneurship to prepare students to navigate multiple career environments. The program is the first in Texas to combine the application of computer science practice and theory with entrepreneurial and commercialization skills. The curriculum integrates entrepreneurship and commercialization and is centered on two technical tracks that align with faculty research interests: Information Management and Software Systems. The Information Management track encompasses research topics in data analytics and management, human computer interaction, and informatics. The Software Systems track covers topics in computer security and networking, high-performance computing, and software engineering. In addition, the program requires students to participate in entrepreneurship boot camps, defend a business plan, design and implement a substantial piece of software, and complete business and commercialization courses.

Educational Goal

Based on the curricular areas and expectations described above, the main educational objectives of the Texas State program are to equip program graduates with:

1. technical knowledge in complementary areas of applied computing,
2. skills for conducting cutting-edge research that advances the current state-of-the-art in applied computing, and
3. leadership, innovation, communication, and entrepreneurial skills that prepare students to take on challenges in multiple career environments, including their own startup companies.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- **Transcripts & GPA for applicants with a bachelor's degree only**
  - baccalaureate degree in computer science or related field from a regionally accredited university
  - official transcripts from **each institution** where course credit was granted
  - minimum 3.0 GPA in the last 60 hours of undergraduate courses (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- interview (top-ranking applicants only)
- resume/CV
- three letters of recommendation submitted directly from professionals who are qualified to assess the student's academic abilities
- written statement of research interests and goals

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 85 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Computer Science concentration in software systems requires 78 semester credit hours, up to 24 hours of which can be from 5000 level master's Computer Science courses (the selection of courses in this category should be made in consultation with the student's Ph.D. advisor and the program director). Two boot camps are required. The boot camps will provide academic preparation in non-technical skills such as the development of business plans, project management, negotiation, grant writing, intellectual property, leadership, entrepreneurship, and communication.

Course Requirements

Code	Title	Hours
Required Courses		
CS 7300	Introduction to Research in Computer Science	3
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship	3
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship	3
Breadth Requirement		
Information Management		
Choose 6 hours from the following:		6
CS 7311	Data-Driven Computational Methods and Infrastructure	
CS 7312	Advanced Data Mining	
CS 7313	Advanced Machine Learning and Pattern Recognition	
CS 7314	Bioinformatics	
CS 7321	Human Computer Interaction: Concepts, Models, and Methodologies	
CS 7322	Human Factors and Ergonomics	
CS 7323	Image Processing and Computer Vision	
CS 7324	HCI Paradigms for Animation, Visualization, and Virtual/Augmented Reality	
CS 7389A	Service Computing	

Software Systems		
Choose 6 hours from the following:		6
CS 7331	High-Performance Computing	
CS 7332	Advanced Parallel Computing	
CS 7333	Advanced Green Computing	
CS 7341	Cyberspace Security	
CS 7342	Advanced Computer Networking	
CS 7343	Mobile Networks and Computing	
CS 7351	Advanced Software Engineering	
CS 7389B	Advanced Software Evolution	
Technical Depth		
Choose 9 hours from the following: [1]		9
CS 7331	High-Performance Computing	
CS 7332	Advanced Parallel Computing	
CS 7333	Advanced Green Computing	
CS 7341	Cyberspace Security	
CS 7342	Advanced Computer Networking	
CS 7343	Mobile Networks and Computing	
CS 7351	Advanced Software Engineering	
CS 7387	Research in Computer Science	
CS 7389B	Advanced Software Evolution	
Up to two graduate-level courses outside of the Computer Science department can be taken if the dissertation project requires multidisciplinary knowledge as determined by the dissertation advisor. The dissertation advisor must approve the courses.		
Prescribed Electives		
Choose 24 hours from the following 7000 and 5000 level courses: [2]		24
CS 7311	Data-Driven Computational Methods and Infrastructure	
CS 7312	Advanced Data Mining	
CS 7313	Advanced Machine Learning and Pattern Recognition	
CS 7314	Bioinformatics	
CS 7321	Human Computer Interaction: Concepts, Models, and Methodologies	
CS 7322	Human Factors and Ergonomics	
CS 7323	Image Processing and Computer Vision	
CS 7324	HCI Paradigms for Animation, Visualization, and Virtual/Augmented Reality	
CS 7389A	Service Computing	
CS 7331	High-Performance Computing	
CS 7332	Advanced Parallel Computing	
CS 7333	Advanced Green Computing	
CS 7341	Cyberspace Security	
CS 7342	Advanced Computer Networking	
CS 7343	Mobile Networks and Computing	
CS 7351	Advanced Software Engineering	
CS 7387	Research in Computer Science	
CS 7389B	Advanced Software Evolution	
CS 5329	Algorithm Design and Analysis	
CS 5346	Advanced Artificial Intelligence	
CS 5391	Survey of Software Engineering	
CS 5306	Advanced Operating Systems	
CS 5310	Network and Communication Systems	
CS 5332	Data Base Theory and Design	
CS 5318	Design of Programming Languages	
CS 5338	Formal Languages	
CS 5351	Parallel Processing	
CS 5392	Formal Methods in Software Engineering	
CS 5393	Software Quality	
CS 5396	Advanced Software Engineering Processes and Methods	
Dissertation		
Choose a minimum of 24 hours from the following:		24
CS 7199	Dissertation	
CS 7299	Dissertation	
CS 7399	Dissertation	
CS 7599	Dissertation	
CS 7699	Dissertation	
CS 7999	Dissertation	
Total Hours		78

1 Only courses which have not been completed in the breadth requirement may be completed in the depth requirement.

2 Courses that are already used to satisfy the breadth and technical depth cannot be used for other elective requirements.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Application for Advancement to Candidacy

When all requirements for admission to candidacy have been met (completion of boot camps, completion of required coursework, passing of the qualifying and comprehensive exams, completion of the programming requirement, and submission of an approved dissertation proposal) the Ph.D. program director forwards the Application for Advancement to Candidacy to the dean of The Graduate College for review and approval. This application form is available on The Graduate College website.

Grade-Point Requirements for Advancement to Candidacy

A minimum GPA of 3.0 on all coursework undertaken in the doctoral program is required for admission to candidacy. Grades below a B on any graduate coursework cannot be applied toward the Ph.D. degree. Incomplete grades must have been cleared before approval for advancement to candidacy can be granted. No more than six semester credit hours of dissertation research can be taken before advancing to candidacy.

Advancement to Candidacy Time Limit

No credit will be applied toward a student's doctoral degree for coursework completed more than five years before the date on which the student is admitted to candidacy. This time limit applies to course credit earned at Texas State as well as course credit transferred to Texas State from other institutions.

Dissertation Proposal

The proposal must outline the substance and scope of the planned dissertation research and explain its merits. It has to include at least an introduction, methodology to be used, a survey of the relevant literature, and preliminary results that demonstrate the feasibility. The goal of the proposal is to establish that the student has a sufficient grasp of the fundamentals of the chosen dissertation topic to execute the research.

Comprehensive Examination

The comprehensive examination consists of a written and an oral component. The qualifying exam serves as the written component. The oral component is administered by the dissertation committee, typically right after the dissertation proposal. Completion of both the business plan and a grant proposal are required for advancing to candidacy and is part of the comprehensive examination.

Dissertation Enrollment Requirements

After being admitted to candidacy, students must be continuously enrolled for dissertation hours each fall and spring semester until the defense of their dissertation. At least 18 semester credit hours of dissertation research must be taken after having advanced to candidacy. If a student is receiving supervision on the dissertation during the summer or if the student is graduating in the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours (e.g., CS 7199) during the semester in which the degree is to be conferred, even if they have already satisfied the minimum dissertation hours.

Dissertation Time Limit

Each Ph.D. student must prepare a written dissertation proposal and defend it orally. This should be done by the time the student has completed 36 semester credit hours and after identifying the dissertation committee, passing the qualifying exam, fulfilling the programming requirement, and completing all required courses and boot camps. Any student who does not defend his/her dissertation proposal by the time 45 semester credit hours have been accrued will be dismissed from the program. After advancing to candidacy a student should complete their dissertation within five years, keeping in mind the ten year total time limit.

If the proposal defense is not passed, the student will have the option of taking a second and final defense in the following long semester. Students will be dismissed from the program if they do not pass the proposal defense the second time.

Dissertation Committee

The student, in consultation with his/her dissertation advisor, must establish a dissertation committee that consists of the dissertation advisor, two other doctoral faculty members from the Department, and one faculty member with at least adjunct doctoral faculty status either from another department within the university or from another institution who would be selected based on the relevancy of their research to the student's dissertation. The dissertation advisor serves as the chair of the committee.

Committee Changes

Any change to the dissertation committee must be submitted using the Dissertation Advisor/Committee Member Change Request Form for approval by the Dean of The Graduate College. Changes must be submitted no later than sixty days before the dissertation defense. The "Dissertation Advisor/Committee Member Change Request form" may be downloaded from The Graduate College's website.

Dissertation Proposal

The proposal must outline the substance and scope of the planned dissertation research and explain its merits. It has to include at least an introduction, methodology to be used, a survey of the relevant literature, and preliminary results that demonstrate the feasibility. The goal of the proposal is to establish that the student has a sufficient grasp of the fundamentals of the chosen dissertation topic to execute the research.

Dissertation Research and Writing

All doctoral students must complete a dissertation that consists of original research and demonstrates mature scholarship and critical judgment in addition to familiarity with tools and methods in the chosen area. The dissertation project must adhere to the dissertation proposal and cover the topic approved by the student's dissertation committee.

Dissertation Defense

Once the dissertation has been completed, a final exam (referred to as the dissertation defense) on the dissertation must be conducted. The dissertation defense cannot be scheduled until all other academic and program requirements have been fulfilled. A complete draft of the dissertation must be given to the members of the dissertation committee at least one month before the defense. However, students are highly encouraged to provide drafts earlier so that the committee members can provide feedback, which the student, in consultation with the dissertation advisor, will address in later drafts to ensure that the dissertation is defendable and each committee member is satisfied before the dissertation defense takes place.

The dissertation defense consists of two parts. The first part is a public presentation of the dissertation research. The second part of the defense immediately follows the public presentation. It is restricted to participation of the student's dissertation committee and entails an oral examination of the dissertation research. Approval of the dissertation requires positive votes from the student's dissertation advisor and from the majority of the remaining members of the dissertation committee. Notice of the defense presentation will be publicly posted at least two weeks in advance.

If the dissertation defense is not approved, the student will have the option of taking a second and final dissertation defense in the following long semester. Students who do not pass the dissertation defense the second time will be dismissed from the program.

The results of the dissertation defense must be recorded in the Dissertation Defense Report Form and submitted to The Graduate College before the Dean of The Graduate College can give final approval of the dissertation. This form can be downloaded from The Graduate College's website. The student must submit his/her dissertation to The Graduate College for final approval. The guidelines for submission and approval of the dissertation can be obtained from The Graduate College.

Students must pass the dissertation defense by the time 90 semester credit hours have been accrued. The Ph.D. program director will review each student annually to ascertain his/her progress towards the degree and will consult the student's dissertation advisor and dissertation committee on this matter as needed. Any student who does not pass the dissertation defense by the time 90 semester credit hours have been accrued will be dismissed from the program.

Approval and Submission of the Dissertation

A final copy of the dissertation proposal, accompanied by the signed approval forms, must be turned in to the Ph.D. program director, who will

forward them to the Dean of The Graduate College for review and final approval.

Doctorate level courses in Computer Science: CS

Courses Offered

Computer Science (CS)

CS 7100. Graduate Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7199. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no-credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7299. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no-credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7300. Introduction to Research in Computer Science.
This credit/no credit course is designed to develop research and communication skills for Ph.D. students. Topics covered include research processes, research methods, ethics, conducting literature review, critiquing papers, preparing research proposals, faculty research presentations, and the software tools and platforms available for conducting applied computing research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 7308. Computer Science Studies.
This course provides foundations in computer science for students entering the doctoral program who may need certain background or leveling coursework. The course does not earn graduate degree credit. It is repeatable with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 7309. Professional Development of Doctoral Assistants.
This course is designed to equip the doctoral students with skills and an understanding of the proper procedures to be effective doctoral instructional and teaching assistants. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 7311. Data-Driven Computational Methods and Infrastructure.
This course covers computational and statistical methods for using large-scale data sets ('big data') to answer scientific and business questions. It focuses on framing research questions, understanding how data can answer them, and using modern software tools for scalable data storage, processing, and analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7312. Advanced Data Mining.
This course provides in-depth coverage of advanced data mining and information retrieval principles and techniques. It also offers extensive training and practice opportunities in frontier research directions. Prerequisite: CS 5316 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7313. Advanced Machine Learning and Pattern Recognition.
This course provides students advanced theoretical and practical skills to learn, design, implement, and apply machine learning and pattern recognition approaches. The students will gain analytical and problem-solving skills by studying machine learning and pattern recognition techniques and applying them to solve real problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7314. Bioinformatics.
This course introduces advanced algorithms for data-intensive computational analysis targeting biological applications such as drug response prediction, gene network analysis, and protein/RNA structure prediction. Main techniques include greedy search, linear regression, clustering, network analysis, expectation maximization, and Hidden Markov models, which are widely applicable beyond biological data. Prerequisite: CS 5329 or CS 5369L either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7321. Human Computer Interaction: Concepts, Models, and Methodologies.
This course provides an introduction to Human Computer Interaction (HCI) research, methods, and topics, including fundamentals of user interface and experimental design, usability, evaluation methods, software toolkits for interactive applications, graphics, visualization, mobile design, collaborative and social computing, biological factors, and human computation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7322. Human Factors and Ergonomics.
This course combines knowledge in the fields of intelligent user interfaces, human factors, ergonomics, and environmental psychology. Topics include HCI principles, human information processing, anthropometry, principles of eye tracking and their effects on human factors research, as well as operations of biometrics systems and human factors influencing those systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7323. Image Processing and Computer Vision.
Image Processing and Computer Vision are research areas with a variety of modern applications ranging from the analysis of images and videos to real-time processing of image streams coming from self-driving vehicles and robotic agents. This course will prepare students with advanced state of the art knowledge in those fields. Prerequisite: CS 5329 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7324. HCI Paradigms for Animation, Visualization, and Virtual/Augmented Reality.
This course introduces advanced methods for enhancing user experience and presents effective HCI models via computer graphics, imaging, animation, simulation, visualization, augmented reality, and immersive virtual reality. Additionally, the course presents related science and engineering foundations as well as graphic design, cognitive science, and perceptual psychology theories and models. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7331. High-Performance Computing.
This course covers the advanced design, analysis, and optimization of high-performance applications. Topics include high-performance computer architectures, including accelerators and systems-on-chip, performance modeling and benchmarking, data and control dependence analysis, data locality estimation, memory hierarchy management, techniques for exposing parallelism, and code transformations. Different workloads are studied. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7332. Advanced Parallel Computing.
This course covers advanced design of parallel algorithms, performance modeling, parallel hardware, language support for parallel programming, and programming models for shared- and distributed-memory systems ranging from handheld multicore devices to large-scale clusters and accelerators. The students will gain applied knowledge and skills by developing parallel software for multiple platforms. Prerequisite: CS 5351 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7333. Advanced Green Computing.
This course covers hardware and software techniques to improve the energy-efficiency of computing systems. Topics include best practices in building energy-efficient data centers and mobile devices, current trends in reducing the energy consumption of processors and storage components, energy-aware resource management, software optimizations, and hands-on experience on power-measurable systems. Prerequisite: CS 5351 and CS 5369Y both with grades of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7341. Cyberspace Security.
This course presents recent advances in methodologies, models, systems and applications of cyberspace security research. Topics include in-depth coverage of the state-of-the-art security technologies and research issues on information security, software security, network security, secure system design, secure programming, applied cryptography, vulnerability, and threats. Prerequisite: CS 5378 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7342. Advanced Computer Networking.
This course covers recent research ideas, methodologies and approaches in networking research. The course focuses on the development of protocols and the analysis of related algorithms. Topics include new network architectures, cloud computing, software defined networking, wireless systems, social networks, and security and privacy. Prerequisite: CS 5310 or CS 5343 either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7343. Mobile Networks and Computing.
This course provides an in-depth study of wireless mobile communication networks, wireless network measurements and modeling, channel assignments and coverage, wireless network protocols, mobile data management, wireless security, and various wireless network applications including ad hoc, sensor networks, delay-tolerant networks, and mobile social networks. Prerequisite: CS 5310 or CS 5343 either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7351. Advanced Software Engineering.
Software engineering is the application of scientific methods to software development and maintenance. This course provides an in-depth study of advanced concepts and techniques of automatic software generation and analysis. Topics include software process programming, symbolic execution, model checking, property generation and checking, and runtime verification of complex software systems. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7387. Research in Computer Science.
This course covers up-to-date research topics in computer science under the direction of a supervising professor. The course can be repeated once for additional credit with a different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7389A. Service Computing.
This course introduces concepts and principles for enabling the development of software as a service based on Service-Oriented Architecture (SOA), methodology of SOA systems development, the main technologies used in achieving SOA, and state of the art techniques and advances in emerging cloud and edge (Internet of Things) services. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7389B. Advanced Software Evolution.
This topics course provides an in-depth study of state-of-the-art software evolution techniques and tools based on the current research literature. Software evolution has become increasingly important in software development. Software systems often evolve to fix defects, to improve performance, or to adapt to various other requirements. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7389C. Real-time Systems.
This course is to study issues related to the design and analysis of systems with real-time constraints. The problem of ensuring such constraints is ultimately a scheduling problem, so much attention is devoted to such problems. This course aims to provide a solid foundation for conducting research in real-time systems or related areas. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7399. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7599. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7699. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7999. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Computer Science (Non-thesis Option)

Major Program

The Master of Arts (M.A.) degree with a major in Computer Science is designed to prepare students for doctoral research, college teaching, careers in computer science and software engineering, and careers in digital forensics.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- resume/CV
- statement of purpose
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

***Additional Information**

Students admitted to the program will participate in a diagnostic interview with the graduate advisor. This interview will include a review of test scores, grades, and work history. In some cases, additional courses may be added to the degree program.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Computer Science requires 36 semester credit hours.

Background

Students are required to fulfill background course work if they do not have adequate undergraduate computer science background. The background requirements may be reduced if evidence is presented which shows that the applicant has taken equivalent courses elsewhere prior to enrollment at Texas State. Background work must be completed before enrolling in graduate courses.

The minimum undergraduate background requirements for computer science and software engineering majors are:

Code	Title	Hours
Computer Science [1]		
CS 1428	Foundations of Computer Science I	4
CS 2308	Foundations of Computer Science II	3
CS 2318	Assembly Language	3
CS 3339	Computer Architecture	3
CS 3358	Data Structures	3
CS 4318	Compiler Construction	3
or CS 4328	Operating Systems	
Advanced computer science electives (CS 3000-4000 level)		6
Mathematics [2]		
MATH 5358	Applied Discrete Mathematics (or equivalent)	3
Calculus		8

1 These courses must be completed with no grade less than "C" and no more than two "Cs."

2 These courses must be completed with no grade less than “C.”

Course Requirements

Code	Title	Hours
Required Courses		
CS 5329	Algorithm Design and Analysis	3
CS 5346	Advanced Artificial Intelligence	3
CS 5391	Survey of Software Engineering	3
CS 5306	Advanced Operating Systems	3
or CS 5310	Network and Communication Systems	
or CS 5332	Data Base Theory and Design	
CS 5318	Design of Programming Languages	3
or CS 5338	Formal Languages	
Electives		
Choose 12 hours of advisor-approved electives		12
Minor		
Choose a 9-hour advisor-approved minor		9
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Computer Science: CS

Courses Offered

Computer Science (CS)

CS 5100. Advanced Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department. Course cannot be counted toward any graduate degree, is open only to majors in the Department of Computer Science. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5300. Professional Development of Graduate Assistants.
This course is designed to develop and enhance the professional and technical skills of graduate teaching and instructional assistants. Topics covered may include, but are not limited to, teaching skills, technical skills, ethical and legal issues, and laboratory management. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5301. Programming Practicum.
Intensive review of programming through data structures. Includes syntax, semantics, problem solving, algorithm development, and in-class exercises. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 5302. Foundations of Data Structures and Algorithm Design.
This course serves as a foundation course for computer science master's degree students who need reinforcement of fundamental concepts covered by CS 3358. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5303. Foundations of Computer Architecture.
This foundation course for CS master's degree students who need CS 3339 concept reinforcement covers fundamental hardware components. Topics include ALUs, single and multiple cycle datapath and control, RISC vs. CISC, pipelining, caches, I/O, virtual memory, and related performance issues. It may be repeated once and is non-graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5305. Foundations of Operating Systems.
This foundation course is for CS master's students who need CS 4328 fundamental concept reinforcement. It covers the principles of operating systems, algorithms for CPU scheduling, memory management, cooperating sequential processes and device management. It may be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5306. Advanced Operating Systems.
A study of modern operating systems including network, distributed, or real-time systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5310. Network and Communication Systems.
A study of network and communication systems. Verification and/or implementation of protocols will be required. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5316. Data Mining.
This course covers fundamental concepts and techniques plus recent developments in data mining and information retrieval. It provides relevant research training and practice opportunities. May not be taken for credit if student received credit for CS 4315. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5318. Principles of Programming Languages.
This course focuses on the principles of programming languages. Topics covered include programming paradigms, concepts of programming languages, formal syntax and semantics, and language implementation issues. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5326. Advanced Studies in Human Factors of Computer Science.
Professional level presentation of techniques and research findings related to human-computer interactions. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5329. Algorithm Design and Analysis.
Introduction to algorithm design and analysis, computational complexity, NP – completeness theory. Prerequisites: CS 3358 and MATH 2472 and [MATH 3398 or MATH 5358] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5331. Crafting Compilers.
Overview of the internal structure of modern compilers. Research on compilation techniques. Topics include lexical scanning, parsing techniques, static type checking, code generation, dataflow analysis, storage management, and execution environments. Prerequisite: CS 3358 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5332. Data Base Theory and Design.
Computer system organization for the management of data; data models, data model theory, optimization and normalization; integrity constraints; query languages; intelligent database systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5334. Advanced Internet Information Processing.
Integration of popular scripting languages (Perl, JavaScript, PHP, and other CGI capable languages) and database programming languages (embedded database programming languages, JavaServlets, and PHP) to provide advanced information processing for Internet applications that demand both database support and sophisticated, application specific information processing. Prerequisite: CS 4332 or CS 5332 either with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5335. Research in Object-Oriented System Development.
The course covers the object-oriented methodologies for system analysis, design, implementation, testing, and other aspects of system development. Emphasis will be on using OO methodologies to manage the complexity of complicated software. Other topics like modeling, OODB, and OO languages will also be covered. Prerequisites: CS 3358 and [CS 4332 or CS 5332] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5338. Formal Languages.
Advanced topics in automata theory, grammars, Turing machines, decidability, and algorithmic complexity. Prerequisites: CS 3358 and MATH 3398 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5341. Advanced Network Programming.
Study of advanced concepts and programming skills in computer networks such as advanced TCP/IP, API, multicasting and broadcasting, reliable communications, advanced I/O functions and options. Prerequisite: CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5343. Wireless Communications and Networks.
Study of the fundamental aspects of wireless communications and ireless/mobile networks, introduction of wireless/mobile networking APIs. Prerequisites: CS 3358 with a grade of "B" or better and CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5346. Advanced Artificial Intelligence.
Knowledge representation; knowledge engineering; parallel and distributed AI; heuristic searches; machine learning and intelligent databases; implementation of systems in high-level AI languages. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5351. Parallel Processing.
Introduction to the design and analysis of parallel algorithms, parallel architectures, and computers. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5352. Distributed Computing.
Study of advanced topics in distributed systems: concurrency control and failure recovery, management of replicated data, distributed consensus and fault tolerance, remote procedure calls, naming and security. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5369B. Computer Vision.
This course covers the basic and recent topics in computer vision. Topics include classic computer vision features, object tracking and recognition, detection and segmentation, camera models, and image and video retrieval. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369G. Web Service Engineering.
Advanced concepts and techniques for enabling Web application integration and interaction using Semantic Web and Web services. Concepts and techniques include service discovery ontology (RDF, DAML-S), XML-based interactions standards (ebXML, RossettaNet) and Web Services (WSDL, SOAP, UDDI, BPEL). Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369J. Advanced Human Computer Interaction.
This course will cover state of the art human computer interaction topics such as perceptual compression, eye-gaze, and brain computer interfaces with emphasis on the human visual system, eye-tracking, and electroencephalography. Prerequisite: CS 3358 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369L. Machine Learning and Applications.
Provides broad introduction to machine learning, including learning theory, and recent topics like support vector machines and feature selection. Covers basic ideas, intuition, and understanding behind modern machine learning methods. Discusses applications like face recognition, text recognition, biometrics, bioinformatics, and multimedia retrieval. Prerequisite: CS 3358 grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369M. Software Evolution and Maintenance.
Software evolution and maintenance is one of the most important and complex activities in software engineering. Programmers rarely build software from scratch but often modify existing software to fix defects or add new features. This course studies the fundamentals of cutting-edge techniques and tools for software evolution and maintenance. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Q. Recommender Systems.
This course covers various concepts of recommender systems, including personalization algorithms, evaluation tools, and user experiences. Discussion of how recommender systems are deployed in business applications, design of new recommender experiences, and how to conduct and evaluate research in recommender systems. Cannot take for credit if already took CS 4379Q. Prerequisite: CS 3358 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Y. Green Computing.
Reducing mobile device, cloud computing platform, and supercomputer energy consumption is a paramount, daunting problem. This course covers state-of-the-art green computing research, including energy-efficient hardware and software design, power-aware resource management and storage solutions, green data centers and mobile computing. Cannot be taken for credit if received CS 4379Y credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5375. Multimedia Computing.
A study of the digital representation and processing of major multimedia data types: image, audio, and video. Compression techniques for the three data types, standards, and storage media. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5376. Enterprise Application Integration.
Introduction to the integration of all services available on the Web. It emphasizes component-based integration frameworks based on J2EE specification (EJB, Servlets, JMS), inter-organization workflow integration frameworks, and XML framework. Students must have knowledge of object-oriented design, object-oriented programming language, databases, and networking. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5378. Advanced Computer Security.
This course covers various aspects of producing secure computer information systems that provide guaranteed controlled sharing. Emphasis is on software models and design, including discovery and prevention of computing systems security vulnerabilities. Current systems and methods are examined and critiqued. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5388. Advanced Computer Graphics.
A study of the algorithms and data structures used in representing and processing visual data. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5389. Graphical User Interfaces.
Covers both abstract and practical treatments of using graphics to implement interactive computer/human interfaces. Includes a survey of the major GUI standards and tools. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5391. Survey of Software Engineering.
A study of the software life cycle with emphasis on system analysis and design. Methodologies based on data flows and on objects will be surveyed. A component on professional ethics is included. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5392. Formal Methods in Software Engineering.
The use of design and specification languages in producing software systems. Emphasis is placed on proving correctness of designs and implementations. Prerequisites: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5393. Software Quality.
The latter half of the software life cycle is discussed. Topics include testing, performance evaluation, and software metrics. Appropriate software tools are studied and used. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5394. Advanced Software Engineering Project.
Students produce a software project of significant size in a team environment. All aspects of the software engineering course sequence are integrated and put into practice. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5395. Independent Study in Advanced Computer Science.
Open to graduate students on an independent basis by arrangement with the faculty member concerned. Course is not repeatable for credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5396. Advanced Software Engineering Processes and Methods.
The essentials of software engineering processes, methods, and tools for the evolutionary design of complex interactive software are discussed. Overviews of other topics like quality concepts, SEI CMM, information technology, and network technology are covered. Student completes a literature survey of the latest software engineering analysis and design processes, methods, and tools. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in CS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Arts (M.A.) Major in Computer Science (Thesis Option)

Major Program

The Master of Arts (M.A.) degree with a major in Computer Science is designed to prepare students for doctoral research, college teaching, careers in computer science and software engineering, and careers in digital forensics.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or
- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- resume/CV
- statement of purpose
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

***Additional Information**

Students admitted to the program will participate in a diagnostic interview with the graduate advisor. This interview will include a review of test scores, grades, and work history. In some cases, additional courses may be added to the degree program.

Degree Requirements

The Master of Arts (M.A.) degree with a major in Computer Science requires 30 semester credit hours, including a thesis.

Background

Students are required to fulfill background course work if they do not have adequate undergraduate computer science background. The background requirements may be reduced if evidence is presented which shows that the applicant has taken equivalent courses elsewhere prior to enrollment at Texas State. Background work must be completed before enrolling in graduate courses.

The minimum undergraduate background requirements for computer science and software engineering majors are:

Code	Title	Hours
Computer Science [1]		
CS 1428	Foundations of Computer Science I	4
CS 2308	Foundations of Computer Science II	3
CS 2318	Assembly Language	3
CS 3339	Computer Architecture	3
CS 3358	Data Structures	3
CS 4318	Compiler Construction	3
or CS 4328	Operating Systems	
Advanced computer science electives (CS 3000-4000 level)		6
Mathematics [2]		
MATH 5358	Applied Discrete Mathematics (or equivalent)	3
Calculus		8

[1] These courses must be completed with no grade less than "C" and no more than two "Cs."

[2] These courses must be completed with no grade less than “C.”

Course Requirements

Code	Title	Hours
Required Courses		
CS 5329	Algorithm Design and Analysis	3
CS 5346	Advanced Artificial Intelligence	3
CS 5391	Survey of Software Engineering	3
CS 5306	Advanced Operating Systems	3
or CS 5310	Network and Communication Systems	
or CS 5332	Data Base Theory and Design	
CS 5318	Design of Programming Languages	3
or CS 5338	Formal Languages	
Electives		
Choose 3 hours of advisor-approved electives		3
Minor		
Choose a 6-hour advisor-approved minor		6
Thesis		
CS 5399A	Thesis	3
Select a minimum of 3 hours from the following:		3
CS 5199B	Thesis	
CS 5299B	Thesis	
CS 5399B	Thesis	
CS 5599B	Thesis	
CS 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student’s capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members’ signatures, the graduate advisor’s signature if required by the program and the department chair’s signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student’s enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process.

Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Computer Science: CS

Courses Offered

Computer Science (CS)

CS 5100. Advanced Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department. Course cannot be counted toward any graduate degree, is open only to majors in the Department of Computer Science. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5300. Professional Development of Graduate Assistants.
This course is designed to develop and enhance the professional and technical skills of graduate teaching and instructional assistants. Topics covered may include, but are not limited to, teaching skills, technical skills, ethical and legal issues, and laboratory management. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5301. Programming Practicum.
Intensive review of programming through data structures. Includes syntax, semantics, problem solving, algorithm development, and in-class exercises. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 5302. Foundations of Data Structures and Algorithm Design.
This course serves as a foundation course for computer science master's degree students who need reinforcement of fundamental concepts covered by CS 3358. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5303. Foundations of Computer Architecture.
This foundation course for CS master's degree students who need CS 3339 concept reinforcement covers fundamental hardware components. Topics include ALUs, single and multiple cycle datapath and control, RISC vs. CISC, pipelining, caches, I/O, virtual memory, and related performance issues. It may be repeated once and is non-graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5305. Foundations of Operating Systems.
This foundation course is for CS master's students who need CS 4328 fundamental concept reinforcement. It covers the principles of operating systems, algorithms for CPU scheduling, memory management, cooperating sequential processes and device management. It may be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5306. Advanced Operating Systems.
A study of modern operating systems including network, distributed, or real-time systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5310. Network and Communication Systems.
A study of network and communication systems. Verification and/or implementation of protocols will be required. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5316. Data Mining.
This course covers fundamental concepts and techniques plus recent developments in data mining and information retrieval. It provides relevant research training and practice opportunities. May not be taken for credit if student received credit for CS 4315. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5318. Principles of Programming Languages.
This course focuses on the principles of programming languages. Topics covered include programming paradigms, concepts of programming languages, formal syntax and semantics, and language implementation issues. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5326. Advanced Studies in Human Factors of Computer Science.
Professional level presentation of techniques and research findings related to human-computer interactions. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5329. Algorithm Design and Analysis.
Introduction to algorithm design and analysis, computational complexity, NP – completeness theory. Prerequisites: CS 3358 and MATH 2472 and [MATH 3398 or MATH 5358] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5331. Crafting Compilers.
Overview of the internal structure of modern compilers. Research on compilation techniques. Topics include lexical scanning, parsing techniques, static type checking, code generation, dataflow analysis, storage management, and execution environments. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5332. Data Base Theory and Design.
Computer system organization for the management of data; data models, data model theory, optimization and normalization; integrity constraints; query languages; intelligent database systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5334. Advanced Internet Information Processing.
Integration of popular scripting languages (Perl, JavaScript, PHP, and other CGI capable languages) and database programming languages (embedded database programming languages, JavaServlets, and PHP) to provide advanced information processing for Internet applications that demand both database support and sophisticated, application specific information processing. Prerequisite: CS 4332 or CS 5332 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5335. Research in Object-Oriented System Development.
The course covers the object-oriented methodologies for system analysis, design, implementation, testing, and other aspects of system development. Emphasis will be on using OO methodologies to manage the complexity of complicated software. Other topics like modeling, OODB, and OO languages will also be covered. Prerequisites: CS 3358 and [CS 4332 or CS 5332] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5338. Formal Languages.
Advanced topics in automata theory, grammars, Turing machines, decidability, and algorithmic complexity. Prerequisites: CS 3358 and MATH 3398 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5341. Advanced Network Programming.
Study of advanced concepts and programming skills in computer networks such as advanced TCP/IP, API, multicasting and broadcasting, reliable communications, advanced I/O functions and options. Prerequisite: CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5343. Wireless Communications and Networks.
Study of the fundamental aspects of wireless communications and ireless/mobile networks, introduction of wireless/mobile networking APIs. Prerequisites: CS 3358 with a grade of "B" or better and CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5346. Advanced Artificial Intelligence.
Knowledge representation; knowledge engineering; parallel and distributed AI; heuristic searches; machine learning and intelligent databases; implementation of systems in high-level AI languages. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5351. Parallel Processing.
Introduction to the design and analysis of parallel algorithms, parallel architectures, and computers. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5352. Distributed Computing.
Study of advanced topics in distributed systems: concurrency control and failure recovery, management of replicated data, distributed consensus and fault tolerance, remote procedure calls, naming and security. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5369B. Computer Vision.
This course covers the basic and recent topics in computer vision. Topics include classic computer vision features, object tracking and recognition, detection and segmentation, camera models, and image and video retrieval. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369G. Web Service Engineering.
Advanced concepts and techniques for enabling Web application integration and interaction using Semantic Web and Web services. Concepts and techniques include service discovery ontology (RDF, DAML-S), XML-based interactions standards (ebXML, RossettaNet) and Web Services (WSDL, SOAP, UDDI, BPEL). Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369J. Advanced Human Computer Interaction.
This course will cover state of the art human computer interaction topics such as perceptual compression, eye-gaze, and brain computer interfaces with emphasis on the human visual system, eye-tracking, and electroencephalography. Prerequisite: CS 3358 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369L. Machine Learning and Applications.
Provides broad introduction to machine learning, including learning theory, and recent topics like support vector machines and feature selection. Covers basic ideas, intuition, and understanding behind modern machine learning methods. Discusses applications like face recognition, text recognition, biometrics, bioinformatics, and multimedia retrieval. Prerequisite: CS 3358 grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369M. Software Evolution and Maintenance.
Software evolution and maintenance is one of the most important and complex activities in software engineering. Programmers rarely build software from scratch but often modify existing software to fix defects or add new features. This course studies the fundamentals of cutting-edge techniques and tools for software evolution and maintenance. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Q. Recommender Systems.
This course covers various concepts of recommender systems, including personalization algorithms, evaluation tools, and user experiences. Discussion of how recommender systems are deployed in business applications, design of new recommender experiences, and how to conduct and evaluate research in recommender systems. Cannot take for credit if already took CS 4379Q. Prerequisite: CS 3358 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Y. Green Computing.
Reducing mobile device, cloud computing platform, and supercomputer energy consumption is a paramount, daunting problem. This course covers state-of-the-art green computing research, including energy-efficient hardware and software design, power-aware resource management and storage solutions, green data centers and mobile computing. Cannot be taken for credit if received CS 4379Y credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5375. Multimedia Computing.
A study of the digital representation and processing of major multimedia data types: image, audio, and video. Compression techniques for the three data types, standards, and storage media. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5376. Enterprise Application Integration.
Introduction to the integration of all services available on the Web. It emphasizes component-based integration frameworks based on J2EE specification (EJB, Servlets, JMS), inter-organization workflow integration frameworks, and XML framework. Students must have knowledge of object-oriented design, object-oriented programming language, databases, and networking. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5378. Advanced Computer Security.
This course covers various aspects of producing secure computer information systems that provide guaranteed controlled sharing. Emphasis is on software models and design, including discovery and prevention of computing systems security vulnerabilities. Current systems and methods are examined and critiqued. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5388. Advanced Computer Graphics.
A study of the algorithms and data structures used in representing and processing visual data. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5389. Graphical User Interfaces.
Covers both abstract and practical treatments of using graphics to implement interactive computer/human interfaces. Includes a survey of the major GUI standards and tools. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5391. Survey of Software Engineering.
A study of the software life cycle with emphasis on system analysis and design. Methodologies based on data flows and on objects will be surveyed. A component on professional ethics is included. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5392. Formal Methods in Software Engineering.
The use of design and specification languages in producing software systems. Emphasis is placed on proving correctness of designs and implementations. Prerequisites: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5393. Software Quality.
The latter half of the software life cycle is discussed. Topics include testing, performance evaluation, and software metrics. Appropriate software tools are studied and used. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5394. Advanced Software Engineering Project.
Students produce a software project of significant size in a team environment. All aspects of the software engineering course sequence are integrated and put into practice. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5395. Independent Study in Advanced Computer Science.
Open to graduate students on an independent basis by arrangement with the faculty member concerned. Course is not repeatable for credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5396. Advanced Software Engineering Processes and Methods.
The essentials of software engineering processes, methods, and tools for the evolutionary design of complex interactive software are discussed. Overviews of other topics like quality concepts, SEI CMM, information technology, and network technology are covered. Student completes a literature survey of the latest software engineering analysis and design processes, methods, and tools. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in CS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Computer Science (Data Science Concentration)

The Data Science concentration covers the foundations of data science and exposes students to up to date theories, techniques, and practices of data science field.

Data science, which encompasses big data, employs machine learning, artificial intelligence (AI), statistical and other advanced models and techniques on big data. The work of data science can help identify valuable knowledge that is impossible or extremely difficult to obtain previously. Those knowledge and findings can help organizations understand their strengths and weakness and make meaningful and effective changes.

As such, data science has emerged as one of hottest areas in computer science and demand for computer science professionals with expertise in data science has been rising constantly and rapidly. Major tech companies all actively recruit computer science professionals with data science expertise. Students who graduate with the proposed concentration will work as data scientists, data science engineers, data analysts, big data system analysts, and software developers.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or
- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- resume/CV
- statement of purpose
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

Additional Information

Students admitted to the program will participate in a diagnostic interview with the graduate advisor. This interview will include a review of test scores, grades, and work history. In some cases, additional courses may be added to the degree program.

Degree Requirements

The Master of Science (M.S.) degree with a major in Computer Science concentration in Data Science requires 36 semester credit hours.

Background Requirements

Students are required to fulfill background course work if they do not have adequate undergraduate computer science background. The background requirements may be reduced if evidence is presented which shows that the applicant has taken equivalent courses elsewhere prior to enrollment at Texas State. Background work must be completed before enrolling in graduate courses.

The minimum undergraduate background requirements for computer science majors are:

Code	Title	Hours
Computer Science [1]		
CS 1428	Foundations of Computer Science I	4
CS 2308	Foundations of Computer Science II	3
CS 2318	Assembly Language	3
CS 3339	Computer Architecture	3
CS 3358	Data Structures	3
CS 4318	Compiler Construction	3
or CS 4328	Operating Systems	
Advanced computer science electives (3000-4000 level)		6
Mathematics [2]		
MATH 5358	Applied Discrete Mathematics	3
Calculus		8

[1] These courses must be completed with no grade less than "C" and no more than two "Cs."

[2] These courses must be completed with no grade less than "C."

Course Requirements

Code	Title	Hours
Required Courses		
CS 5329	Algorithm Design and Analysis	3
CS 5346	Advanced Artificial Intelligence	3
CS 5332	Data Base Theory and Design	3
CS 5318	Design of Programming Languages	3
or CS 5338	Formal Languages	
or CS 5351	Parallel Processing	
Concentration		
CS 7312	Advanced Data Mining	3
CS 7313	Advanced Machine Learning and Pattern Recognition	3
CS 7311	Data-Driven Computational Methods and Infrastructure	3
Electives		
Choose 15 hours of advisor-approved electives		15
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Computer Science: CS

Courses Offered

Computer Science (CS)

CS 5100. Advanced Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department. Course cannot be counted toward any graduate degree, is open only to majors in the Department of Computer Science. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5300. Professional Development of Graduate Assistants.
This course is designed to develop and enhance the professional and technical skills of graduate teaching and instructional assistants. Topics covered may include, but are not limited to, teaching skills, technical skills, ethical and legal issues, and laboratory management. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5301. Programming Practicum.
Intensive review of programming through data structures. Includes syntax, semantics, problem solving, algorithm development, and in-class exercises. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 5302. Foundations of Data Structures and Algorithm Design.
This course serves as a foundation course for computer science master's degree students who need reinforcement of fundamental concepts covered by CS 3358. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5303. Foundations of Computer Architecture.
This foundation course for CS master's degree students who need CS 3339 concept reinforcement covers fundamental hardware components. Topics include ALUs, single and multiple cycle datapath and control, RISC vs. CISC, pipelining, caches, I/O, virtual memory, and related performance issues. It may be repeated once and is non-graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5305. Foundations of Operating Systems.
This foundation course is for CS master's students who need CS 4328 fundamental concept reinforcement. It covers the principles of operating systems, algorithms for CPU scheduling, memory management, cooperating sequential processes and device management. It may be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5306. Advanced Operating Systems.
A study of modern operating systems including network, distributed, or real-time systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5310. Network and Communication Systems.
A study of network and communication systems. Verification and/or implementation of protocols will be required. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5316. Data Mining.
This course covers fundamental concepts and techniques plus recent developments in data mining and information retrieval. It provides relevant research training and practice opportunities. May not be taken for credit if student received credit for CS 4315. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5318. Principles of Programming Languages.
This course focuses on the principles of programming languages. Topics covered include programming paradigms, concepts of programming languages, formal syntax and semantics, and language implementation issues. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5326. Advanced Studies in Human Factors of Computer Science.
Professional level presentation of techniques and research findings related to human-computer interactions. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5329. Algorithm Design and Analysis.
Introduction to algorithm design and analysis, computational complexity, NP – completeness theory. Prerequisites: CS 3358 and MATH 2472 and [MATH 3398 or MATH 5358] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5331. Crafting Compilers.
Overview of the internal structure of modern compilers. Research on compilation techniques. Topics include lexical scanning, parsing techniques, static type checking, code generation, dataflow analysis, storage management, and execution environments. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5332. Data Base Theory and Design.
Computer system organization for the management of data; data models, data model theory, optimization and normalization; integrity constraints; query languages; intelligent database systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5334. Advanced Internet Information Processing.
Integration of popular scripting languages (Perl, JavaScript, PHP, and other CGI capable languages) and database programming languages (embedded database programming languages, JavaServlets, and PHP) to provide advanced information processing for Internet applications that demand both database support and sophisticated, application specific information processing. Prerequisite: CS 4332 or CS 5332 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5335. Research in Object-Oriented System Development.
The course covers the object-oriented methodologies for system analysis, design, implementation, testing, and other aspects of system development. Emphasis will be on using OO methodologies to manage the complexity of complicated software. Other topics like modeling, OODB, and OO languages will also be covered. Prerequisites: CS 3358 and [CS 4332 or CS 5332] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5338. Formal Languages.
Advanced topics in automata theory, grammars, Turing machines, decidability, and algorithmic complexity. Prerequisites: CS 3358 and MATH 3398 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5341. Advanced Network Programming.
Study of advanced concepts and programming skills in computer networks such as advanced TCP/IP, API, multicasting and broadcasting, reliable communications, advanced I/O functions and options. Prerequisite: CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5343. Wireless Communications and Networks.
Study of the fundamental aspects of wireless communications and ireless/mobile networks, introduction of wireless/mobile networking APIs. Prerequisites: CS 3358 with a grade of "B" or better and CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5346. Advanced Artificial Intelligence.
Knowledge representation; knowledge engineering; parallel and distributed AI; heuristic searches; machine learning and intelligent databases; implementation of systems in high-level AI languages. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5351. Parallel Processing.
Introduction to the design and analysis of parallel algorithms, parallel architectures, and computers. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5352. Distributed Computing.
Study of advanced topics in distributed systems: concurrency control and failure recovery, management of replicated data, distributed consensus and fault tolerance, remote procedure calls, naming and security. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5369B. Computer Vision.
This course covers the basic and recent topics in computer vision. Topics include classic computer vision features, object tracking and recognition, detection and segmentation, camera models, and image and video retrieval. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369G. Web Service Engineering.
Advanced concepts and techniques for enabling Web application integration and interaction using Semantic Web and Web services. Concepts and techniques include service discovery ontology (RDF, DAML-S), XML-based interactions standards (ebXML, RossettaNet) and Web Services (WSDL, SOAP, UDDI, BPEL). Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369J. Advanced Human Computer Interaction.
This course will cover state of the art human computer interaction topics such as perceptual compression, eye-gaze, and brain computer interfaces with emphasis on the human visual system, eye-tracking, and electroencephalography. Prerequisite: CS 3358 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369L. Machine Learning and Applications.
Provides broad introduction to machine learning, including learning theory, and recent topics like support vector machines and feature selection. Covers basic ideas, intuition, and understanding behind modern machine learning methods. Discusses applications like face recognition, text recognition, biometrics, bioinformatics, and multimedia retrieval. Prerequisite: CS 3358 grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369M. Software Evolution and Maintenance.
Software evolution and maintenance is one of the most important and complex activities in software engineering. Programmers rarely build software from scratch but often modify existing software to fix defects or add new features. This course studies the fundamentals of cutting-edge techniques and tools for software evolution and maintenance. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Q. Recommender Systems.
This course covers various concepts of recommender systems, including personalization algorithms, evaluation tools, and user experiences. Discussion of how recommender systems are deployed in business applications, design of new recommender experiences, and how to conduct and evaluate research in recommender systems. Cannot take for credit if already took CS 4379Q. Prerequisite: CS 3358 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Y. Green Computing.
Reducing mobile device, cloud computing platform, and supercomputer energy consumption is a paramount, daunting problem. This course covers state-of-the-art green computing research, including energy-efficient hardware and software design, power-aware resource management and storage solutions, green data centers and mobile computing. Cannot be taken for credit if received CS 4379Y credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5375. Multimedia Computing.
A study of the digital representation and processing of major multimedia data types: image, audio, and video. Compression techniques for the three data types, standards, and storage media. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5376. Enterprise Application Integration.
Introduction to the integration of all services available on the Web. It emphasizes component-based integration frameworks based on J2EE specification (EJB, Servlets, JMS), inter-organization workflow integration frameworks, and XML framework. Students must have knowledge of object-oriented design, object-oriented programming language, databases, and networking. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5378. Advanced Computer Security.
This course covers various aspects of producing secure computer information systems that provide guaranteed controlled sharing. Emphasis is on software models and design, including discovery and prevention of computing systems security vulnerabilities. Current systems and methods are examined and critiqued. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5388. Advanced Computer Graphics.
A study of the algorithms and data structures used in representing and processing visual data. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5389. Graphical User Interfaces.
Covers both abstract and practical treatments of using graphics to implement interactive computer/human interfaces. Includes a survey of the major GUI standards and tools. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5391. Survey of Software Engineering.
A study of the software life cycle with emphasis on system analysis and design. Methodologies based on data flows and on objects will be surveyed. A component on professional ethics is included. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5392. Formal Methods in Software Engineering.
The use of design and specification languages in producing software systems. Emphasis is placed on proving correctness of designs and implementations. Prerequisites: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5393. Software Quality.
The latter half of the software life cycle is discussed. Topics include testing, performance evaluation, and software metrics. Appropriate software tools are studied and used. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5394. Advanced Software Engineering Project.
Students produce a software project of significant size in a team environment. All aspects of the software engineering course sequence are integrated and put into practice. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5395. Independent Study in Advanced Computer Science.
Open to graduate students on an independent basis by arrangement with the faculty member concerned. Course is not repeatable for credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5396. Advanced Software Engineering Processes and Methods.
The essentials of software engineering processes, methods, and tools for the evolutionary design of complex interactive software are discussed. Overviews of other topics like quality concepts, SEI CMM, information technology, and network technology are covered. Student completes a literature survey of the latest software engineering analysis and design processes, methods, and tools. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in CS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Computer Science (Non-thesis Option)

Major Program

The Master of Science (M.S.) degree with a major in Computer Science is designed to prepare students for doctoral research, college teaching, careers in computer science and software engineering, and careers in digital forensics.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- resume/CV
- statement of purpose
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

***Additional Information**

Students admitted to the program will participate in a diagnostic interview with the graduate advisor. This interview will include a review of test scores, grades, and work history. In some cases, additional courses may be added to the degree program.

Degree Requirements

The Master of Science (M.S.) major in computer science requires 36 semester credit hours.

Background Requirements

Students are required to fulfill background course work if they do not have adequate undergraduate computer science background. The background requirements may be reduced if evidence is presented which shows that the applicant has taken equivalent courses elsewhere prior to enrollment at Texas State. Background work must be completed before enrolling in graduate courses.

The minimum undergraduate background requirements for computer science majors are:

Code	Title	Hours
Computer Science [1]		
CS 1428	Foundations of Computer Science I	4
CS 2308	Foundations of Computer Science II	3
CS 2318	Assembly Language	3
CS 3339	Computer Architecture	3
CS 3358	Data Structures	3
CS 4318	Compiler Construction	3
or CS 4328	Operating Systems	
Advanced computer science electives (CS 3000-4000 level)		6
Mathematics [2]		
MATH 5358	Applied Discrete Mathematics (or equivalent)	3
Calculus		8

1 These courses must be completed with no grade less than "C" and no more than two "Cs."

2 These courses must be completed with no grade less than "C."

Course Requirements

Code	Title	Hours
Required Courses		
CS 5329	Algorithm Design and Analysis	3
CS 5346	Advanced Artificial Intelligence	3
or CS 5391	Survey of Software Engineering	
CS 5306	Advanced Operating Systems	3
or CS 5310	Network and Communication Systems	
or CS 5332	Data Base Theory and Design	
CS 5318	Design of Programming Languages	3
or CS 5338	Formal Languages	
or CS 5351	Parallel Processing	
Electives		

Choose 24 hours of advisor-approved electives	24
Total Hours	36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Computer Science: CS

Courses Offered

Computer Science (CS)

CS 5100. Advanced Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department. Course cannot be counted toward any graduate degree, is open only to majors in the Department of Computer Science. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5300. Professional Development of Graduate Assistants.
This course is designed to develop and enhance the professional and technical skills of graduate teaching and instructional assistants. Topics covered may include, but are not limited to, teaching skills, technical skills, ethical and legal issues, and laboratory management. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5301. Programming Practicum.
Intensive review of programming through data structures. Includes syntax, semantics, problem solving, algorithm development, and in-class exercises. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 5302. Foundations of Data Structures and Algorithm Design.
This course serves as a foundation course for computer science master's degree students who need reinforcement of fundamental concepts covered by CS 3358. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5303. Foundations of Computer Architecture.
This foundation course for CS master's degree students who need CS 3339 concept reinforcement covers fundamental hardware components. Topics include ALUs, single and multiple cycle datapath and control, RISC vs. CISC, pipelining, caches, I/O, virtual memory, and related performance issues. It may be repeated once and is non-graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5305. Foundations of Operating Systems.
This foundation course is for CS master's students who need CS 4328 fundamental concept reinforcement. It covers the principles of operating systems, algorithms for CPU scheduling, memory management, cooperating sequential processes and device management. It may be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5306. Advanced Operating Systems.
A study of modern operating systems including network, distributed, or real-time systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5310. Network and Communication Systems.
A study of network and communication systems. Verification and/or implementation of protocols will be required. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5316. Data Mining.
This course covers fundamental concepts and techniques plus recent developments in data mining and information retrieval. It provides relevant research training and practice opportunities. May not be taken for credit if student received credit for CS 4315. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5318. Principles of Programming Languages.
This course focuses on the principles of programming languages. Topics covered include programming paradigms, concepts of programming languages, formal syntax and semantics, and language implementation issues. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5326. Advanced Studies in Human Factors of Computer Science.
Professional level presentation of techniques and research findings related to human-computer interactions. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5329. Algorithm Design and Analysis.
Introduction to algorithm design and analysis, computational complexity, NP – completeness theory. Prerequisites: CS 3358 and MATH 2472 and [MATH 3398 or MATH 5358] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5331. Crafting Compilers.
Overview of the internal structure of modern compilers. Research on compilation techniques. Topics include lexical scanning, parsing techniques, static type checking, code generation, dataflow analysis, storage management, and execution environments. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5332. Data Base Theory and Design.
Computer system organization for the management of data; data models, data model theory, optimization and normalization; integrity constraints; query languages; intelligent database systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5334. Advanced Internet Information Processing.
Integration of popular scripting languages (Perl, JavaScript, PHP, and other CGI capable languages) and database programming languages (embedded database programming languages, JavaServlets, and PHP) to provide advanced information processing for Internet applications that demand both database support and sophisticated, application specific information processing. Prerequisite: CS 4332 or CS 5332 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5335. Research in Object-Oriented System Development.
The course covers the object-oriented methodologies for system analysis, design, implementation, testing, and other aspects of system development. Emphasis will be on using OO methodologies to manage the complexity of complicated software. Other topics like modeling, OODB, and OO languages will also be covered. Prerequisites: CS 3358 and [CS 4332 or CS 5332] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5338. Formal Languages.
Advanced topics in automata theory, grammars, Turing machines, decidability, and algorithmic complexity. Prerequisites: CS 3358 and MATH 3398 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5341. Advanced Network Programming.
Study of advanced concepts and programming skills in computer networks such as advanced TCP/IP, API, multicasting and broadcasting, reliable communications, advanced I/O functions and options. Prerequisite: CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5343. Wireless Communications and Networks.
Study of the fundamental aspects of wireless communications and ireless/mobile networks, introduction of wireless/mobile networking APIs. Prerequisites: CS 3358 with a grade of "B" or better and CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5346. Advanced Artificial Intelligence.
Knowledge representation; knowledge engineering; parallel and distributed AI; heuristic searches; machine learning and intelligent databases; implementation of systems in high-level AI languages. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5351. Parallel Processing.
Introduction to the design and analysis of parallel algorithms, parallel architectures, and computers. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5352. Distributed Computing.
Study of advanced topics in distributed systems: concurrency control and failure recovery, management of replicated data, distributed consensus and fault tolerance, remote procedure calls, naming and security. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5369B. Computer Vision.
This course covers the basic and recent topics in computer vision. Topics include classic computer vision features, object tracking and recognition, detection and segmentation, camera models, and image and video retrieval. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369G. Web Service Engineering.
Advanced concepts and techniques for enabling Web application integration and interaction using Semantic Web and Web services. Concepts and techniques include service discovery ontology (RDF, DAML-S), XML-based interactions standards (ebXML, RossettaNet) and Web Services (WSDL, SOAP, UDDI, BPEL). Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369J. Advanced Human Computer Interaction.
This course will cover state of the art human computer interaction topics such as perceptual compression, eye-gaze, and brain computer interfaces with emphasis on the human visual system, eye-tracking, and electroencephalography. Prerequisite: CS 3358 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369L. Machine Learning and Applications.
Provides broad introduction to machine learning, including learning theory, and recent topics like support vector machines and feature selection. Covers basic ideas, intuition, and understanding behind modern machine learning methods. Discusses applications like face recognition, text recognition, biometrics, bioinformatics, and multimedia retrieval. Prerequisite: CS 3358 grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369M. Software Evolution and Maintenance.
Software evolution and maintenance is one of the most important and complex activities in software engineering. Programmers rarely build software from scratch but often modify existing software to fix defects or add new features. This course studies the fundamentals of cutting-edge techniques and tools for software evolution and maintenance. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Q. Recommender Systems.
This course covers various concepts of recommender systems, including personalization algorithms, evaluation tools, and user experiences. Discussion of how recommender systems are deployed in business applications, design of new recommender experiences, and how to conduct and evaluate research in recommender systems. Cannot take for credit if already took CS 4379Q. Prerequisite: CS 3358 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Y. Green Computing.
Reducing mobile device, cloud computing platform, and supercomputer energy consumption is a paramount, daunting problem. This course covers state-of-the-art green computing research, including energy-efficient hardware and software design, power-aware resource management and storage solutions, green data centers and mobile computing. Cannot be taken for credit if received CS 4379Y credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5375. Multimedia Computing.
A study of the digital representation and processing of major multimedia data types: image, audio, and video. Compression techniques for the three data types, standards, and storage media. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5376. Enterprise Application Integration.
Introduction to the integration of all services available on the Web. It emphasizes component-based integration frameworks based on J2EE specification (EJB, Servlets, JMS), inter-organization workflow integration frameworks, and XML framework. Students must have knowledge of object-oriented design, object-oriented programming language, databases, and networking. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5378. Advanced Computer Security.
This course covers various aspects of producing secure computer information systems that provide guaranteed controlled sharing. Emphasis is on software models and design, including discovery and prevention of computing systems security vulnerabilities. Current systems and methods are examined and critiqued. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5388. Advanced Computer Graphics.
A study of the algorithms and data structures used in representing and processing visual data. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5389. Graphical User Interfaces.
Covers both abstract and practical treatments of using graphics to implement interactive computer/human interfaces. Includes a survey of the major GUI standards and tools. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5391. Survey of Software Engineering.
A study of the software life cycle with emphasis on system analysis and design. Methodologies based on data flows and on objects will be surveyed. A component on professional ethics is included. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5392. Formal Methods in Software Engineering.
The use of design and specification languages in producing software systems. Emphasis is placed on proving correctness of designs and implementations. Prerequisites: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5393. Software Quality.
The latter half of the software life cycle is discussed. Topics include testing, performance evaluation, and software metrics. Appropriate software tools are studied and used. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5394. Advanced Software Engineering Project.
Students produce a software project of significant size in a team environment. All aspects of the software engineering course sequence are integrated and put into practice. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5395. Independent Study in Advanced Computer Science.
Open to graduate students on an independent basis by arrangement with the faculty member concerned. Course is not repeatable for credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5396. Advanced Software Engineering Processes and Methods.
The essentials of software engineering processes, methods, and tools for the evolutionary design of complex interactive software are discussed. Overviews of other topics like quality concepts, SEI CMM, information technology, and network technology are covered. Student completes a literature survey of the latest software engineering analysis and design processes, methods, and tools. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in CS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Computer Science (Non-thesis Science Minor Option)

Major Program

The Master of Science (M.S.) degree with a major in Computer Science is designed to prepare students for doctoral research, college teaching, careers in computer science and software engineering, and careers in digital forensics.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or
- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

- The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.

- resume/CV
- statement of purpose
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

***Additional Information**

Students admitted to the program will participate in a diagnostic interview with the graduate advisor. This interview will include a review of test scores, grades, and work history. In some cases, additional courses may be added to the degree program.

Degree Requirements

The Master of Science (M.S.) major in computer science requires 36 semester credit hours.

Background

Students are required to fulfill background course work if they do not have adequate undergraduate computer science background. The background requirements may be reduced if evidence is presented which shows that the applicant has taken equivalent courses elsewhere prior to enrollment at Texas State. Background work must be completed before enrolling in graduate courses.

The minimum undergraduate background requirements for **computer science** majors are:

Code	Title	Hours
Computer Science [1]		
CS 1428	Foundations of Computer Science I	4
CS 2308	Foundations of Computer Science II	3
CS 2318	Assembly Language	3
CS 3339	Computer Architecture	3
CS 3358	Data Structures	3
CS 4318	Compiler Construction	3
or CS 4328	Operating Systems	
Advanced computer science electives (CS 3000-4000 level)		6
Mathematics [2]		
MATH 5358	Applied Discrete Mathematics (or equivalent)	3
Calculus		8

1 These courses must be completed with no grade less than "C" and no more than two "Cs."

2 These courses must be completed with no grade less than “C.”

Course Requirements

Code	Title	Hours
Required Courses		
CS 5329	Algorithm Design and Analysis	3
CS 5346	Advanced Artificial Intelligence	3
or CS 5391	Survey of Software Engineering	
CS 5306	Advanced Operating Systems	3
or CS 5310	Network and Communication Systems	
or CS 5332	Data Base Theory and Design	
CS 5318	Design of Programming Languages	3
or CS 5338	Formal Languages	
or CS 5351	Parallel Processing	
Electives		
Choose 15 hours of advisor-approved electives		15
Minor		
Choose a 9-hour advisor-approved science minor		9
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master’s level courses in Computer Science: CS

Courses Offered

Computer Science (CS)

CS 5100. Advanced Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department. Course cannot be counted toward any graduate degree, is open only to majors in the Department of Computer Science. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5199B. Thesis.
This course represents a student’s continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5300. Professional Development of Graduate Assistants.
This course is designed to develop and enhance the professional and technical skills of graduate teaching and instructional assistants. Topics covered may include, but are not limited to, teaching skills, technical skills, ethical and legal issues, and laboratory management. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5301. Programming Practicum.
Intensive review of programming through data structures. Includes syntax, semantics, problem solving, algorithm development, and in-class exercises. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 5302. Foundations of Data Structures and Algorithm Design.
This course serves as a foundation course for computer science master's degree students who need reinforcement of fundamental concepts covered by CS 3358. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5303. Foundations of Computer Architecture.
This foundation course for CS master's degree students who need CS 3339 concept reinforcement covers fundamental hardware components. Topics include ALUs, single and multiple cycle datapath and control, RISC vs. CISC, pipelining, caches, I/O, virtual memory, and related performance issues. It may be repeated once and is non-graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5305. Foundations of Operating Systems.
This foundation course is for CS master's students who need CS 4328 fundamental concept reinforcement. It covers the principles of operating systems, algorithms for CPU scheduling, memory management, cooperating sequential processes and device management. It may be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5306. Advanced Operating Systems.
A study of modern operating systems including network, distributed, or real-time systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5310. Network and Communication Systems.
A study of network and communication systems. Verification and/or implementation of protocols will be required. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5316. Data Mining.
This course covers fundamental concepts and techniques plus recent developments in data mining and information retrieval. It provides relevant research training and practice opportunities. May not be taken for credit if student received credit for CS 4315. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5318. Principles of Programming Languages.
This course focuses on the principles of programming languages. Topics covered include programming paradigms, concepts of programming languages, formal syntax and semantics, and language implementation issues. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5326. Advanced Studies in Human Factors of Computer Science.
Professional level presentation of techniques and research findings related to human-computer interactions. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5329. Algorithm Design and Analysis.
Introduction to algorithm design and analysis, computational complexity, NP – completeness theory. Prerequisites: CS 3358 and MATH 2472 and [MATH 3398 or MATH 5358] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5331. Crafting Compilers.
Overview of the internal structure of modern compilers. Research on compilation techniques. Topics include lexical scanning, parsing techniques, static type checking, code generation, dataflow analysis, storage management, and execution environments. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5332. Data Base Theory and Design.
Computer system organization for the management of data; data models, data model theory, optimization and normalization; integrity constraints; query languages; intelligent database systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5334. Advanced Internet Information Processing.
Integration of popular scripting languages (Perl, JavaScript, PHP, and other CGI capable languages) and database programming languages (embedded database programming languages, JavaServlets, and PHP) to provide advanced information processing for Internet applications that demand both database support and sophisticated, application specific information processing. Prerequisite: CS 4332 or CS 5332 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5335. Research in Object-Oriented System Development.
The course covers the object-oriented methodologies for system analysis, design, implementation, testing, and other aspects of system development. Emphasis will be on using OO methodologies to manage the complexity of complicated software. Other topics like modeling, OODB, and OO languages will also be covered. Prerequisites: CS 3358 and [CS 4332 or CS 5332] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5338. Formal Languages.
Advanced topics in automata theory, grammars, Turing machines, decidability, and algorithmic complexity. Prerequisites: CS 3358 and MATH 3398 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5341. Advanced Network Programming.
Study of advanced concepts and programming skills in computer networks such as advanced TCP/IP, API, multicasting and broadcasting, reliable communications, advanced I/O functions and options. Prerequisite: CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5343. Wireless Communications and Networks.
Study of the fundamental aspects of wireless communications and ireless/mobile networks, introduction of wireless/mobile networking APIs. Prerequisites: CS 3358 with a grade of "B" or better and CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5346. Advanced Artificial Intelligence.
Knowledge representation; knowledge engineering; parallel and distributed AI; heuristic searches; machine learning and intelligent databases; implementation of systems in high-level AI languages. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5351. Parallel Processing.
Introduction to the design and analysis of parallel algorithms, parallel architectures, and computers. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5352. Distributed Computing.
Study of advanced topics in distributed systems: concurrency control and failure recovery, management of replicated data, distributed consensus and fault tolerance, remote procedure calls, naming and security. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5369B. Computer Vision.
This course covers the basic and recent topics in computer vision. Topics include classic computer vision features, object tracking and recognition, detection and segmentation, camera models, and image and video retrieval. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369G. Web Service Engineering.
Advanced concepts and techniques for enabling Web application integration and interaction using Semantic Web and Web services. Concepts and techniques include service discovery ontology (RDF, DAML-S), XML-based interactions standards (ebXML, RossettaNet) and Web Services (WSDL, SOAP, UDDI, BPEL). Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369J. Advanced Human Computer Interaction.
This course will cover state of the art human computer interaction topics such as perceptual compression, eye-gaze, and brain computer interfaces with emphasis on the human visual system, eye-tracking, and electroencephalography. Prerequisite: CS 3358 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369L. Machine Learning and Applications.
Provides broad introduction to machine learning, including learning theory, and recent topics like support vector machines and feature selection. Covers basic ideas, intuition, and understanding behind modern machine learning methods. Discusses applications like face recognition, text recognition, biometrics, bioinformatics, and multimedia retrieval. Prerequisite: CS 3358 grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369M. Software Evolution and Maintenance.
Software evolution and maintenance is one of the most important and complex activities in software engineering. Programmers rarely build software from scratch but often modify existing software to fix defects or add new features. This course studies the fundamentals of cutting-edge techniques and tools for software evolution and maintenance. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Q. Recommender Systems.
This course covers various concepts of recommender systems, including personalization algorithms, evaluation tools, and user experiences. Discussion of how recommender systems are deployed in business applications, design of new recommender experiences, and how to conduct and evaluate research in recommender systems. Cannot take for credit if already took CS 4379Q. Prerequisite: CS 3358 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Y. Green Computing.
Reducing mobile device, cloud computing platform, and supercomputer energy consumption is a paramount, daunting problem. This course covers state-of-the-art green computing research, including energy-efficient hardware and software design, power-aware resource management and storage solutions, green data centers and mobile computing. Cannot be taken for credit if received CS 4379Y credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5375. Multimedia Computing.
A study of the digital representation and processing of major multimedia data types: image, audio, and video. Compression techniques for the three data types, standards, and storage media. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5376. Enterprise Application Integration.
Introduction to the integration of all services available on the Web. It emphasizes component-based integration frameworks based on J2EE specification (EJB, Servlets, JMS), inter-organization workflow integration frameworks, and XML framework. Students must have knowledge of object-oriented design, object-oriented programming language, databases, and networking. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5378. Advanced Computer Security.
This course covers various aspects of producing secure computer information systems that provide guaranteed controlled sharing. Emphasis is on software models and design, including discovery and prevention of computing systems security vulnerabilities. Current systems and methods are examined and critiqued. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5388. Advanced Computer Graphics.
A study of the algorithms and data structures used in representing and processing visual data. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5389. Graphical User Interfaces.
Covers both abstract and practical treatments of using graphics to implement interactive computer/human interfaces. Includes a survey of the major GUI standards and tools. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5391. Survey of Software Engineering.
A study of the software life cycle with emphasis on system analysis and design. Methodologies based on data flows and on objects will be surveyed. A component on professional ethics is included. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5392. Formal Methods in Software Engineering.
The use of design and specification languages in producing software systems. Emphasis is placed on proving correctness of designs and implementations. Prerequisites: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5393. Software Quality.
The latter half of the software life cycle is discussed. Topics include testing, performance evaluation, and software metrics. Appropriate software tools are studied and used. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5394. Advanced Software Engineering Project.
Students produce a software project of significant size in a team environment. All aspects of the software engineering course sequence are integrated and put into practice. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5395. Independent Study in Advanced Computer Science.
Open to graduate students on an independent basis by arrangement with the faculty member concerned. Course is not repeatable for credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5396. Advanced Software Engineering Processes and Methods.
The essentials of software engineering processes, methods, and tools for the evolutionary design of complex interactive software are discussed. Overviews of other topics like quality concepts, SEI CMM, information technology, and network technology are covered. Student completes a literature survey of the latest software engineering analysis and design processes, methods, and tools. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in CS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Computer Science (Thesis Option)

Major Program

The Master of Science (M.S.) degree with a major in Computer Science is designed to prepare students for doctoral research, college teaching, careers in computer science and software engineering, and careers in digital forensics.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- resume/CV
- statement of purpose
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

***Additional Information**

Students admitted to the program will participate in a diagnostic interview with the graduate advisor. This interview will include a review of test scores, grades, and work history. In some cases, additional courses may be added to the degree program.

Degree Requirements

The Master of Science (M.S.) major in computer science requires 30 semester credit hours, including thesis.

Background

Students are required to fulfill background course work if they do not have adequate undergraduate computer science background. The background requirements may be reduced if evidence is presented which

shows that the applicant has taken equivalent courses elsewhere prior to enrollment at Texas State. Background work must be completed before enrolling in graduate courses.

The minimum undergraduate background requirements for **computer science** majors are:

Code	Title	Hours
Computer Science [1]		
CS 1428	Foundations of Computer Science I	4
CS 2308	Foundations of Computer Science II	3
CS 2318	Assembly Language	3
CS 3339	Computer Architecture	3
CS 3358	Data Structures	3
CS 4318	Compiler Construction	3
or CS 4328	Operating Systems	
Advanced computer science electives (CS 3000-4000 level)		6
Mathematics [2]		
MATH 5358	Applied Discrete Mathematics (or equivalent)	3
Calculus		8

[1] These courses must be completed with no grade less than "C" and no more than two "Cs."

[2] These courses must be completed with no grade less than "C."

Course Requirements

Code	Title	Hours
Required Courses		
CS 5329	Algorithm Design and Analysis	3
CS 5346	Advanced Artificial Intelligence	3
or CS 5391	Survey of Software Engineering	
CS 5306	Advanced Operating Systems	3
or CS 5310	Network and Communication Systems	
or CS 5332	Data Base Theory and Design	
CS 5318	Design of Programming Languages	3
or CS 5338	Formal Languages	
or CS 5351	Parallel Processing	
Electives		
Choose 12 hours of advisor-approved electives		12
Thesis		
CS 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
CS 5199B	Thesis	
CS 5299B	Thesis	
CS 5399B	Thesis	
CS 5599B	Thesis	
CS 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to

work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Computer Science: CS

Courses Offered

Computer Science (CS)

CS 5100. Advanced Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department. Course cannot be counted toward any graduate degree, is open only to majors in the Department of Computer Science. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5300. Professional Development of Graduate Assistants.
This course is designed to develop and enhance the professional and technical skills of graduate teaching and instructional assistants. Topics covered may include, but are not limited to, teaching skills, technical skills, ethical and legal issues, and laboratory management. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5301. Programming Practicum.
Intensive review of programming through data structures. Includes syntax, semantics, problem solving, algorithm development, and in-class exercises. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 5302. Foundations of Data Structures and Algorithm Design.
This course serves as a foundation course for computer science master's degree students who need reinforcement of fundamental concepts covered by CS 3358. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5303. Foundations of Computer Architecture.
This foundation course for CS master's degree students who need CS 3339 concept reinforcement covers fundamental hardware components. Topics include ALUs, single and multiple cycle datapath and control, RISC vs. CISC, pipelining, caches, I/O, virtual memory, and related performance issues. It may be repeated once and is non-graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5305. Foundations of Operating Systems.
This foundation course is for CS master's students who need CS 4328 fundamental concept reinforcement. It covers the principles of operating systems, algorithms for CPU scheduling, memory management, cooperating sequential processes and device management. It may be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5306. Advanced Operating Systems.
A study of modern operating systems including network, distributed, or real-time systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5310. Network and Communication Systems.
A study of network and communication systems. Verification and/or implementation of protocols will be required. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5316. Data Mining.
This course covers fundamental concepts and techniques plus recent developments in data mining and information retrieval. It provides relevant research training and practice opportunities. May not be taken for credit if student received credit for CS 4315. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5318. Principles of Programming Languages.
This course focuses on the principles of programming languages. Topics covered include programming paradigms, concepts of programming languages, formal syntax and semantics, and language implementation issues. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5326. Advanced Studies in Human Factors of Computer Science.
Professional level presentation of techniques and research findings related to human-computer interactions. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5329. Algorithm Design and Analysis.
Introduction to algorithm design and analysis, computational complexity, NP – completeness theory. Prerequisites: CS 3358 and MATH 2472 and [MATH 3398 or MATH 5358] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5331. Crafting Compilers.
Overview of the internal structure of modern compilers. Research on compilation techniques. Topics include lexical scanning, parsing techniques, static type checking, code generation, dataflow analysis, storage management, and execution environments. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5332. Data Base Theory and Design.
Computer system organization for the management of data; data models, data model theory, optimization and normalization; integrity constraints; query languages; intelligent database systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5334. Advanced Internet Information Processing.
Integration of popular scripting languages (Perl, JavaScript, PHP, and other CGI capable languages) and database programming languages (embedded database programming languages, JavaServlets, and PHP) to provide advanced information processing for Internet applications that demand both database support and sophisticated, application specific information processing. Prerequisite: CS 4332 or CS 5332 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5335. Research in Object-Oriented System Development.
The course covers the object-oriented methodologies for system analysis, design, implementation, testing, and other aspects of system development. Emphasis will be on using OO methodologies to manage the complexity of complicated software. Other topics like modeling, OODB, and OO languages will also be covered. Prerequisites: CS 3358 and [CS 4332 or CS 5332] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5338. Formal Languages.
Advanced topics in automata theory, grammars, Turing machines, decidability, and algorithmic complexity. Prerequisites: CS 3358 and MATH 3398 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5341. Advanced Network Programming.
Study of advanced concepts and programming skills in computer networks such as advanced TCP/IP, API, multicasting and broadcasting, reliable communications, advanced I/O functions and options. Prerequisite: CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5343. Wireless Communications and Networks.
Study of the fundamental aspects of wireless communications and ireless/mobile networks, introduction of wireless/mobile networking APIs. Prerequisites: CS 3358 with a grade of "B" or better and CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5346. Advanced Artificial Intelligence.
Knowledge representation; knowledge engineering; parallel and distributed AI; heuristic searches; machine learning and intelligent databases; implementation of systems in high-level AI languages. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5351. Parallel Processing.
Introduction to the design and analysis of parallel algorithms, parallel architectures, and computers. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5352. Distributed Computing.
Study of advanced topics in distributed systems: concurrency control and failure recovery, management of replicated data, distributed consensus and fault tolerance, remote procedure calls, naming and security. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5369B. Computer Vision.
This course covers the basic and recent topics in computer vision. Topics include classic computer vision features, object tracking and recognition, detection and segmentation, camera models, and image and video retrieval. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369G. Web Service Engineering.
Advanced concepts and techniques for enabling Web application integration and interaction using Semantic Web and Web services. Concepts and techniques include service discovery ontology (RDF, DAML-S), XML-based interactions standards (ebXML, RossettaNet) and Web Services (WSDL, SOAP, UDDI, BPEL). Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369J. Advanced Human Computer Interaction.
This course will cover state of the art human computer interaction topics such as perceptual compression, eye-gaze, and brain computer interfaces with emphasis on the human visual system, eye-tracking, and electroencephalography. Prerequisite: CS 3358 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369L. Machine Learning and Applications.
Provides broad introduction to machine learning, including learning theory, and recent topics like support vector machines and feature selection. Covers basic ideas, intuition, and understanding behind modern machine learning methods. Discusses applications like face recognition, text recognition, biometrics, bioinformatics, and multimedia retrieval. Prerequisite: CS 3358 grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369M. Software Evolution and Maintenance.
Software evolution and maintenance is one of the most important and complex activities in software engineering. Programmers rarely build software from scratch but often modify existing software to fix defects or add new features. This course studies the fundamentals of cutting-edge techniques and tools for software evolution and maintenance. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Q. Recommender Systems.
This course covers various concepts of recommender systems, including personalization algorithms, evaluation tools, and user experiences. Discussion of how recommender systems are deployed in business applications, design of new recommender experiences, and how to conduct and evaluate research in recommender systems. Cannot take for credit if already took CS 4379Q. Prerequisite: CS 3358 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Y. Green Computing.
Reducing mobile device, cloud computing platform, and supercomputer energy consumption is a paramount, daunting problem. This course covers state-of-the-art green computing research, including energy-efficient hardware and software design, power-aware resource management and storage solutions, green data centers and mobile computing. Cannot be taken for credit if received CS 4379Y credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5375. Multimedia Computing.
A study of the digital representation and processing of major multimedia data types: image, audio, and video. Compression techniques for the three data types, standards, and storage media. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5376. Enterprise Application Integration.
Introduction to the integration of all services available on the Web. It emphasizes component-based integration frameworks based on J2EE specification (EJB, Servlets, JMS), inter-organization workflow integration frameworks, and XML framework. Students must have knowledge of object-oriented design, object-oriented programming language, databases, and networking. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5378. Advanced Computer Security.
This course covers various aspects of producing secure computer information systems that provide guaranteed controlled sharing. Emphasis is on software models and design, including discovery and prevention of computing systems security vulnerabilities. Current systems and methods are examined and critiqued. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5388. Advanced Computer Graphics.
A study of the algorithms and data structures used in representing and processing visual data. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5389. Graphical User Interfaces.
Covers both abstract and practical treatments of using graphics to implement interactive computer/human interfaces. Includes a survey of the major GUI standards and tools. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5391. Survey of Software Engineering.
A study of the software life cycle with emphasis on system analysis and design. Methodologies based on data flows and on objects will be surveyed. A component on professional ethics is included. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5392. Formal Methods in Software Engineering.
The use of design and specification languages in producing software systems. Emphasis is placed on proving correctness of designs and implementations. Prerequisites: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5393. Software Quality.
The latter half of the software life cycle is discussed. Topics include testing, performance evaluation, and software metrics. Appropriate software tools are studied and used. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5394. Advanced Software Engineering Project.
Students produce a software project of significant size in a team environment. All aspects of the software engineering course sequence are integrated and put into practice. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5395. Independent Study in Advanced Computer Science.
Open to graduate students on an independent basis by arrangement with the faculty member concerned. Course is not repeatable for credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5396. Advanced Software Engineering Processes and Methods.
The essentials of software engineering processes, methods, and tools for the evolutionary design of complex interactive software are discussed. Overviews of other topics like quality concepts, SEI CMM, information technology, and network technology are covered. Student completes a literature survey of the latest software engineering analysis and design processes, methods, and tools. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in CS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Computer Science (Thesis Science Minor Option)

Major Program

The Master of Science (M.S.) degree with a major in Computer Science is designed to prepare students for doctoral research, college teaching, careers in computer science and software engineering, and careers in digital forensics.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.
- resume/CV
- statement of purpose
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

***Additional Information**

Students admitted to the program will participate in a diagnostic interview with the graduate advisor. This interview will include a review of test scores, grades, and work history. In some cases, additional courses may be added to the degree program.

Degree Requirements

The Master of Science (M.S.) major in computer science requires 30 semester credit hours, including thesis.

Background

Students are required to fulfill background course work if they do not have adequate undergraduate computer science background. The background requirements may be reduced if evidence is presented which shows that the applicant has taken equivalent courses elsewhere prior to enrollment at Texas State. Background work must be completed before enrolling in graduate courses.

The minimum undergraduate background requirements for **computer science** majors are:

Code	Title	Hours
Computer Science [1]		
CS 1428	Foundations of Computer Science I	4
CS 2308	Foundations of Computer Science II	3
CS 2318	Assembly Language	3
CS 3339	Computer Architecture	3
CS 3358	Data Structures	3
CS 4318	Compiler Construction	3
or CS 4328	Operating Systems	
Advanced computer science electives (CS 3000-4000 level)		6
Mathematics [2]		
MATH 5358	Applied Discrete Mathematics (or equivalent)	3
Calculus		8

1 These courses must be completed with no grade less than "C" and no more than two "Cs."

2 These courses must be completed with no grade less than "C."

Course Requirements

Code	Title	Hours
Required Courses		
CS 5329	Algorithm Design and Analysis	3
CS 5346	Advanced Artificial Intelligence	3
or CS 5391	Survey of Software Engineering	
CS 5306	Advanced Operating Systems	3
or CS 5310	Network and Communication Systems	
or CS 5332	Data Base Theory and Design	
CS 5318	Design of Programming Languages	3
or CS 5338	Formal Languages	
or CS 5351	Parallel Processing	

Electives		
Choose 6 hours of advisor-approved electives		6
Minor		
Choose a 6-hour advisor-approved science minor		6
Thesis		
CS 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
CS 5199B	Thesis	
CS 5299B	Thesis	
CS 5399B	Thesis	
CS 5599B	Thesis	
CS 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's

progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Computer Science: CS

Courses Offered

Computer Science (CS)

CS 5100. Advanced Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department. Course cannot be counted toward any graduate degree, is open only to majors in the Department of Computer Science. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5300. Professional Development of Graduate Assistants.
This course is designed to develop and enhance the professional and technical skills of graduate teaching and instructional assistants. Topics covered may include, but are not limited to, teaching skills, technical skills, ethical and legal issues, and laboratory management. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5301. Programming Practicum.
Intensive review of programming through data structures. Includes syntax, semantics, problem solving, algorithm development, and in-class exercises. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 5302. Foundations of Data Structures and Algorithm Design.
This course serves as a foundation course for computer science master's degree students who need reinforcement of fundamental concepts covered by CS 3358. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5303. Foundations of Computer Architecture.
This foundation course for CS master's degree students who need CS 3339 concept reinforcement covers fundamental hardware components. Topics include ALUs, single and multiple cycle datapath and control, RISC vs. CISC, pipelining, caches, I/O, virtual memory, and related performance issues. It may be repeated once and is non-graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5305. Foundations of Operating Systems.
This foundation course is for CS master's students who need CS 4328 fundamental concept reinforcement. It covers the principles of operating systems, algorithms for CPU scheduling, memory management, cooperating sequential processes and device management. It may be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5306. Advanced Operating Systems.
A study of modern operating systems including network, distributed, or real-time systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5310. Network and Communication Systems.
A study of network and communication systems. Verification and/or implementation of protocols will be required. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5316. Data Mining.
This course covers fundamental concepts and techniques plus recent developments in data mining and information retrieval. It provides relevant research training and practice opportunities. May not be taken for credit if student received credit for CS 4315. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5318. Principles of Programming Languages.
This course focuses on the principles of programming languages. Topics covered include programming paradigms, concepts of programming languages, formal syntax and semantics, and language implementation issues. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5326. Advanced Studies in Human Factors of Computer Science.
Professional level presentation of techniques and research findings related to human-computer interactions. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5329. Algorithm Design and Analysis.
Introduction to algorithm design and analysis, computational complexity, NP – completeness theory. Prerequisites: CS 3358 and MATH 2472 and [MATH 3398 or MATH 5358] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5331. Crafting Compilers.
Overview of the internal structure of modern compilers. Research on compilation techniques. Topics include lexical scanning, parsing techniques, static type checking, code generation, dataflow analysis, storage management, and execution environments. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5332. Data Base Theory and Design.
Computer system organization for the management of data; data models, data model theory, optimization and normalization; integrity constraints; query languages; intelligent database systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5334. Advanced Internet Information Processing.
Integration of popular scripting languages (Perl, JavaScript, PHP, and other CGI capable languages) and database programming languages (embedded database programming languages, JavaServlets, and PHP) to provide advanced information processing for Internet applications that demand both database support and sophisticated, application specific information processing. Prerequisite: CS 4332 or CS 5332 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5335. Research in Object-Oriented System Development.
The course covers the object-oriented methodologies for system analysis, design, implementation, testing, and other aspects of system development. Emphasis will be on using OO methodologies to manage the complexity of complicated software. Other topics like modeling, OODB, and OO languages will also be covered. Prerequisites: CS 3358 and [CS 4332 or CS 5332] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5338. Formal Languages.
Advanced topics in automata theory, grammars, Turing machines, decidability, and algorithmic complexity. Prerequisites: CS 3358 and MATH 3398 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5341. Advanced Network Programming.
Study of advanced concepts and programming skills in computer networks such as advanced TCP/IP, API, multicasting and broadcasting, reliable communications, advanced I/O functions and options. Prerequisite: CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5343. Wireless Communications and Networks.
Study of the fundamental aspects of wireless communications and ireless/mobile networks, introduction of wireless/mobile networking APIs. Prerequisites: CS 3358 with a grade of "B" or better and CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5346. Advanced Artificial Intelligence.
Knowledge representation; knowledge engineering; parallel and distributed AI; heuristic searches; machine learning and intelligent databases; implementation of systems in high-level AI languages. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5351. Parallel Processing.
Introduction to the design and analysis of parallel algorithms, parallel architectures, and computers. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5352. Distributed Computing.
Study of advanced topics in distributed systems: concurrency control and failure recovery, management of replicated data, distributed consensus and fault tolerance, remote procedure calls, naming and security. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5369B. Computer Vision.
This course covers the basic and recent topics in computer vision. Topics include classic computer vision features, object tracking and recognition, detection and segmentation, camera models, and image and video retrieval. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369G. Web Service Engineering.
Advanced concepts and techniques for enabling Web application integration and interaction using Semantic Web and Web services. Concepts and techniques include service discovery ontology (RDF, DAML-S), XML-based interactions standards (ebXML, RossettaNet) and Web Services (WSDL, SOAP, UDDI, BPEL). Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369J. Advanced Human Computer Interaction.
This course will cover state of the art human computer interaction topics such as perceptual compression, eye-gaze, and brain computer interfaces with emphasis on the human visual system, eye-tracking, and electroencephalography. Prerequisite: CS 3358 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369L. Machine Learning and Applications.
Provides broad introduction to machine learning, including learning theory, and recent topics like support vector machines and feature selection. Covers basic ideas, intuition, and understanding behind modern machine learning methods. Discusses applications like face recognition, text recognition, biometrics, bioinformatics, and multimedia retrieval. Prerequisite: CS 3358 grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369M. Software Evolution and Maintenance.
Software evolution and maintenance is one of the most important and complex activities in software engineering. Programmers rarely build software from scratch but often modify existing software to fix defects or add new features. This course studies the fundamentals of cutting-edge techniques and tools for software evolution and maintenance. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Q. Recommender Systems.
This course covers various concepts of recommender systems, including personalization algorithms, evaluation tools, and user experiences. Discussion of how recommender systems are deployed in business applications, design of new recommender experiences, and how to conduct and evaluate research in recommender systems. Cannot take for credit if already took CS 4379Q. Prerequisite: CS 3358 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Y. Green Computing.
Reducing mobile device, cloud computing platform, and supercomputer energy consumption is a paramount, daunting problem. This course covers state-of-the-art green computing research, including energy-efficient hardware and software design, power-aware resource management and storage solutions, green data centers and mobile computing. Cannot be taken for credit if received CS 4379Y credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5375. Multimedia Computing.
A study of the digital representation and processing of major multimedia data types: image, audio, and video. Compression techniques for the three data types, standards, and storage media. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5376. Enterprise Application Integration.
Introduction to the integration of all services available on the Web. It emphasizes component-based integration frameworks based on J2EE specification (EJB, Servlets, JMS), inter-organization workflow integration frameworks, and XML framework. Students must have knowledge of object-oriented design, object-oriented programming language, databases, and networking. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5378. Advanced Computer Security.
This course covers various aspects of producing secure computer information systems that provide guaranteed controlled sharing. Emphasis is on software models and design, including discovery and prevention of computing systems security vulnerabilities. Current systems and methods are examined and critiqued. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5388. Advanced Computer Graphics.
A study of the algorithms and data structures used in representing and processing visual data. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5389. Graphical User Interfaces.
Covers both abstract and practical treatments of using graphics to implement interactive computer/human interfaces. Includes a survey of the major GUI standards and tools. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5391. Survey of Software Engineering.
A study of the software life cycle with emphasis on system analysis and design. Methodologies based on data flows and on objects will be surveyed. A component on professional ethics is included. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5392. Formal Methods in Software Engineering.
The use of design and specification languages in producing software systems. Emphasis is placed on proving correctness of designs and implementations. Prerequisites: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5393. Software Quality.
The latter half of the software life cycle is discussed. Topics include testing, performance evaluation, and software metrics. Appropriate software tools are studied and used. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5394. Advanced Software Engineering Project.
Students produce a software project of significant size in a team environment. All aspects of the software engineering course sequence are integrated and put into practice. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5395. Independent Study in Advanced Computer Science.
Open to graduate students on an independent basis by arrangement with the faculty member concerned. Course is not repeatable for credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5396. Advanced Software Engineering Processes and Methods.
The essentials of software engineering processes, methods, and tools for the evolutionary design of complex interactive software are discussed. Overviews of other topics like quality concepts, SEI CMM, information technology, and network technology are covered. Student completes a literature survey of the latest software engineering analysis and design processes, methods, and tools. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in CS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Software Engineering (Non-thesis Option)

Texas State's Department of Computer Science is known for cutting-edge curricula that closely track current developments in computing, a dedicated faculty and well-equipped, remotely accessible laboratory facilities. Combined, these elements provide students with hands-on experience while implementing classroom concepts, providing the specialized training graduates need to land the best jobs.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted

- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work*
- resume/CV
- statement of purpose
- three letters of recommendation
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

***Additional Information**

Students admitted to the program will participate in a diagnostic interview with the graduate advisor. This interview will include a review of test scores, grades, and work history. In some cases, additional courses may be added to the degree program.

Degree Requirements

The Master of Science (M.S.) degree with a major in Software Engineering requires 36 semester credit hours.

Background Requirements

Students are required to fulfill background course work if they do not have adequate undergraduate computer science background. The background requirements may be reduced if evidence is presented which shows that the applicant has taken equivalent courses elsewhere prior to enrollment at Texas State. Background work must be completed before enrolling in graduate courses.

The minimum undergraduate background requirements for computer science and software engineering majors are:

Code	Title	Hours
Computer Science [1]		
CS 1428	Foundations of Computer Science I	4
CS 2308	Foundations of Computer Science II	3
CS 2318	Assembly Language	3
CS 3339	Computer Architecture	3
CS 3358	Data Structures	3
CS 4318	Compiler Construction	3
or CS 4328	Operating Systems	
Advanced computer science electives (CS 3000-4000 level)		6
Mathematics [2]		
MATH 5358	Applied Discrete Mathematics (or equivalent)	3
Calculus		8
Total Hours		36

[1] These courses must be completed with no grade less than "C" and no more than two "Cs."

[2] These courses must be completed with no grade less than "C."

Course Requirements

Code	Title	Hours
Required Courses		
CS 5391	Survey of Software Engineering	3
CS 5392	Formal Methods in Software Engineering	3
CS 5393	Software Quality	3
CS 5394	Advanced Software Engineering Project	3
CS 5396	Advanced Software Engineering Processes and Methods	3
Choose 6 hours from the following:		6
CS 5306	Advanced Operating Systems	
CS 5310	Network and Communication Systems	
CS 5329	Algorithm Design and Analysis	
CS 5332	Data Base Theory and Design	
CS 5346	Advanced Artificial Intelligence	
Electives		
Choose 15 hours of advisor-approved electives		15
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Computer Science: CS

Courses Offered

Computer Science (CS)

CS 5100. Advanced Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department. Course cannot be counted toward any graduate degree, is open only to majors in the Department of Computer Science. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5300. Professional Development of Graduate Assistants.
This course is designed to develop and enhance the professional and technical skills of graduate teaching and instructional assistants. Topics covered may include, but are not limited to, teaching skills, technical skills, ethical and legal issues, and laboratory management. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5301. Programming Practicum.
Intensive review of programming through data structures. Includes syntax, semantics, problem solving, algorithm development, and in-class exercises. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 5302. Foundations of Data Structures and Algorithm Design.
This course serves as a foundation course for computer science master's degree students who need reinforcement of fundamental concepts covered by CS 3358. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5303. Foundations of Computer Architecture.
This foundation course for CS master's degree students who need CS 3339 concept reinforcement covers fundamental hardware components. Topics include ALUs, single and multiple cycle datapath and control, RISC vs. CISC, pipelining, caches, I/O, virtual memory, and related performance issues. It may be repeated once and is non-graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5305. Foundations of Operating Systems.
This foundation course is for CS master's students who need CS 4328 fundamental concept reinforcement. It covers the principles of operating systems, algorithms for CPU scheduling, memory management, cooperating sequential processes and device management. It may be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5306. Advanced Operating Systems.
A study of modern operating systems including network, distributed, or real-time systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5310. Network and Communication Systems.
A study of network and communication systems. Verification and/or implementation of protocols will be required. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5316. Data Mining.
This course covers fundamental concepts and techniques plus recent developments in data mining and information retrieval. It provides relevant research training and practice opportunities. May not be taken for credit if student received credit for CS 4315. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5318. Principles of Programming Languages.
This course focuses on the principles of programming languages. Topics covered include programming paradigms, concepts of programming languages, formal syntax and semantics, and language implementation issues. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5326. Advanced Studies in Human Factors of Computer Science.
Professional level presentation of techniques and research findings related to human-computer interactions. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5329. Algorithm Design and Analysis.
Introduction to algorithm design and analysis, computational complexity, NP – completeness theory. Prerequisites: CS 3358 and MATH 2472 and [MATH 3398 or MATH 5358] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5331. Crafting Compilers.
Overview of the internal structure of modern compilers. Research on compilation techniques. Topics include lexical scanning, parsing techniques, static type checking, code generation, dataflow analysis, storage management, and execution environments. Prerequisite: CS 3358 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5332. Data Base Theory and Design.
Computer system organization for the management of data; data models, data model theory, optimization and normalization; integrity constraints; query languages; intelligent database systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5334. Advanced Internet Information Processing.
Integration of popular scripting languages (Perl, JavaScript, PHP, and other CGI capable languages) and database programming languages (embedded database programming languages, JavaServlets, and PHP) to provide advanced information processing for Internet applications that demand both database support and sophisticated, application specific information processing. Prerequisite: CS 4332 or CS 5332 either with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5335. Research in Object-Oriented System Development.
The course covers the object-oriented methodologies for system analysis, design, implementation, testing, and other aspects of system development. Emphasis will be on using OO methodologies to manage the complexity of complicated software. Other topics like modeling, OODB, and OO languages will also be covered. Prerequisites: CS 3358 and [CS 4332 or CS 5332] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5338. Formal Languages.
Advanced topics in automata theory, grammars, Turing machines, decidability, and algorithmic complexity. Prerequisites: CS 3358 and MATH 3398 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5341. Advanced Network Programming.
Study of advanced concepts and programming skills in computer networks such as advanced TCP/IP, API, multicasting and broadcasting, reliable communications, advanced I/O functions and options. Prerequisite: CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5343. Wireless Communications and Networks.
Study of the fundamental aspects of wireless communications and ireless/mobile networks, introduction of wireless/mobile networking APIs. Prerequisites: CS 3358 with a grade of "B" or better and CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5346. Advanced Artificial Intelligence.
Knowledge representation; knowledge engineering; parallel and distributed AI; heuristic searches; machine learning and intelligent databases; implementation of systems in high-level AI languages. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5351. Parallel Processing.
Introduction to the design and analysis of parallel algorithms, parallel architectures, and computers. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5352. Distributed Computing.
Study of advanced topics in distributed systems: concurrency control and failure recovery, management of replicated data, distributed consensus and fault tolerance, remote procedure calls, naming and security. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5369B. Computer Vision.
This course covers the basic and recent topics in computer vision. Topics include classic computer vision features, object tracking and recognition, detection and segmentation, camera models, and image and video retrieval. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369G. Web Service Engineering.
Advanced concepts and techniques for enabling Web application integration and interaction using Semantic Web and Web services. Concepts and techniques include service discovery ontology (RDF, DAML-S), XML-based interactions standards (ebXML, RossettaNet) and Web Services (WSDL, SOAP, UDDI, BPEL). Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369J. Advanced Human Computer Interaction.
This course will cover state of the art human computer interaction topics such as perceptual compression, eye-gaze, and brain computer interfaces with emphasis on the human visual system, eye-tracking, and electroencephalography. Prerequisite: CS 3358 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369L. Machine Learning and Applications.
Provides broad introduction to machine learning, including learning theory, and recent topics like support vector machines and feature selection. Covers basic ideas, intuition, and understanding behind modern machine learning methods. Discusses applications like face recognition, text recognition, biometrics, bioinformatics, and multimedia retrieval. Prerequisite: CS 3358 grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369M. Software Evolution and Maintenance.
Software evolution and maintenance is one of the most important and complex activities in software engineering. Programmers rarely build software from scratch but often modify existing software to fix defects or add new features. This course studies the fundamentals of cutting-edge techniques and tools for software evolution and maintenance. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Q. Recommender Systems.
This course covers various concepts of recommender systems, including personalization algorithms, evaluation tools, and user experiences. Discussion of how recommender systems are deployed in business applications, design of new recommender experiences, and how to conduct and evaluate research in recommender systems. Cannot take for credit if already took CS 4379Q. Prerequisite: CS 3358 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Y. Green Computing.
Reducing mobile device, cloud computing platform, and supercomputer energy consumption is a paramount, daunting problem. This course covers state-of-the-art green computing research, including energy-efficient hardware and software design, power-aware resource management and storage solutions, green data centers and mobile computing. Cannot be taken for credit if received CS 4379Y credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5375. Multimedia Computing.
A study of the digital representation and processing of major multimedia data types: image, audio, and video. Compression techniques for the three data types, standards, and storage media. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5376. Enterprise Application Integration.
Introduction to the integration of all services available on the Web. It emphasizes component-based integration frameworks based on J2EE specification (EJB, Servlets, JMS), inter-organization workflow integration frameworks, and XML framework. Students must have knowledge of object-oriented design, object-oriented programming language, databases, and networking. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5378. Advanced Computer Security.
This course covers various aspects of producing secure computer information systems that provide guaranteed controlled sharing. Emphasis is on software models and design, including discovery and prevention of computing systems security vulnerabilities. Current systems and methods are examined and critiqued. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5388. Advanced Computer Graphics.
A study of the algorithms and data structures used in representing and processing visual data. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5389. Graphical User Interfaces.
Covers both abstract and practical treatments of using graphics to implement interactive computer/human interfaces. Includes a survey of the major GUI standards and tools. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5391. Survey of Software Engineering.
A study of the software life cycle with emphasis on system analysis and design. Methodologies based on data flows and on objects will be surveyed. A component on professional ethics is included. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5392. Formal Methods in Software Engineering.
The use of design and specification languages in producing software systems. Emphasis is placed on proving correctness of designs and implementations. Prerequisites: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5393. Software Quality.
The latter half of the software life cycle is discussed. Topics include testing, performance evaluation, and software metrics. Appropriate software tools are studied and used. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5394. Advanced Software Engineering Project.
Students produce a software project of significant size in a team environment. All aspects of the software engineering course sequence are integrated and put into practice. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5395. Independent Study in Advanced Computer Science.
Open to graduate students on an independent basis by arrangement with the faculty member concerned. Course is not repeatable for credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5396. Advanced Software Engineering Processes and Methods.
The essentials of software engineering processes, methods, and tools for the evolutionary design of complex interactive software are discussed. Overviews of other topics like quality concepts, SEI CMM, information technology, and network technology are covered. Student completes a literature survey of the latest software engineering analysis and design processes, methods, and tools. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in CS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Software Engineering (Thesis Option)

Texas State's Department of Computer Science is known for cutting-edge curricula that closely track current developments in computing, a dedicated faculty and well-equipped, remotely accessible laboratory facilities. Combined, these elements provide students with hands-on experience while implementing classroom concepts, providing the specialized training graduates need to land the best jobs.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work
- resume/CV
- statement of purpose
- three letters of recommendation
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
  - The GRE may be waived if the student holds a master's or doctoral degree from a regionally accredited U.S. institution. If the student holds a master's or doctoral degree (or the equivalent thereof) from an accredited international institution, the GRE may be waived on an individual basis.

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

The student may qualify for English-based conditional admission if the minimum scores below are met:

- official TOEFL iBT scores required with a 59 overall
- official IELTS (academic) scores required with a 5.5 overall and
  - minimum individual module scores of 5.5

***Additional Information**

Students admitted to the program will participate in a diagnostic interview with the graduate advisor. This interview will include a review of test scores, grades, and work history. In some cases, additional courses may be added to the degree program.

Degree Requirements

The Master of Science (M.S.) degree with a major in Software Engineering requires 30 semester credit hours, including a thesis.

Background Requirements

Students are required to fulfill background course work if they do not have adequate undergraduate computer science background. The background requirements may be reduced if evidence is presented which shows that the applicant has taken equivalent courses elsewhere prior to enrollment at Texas State. Background work must be completed before enrolling in graduate courses.

The minimum undergraduate background requirements for computer science and software engineering majors are:

Code	Title	Hours
Computer Science [1]		
CS 1428	Foundations of Computer Science I	4
CS 2308	Foundations of Computer Science II	3
CS 2318	Assembly Language	3
CS 3339	Computer Architecture	3
CS 3358	Data Structures	3
CS 4318	Compiler Construction	3
or CS 4328	Operating Systems	
Advanced computer science electives (CS 3000-4000 level)		6
Mathematics [2]		
MATH 5358	Applied Discrete Mathematics (or equivalent)	3
Calculus		8
Total Hours		36

[1] These courses must be completed with no grade less than "C" and no more than two "Cs."

[2] These courses must be completed with no grade less than “C.”

Course Requirements

Code	Title	Hours
Required Courses		
CS 5391	Survey of Software Engineering	3
CS 5392	Formal Methods in Software Engineering	3
CS 5393	Software Quality	3
CS 5396	Advanced Software Engineering Processes and Methods	3
Choose 6 hours from the following:		6
CS 5306	Advanced Operating Systems	
CS 5310	Network and Communication Systems	
CS 5329	Algorithm Design and Analysis	
CS 5332	Data Base Theory and Design	
CS 5346	Advanced Artificial Intelligence	
Electives		
Choose 6 hours of advisor-approved electives		6
Thesis		
CS 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
CS 5199B	Thesis	
CS 5299B	Thesis	
CS 5399B	Thesis	
CS 5599B	Thesis	
CS 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student’s capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members’ signatures, the graduate advisor’s signature if required by the program and the department chair’s signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student’s enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making

adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Computer Science: CS

Courses Offered

Computer Science (CS)

CS 5100. Advanced Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department. Course cannot be counted toward any graduate degree, is open only to majors in the Department of Computer Science. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5300. Professional Development of Graduate Assistants.
This course is designed to develop and enhance the professional and technical skills of graduate teaching and instructional assistants. Topics covered may include, but are not limited to, teaching skills, technical skills, ethical and legal issues, and laboratory management. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5301. Programming Practicum.
Intensive review of programming through data structures. Includes syntax, semantics, problem solving, algorithm development, and in-class exercises. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 5302. Foundations of Data Structures and Algorithm Design.
This course serves as a foundation course for computer science master's degree students who need reinforcement of fundamental concepts covered by CS 3358. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5303. Foundations of Computer Architecture.
This foundation course for CS master's degree students who need CS 3339 concept reinforcement covers fundamental hardware components. Topics include ALUs, single and multiple cycle datapath and control, RISC vs. CISC, pipelining, caches, I/O, virtual memory, and related performance issues. It may be repeated once and is non-graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5305. Foundations of Operating Systems.
This foundation course is for CS master's students who need CS 4328 fundamental concept reinforcement. It covers the principles of operating systems, algorithms for CPU scheduling, memory management, cooperating sequential processes and device management. It may be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5306. Advanced Operating Systems.
A study of modern operating systems including network, distributed, or real-time systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5310. Network and Communication Systems.
A study of network and communication systems. Verification and/or implementation of protocols will be required. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5316. Data Mining.
This course covers fundamental concepts and techniques plus recent developments in data mining and information retrieval. It provides relevant research training and practice opportunities. May not be taken for credit if student received credit for CS 4315. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5318. Principles of Programming Languages.
This course focuses on the principles of programming languages. Topics covered include programming paradigms, concepts of programming languages, formal syntax and semantics, and language implementation issues. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5326. Advanced Studies in Human Factors of Computer Science.
Professional level presentation of techniques and research findings related to human-computer interactions. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5329. Algorithm Design and Analysis.
Introduction to algorithm design and analysis, computational complexity, NP – completeness theory. Prerequisites: CS 3358 and MATH 2472 and [MATH 3398 or MATH 5358] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5331. Crafting Compilers.
Overview of the internal structure of modern compilers. Research on compilation techniques. Topics include lexical scanning, parsing techniques, static type checking, code generation, dataflow analysis, storage management, and execution environments. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5332. Data Base Theory and Design.
Computer system organization for the management of data; data models, data model theory, optimization and normalization; integrity constraints; query languages; intelligent database systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5334. Advanced Internet Information Processing.
Integration of popular scripting languages (Perl, JavaScript, PHP, and other CGI capable languages) and database programming languages (embedded database programming languages, JavaServlets, and PHP) to provide advanced information processing for Internet applications that demand both database support and sophisticated, application specific information processing. Prerequisite: CS 4332 or CS 5332 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5335. Research in Object-Oriented System Development.
The course covers the object-oriented methodologies for system analysis, design, implementation, testing, and other aspects of system development. Emphasis will be on using OO methodologies to manage the complexity of complicated software. Other topics like modeling, OODB, and OO languages will also be covered. Prerequisites: CS 3358 and [CS 4332 or CS 5332] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5338. Formal Languages.
Advanced topics in automata theory, grammars, Turing machines, decidability, and algorithmic complexity. Prerequisites: CS 3358 and MATH 3398 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5341. Advanced Network Programming.
Study of advanced concepts and programming skills in computer networks such as advanced TCP/IP, API, multicasting and broadcasting, reliable communications, advanced I/O functions and options. Prerequisite: CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5343. Wireless Communications and Networks.
Study of the fundamental aspects of wireless communications and ireless/mobile networks, introduction of wireless/mobile networking APIs. Prerequisites: CS 3358 with a grade of "B" or better and CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5346. Advanced Artificial Intelligence.
Knowledge representation; knowledge engineering; parallel and distributed AI; heuristic searches; machine learning and intelligent databases; implementation of systems in high-level AI languages. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5351. Parallel Processing.
Introduction to the design and analysis of parallel algorithms, parallel architectures, and computers. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5352. Distributed Computing.
Study of advanced topics in distributed systems: concurrency control and failure recovery, management of replicated data, distributed consensus and fault tolerance, remote procedure calls, naming and security. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5369B. Computer Vision.
This course covers the basic and recent topics in computer vision. Topics include classic computer vision features, object tracking and recognition, detection and segmentation, camera models, and image and video retrieval. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369G. Web Service Engineering.
Advanced concepts and techniques for enabling Web application integration and interaction using Semantic Web and Web services. Concepts and techniques include service discovery ontology (RDF, DAML-S), XML-based interactions standards (ebXML, RossettaNet) and Web Services (WSDL, SOAP, UDDI, BPEL). Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369J. Advanced Human Computer Interaction.
This course will cover state of the art human computer interaction topics such as perceptual compression, eye-gaze, and brain computer interfaces with emphasis on the human visual system, eye-tracking, and electroencephalography. Prerequisite: CS 3358 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369L. Machine Learning and Applications.
Provides broad introduction to machine learning, including learning theory, and recent topics like support vector machines and feature selection. Covers basic ideas, intuition, and understanding behind modern machine learning methods. Discusses applications like face recognition, text recognition, biometrics, bioinformatics, and multimedia retrieval. Prerequisite: CS 3358 grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369M. Software Evolution and Maintenance.
Software evolution and maintenance is one of the most important and complex activities in software engineering. Programmers rarely build software from scratch but often modify existing software to fix defects or add new features. This course studies the fundamentals of cutting-edge techniques and tools for software evolution and maintenance. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Q. Recommender Systems.
This course covers various concepts of recommender systems, including personalization algorithms, evaluation tools, and user experiences. Discussion of how recommender systems are deployed in business applications, design of new recommender experiences, and how to conduct and evaluate research in recommender systems. Cannot take for credit if already took CS 4379Q. Prerequisite: CS 3358 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Y. Green Computing.
Reducing mobile device, cloud computing platform, and supercomputer energy consumption is a paramount, daunting problem. This course covers state-of-the-art green computing research, including energy-efficient hardware and software design, power-aware resource management and storage solutions, green data centers and mobile computing. Cannot be taken for credit if received CS 4379Y credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5375. Multimedia Computing.
A study of the digital representation and processing of major multimedia data types: image, audio, and video. Compression techniques for the three data types, standards, and storage media. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5376. Enterprise Application Integration.
Introduction to the integration of all services available on the Web. It emphasizes component-based integration frameworks based on J2EE specification (EJB, Servlets, JMS), inter-organization workflow integration frameworks, and XML framework. Students must have knowledge of object-oriented design, object-oriented programming language, databases, and networking. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5378. Advanced Computer Security.
This course covers various aspects of producing secure computer information systems that provide guaranteed controlled sharing. Emphasis is on software models and design, including discovery and prevention of computing systems security vulnerabilities. Current systems and methods are examined and critiqued. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5388. Advanced Computer Graphics.
A study of the algorithms and data structures used in representing and processing visual data. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5389. Graphical User Interfaces.
Covers both abstract and practical treatments of using graphics to implement interactive computer/human interfaces. Includes a survey of the major GUI standards and tools. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5391. Survey of Software Engineering.
A study of the software life cycle with emphasis on system analysis and design. Methodologies based on data flows and on objects will be surveyed. A component on professional ethics is included. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5392. Formal Methods in Software Engineering.
The use of design and specification languages in producing software systems. Emphasis is placed on proving correctness of designs and implementations. Prerequisites: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5393. Software Quality.
The latter half of the software life cycle is discussed. Topics include testing, performance evaluation, and software metrics. Appropriate software tools are studied and used. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5394. Advanced Software Engineering Project.
Students produce a software project of significant size in a team environment. All aspects of the software engineering course sequence are integrated and put into practice. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5395. Independent Study in Advanced Computer Science.
Open to graduate students on an independent basis by arrangement with the faculty member concerned. Course is not repeatable for credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5396. Advanced Software Engineering Processes and Methods.
The essentials of software engineering processes, methods, and tools for the evolutionary design of complex interactive software are discussed. Overviews of other topics like quality concepts, SEI CMM, information technology, and network technology are covered. Student completes a literature survey of the latest software engineering analysis and design processes, methods, and tools. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in CS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Minor in Computer Science

The graduate minor in Computer Science requires 6 semester credit hours of advisor-approved courses for thesis students or 9 hours for non-thesis students.

Minor in Software Engineering

A graduate minor in Software Engineering requires 6-9 semester credit hours:

Thesis Majors

Code	Title	Hours
CS 5391	Survey of Software Engineering	3
CS 5392	Formal Methods in Software Engineering	3
or CS 5393	Software Quality	
Total Hours		6

Non-thesis Majors

Code	Title	Hours
CS 5391	Survey of Software Engineering	3
CS 5392	Formal Methods in Software Engineering	3
CS 5393	Software Quality	3
Total Hours		9

Ingram School of Engineering

Roy F. Mitte Building Room 5200
Telephone: 512-245-1826 Fax: 512-245-7771
http://www.engineering.txstate.edu/

Mission

1. To provide students with an exceptional education in various disciplines of engineering,
2. To help students achieve excellence in graduate studies and research through dedicated faculty and nationally recognized research program, and
3. To serve the State of Texas and the nation by creating highly skilled, diverse, and motivated professionals capable of technological innovation and dedicated to the improvement of society.

Vision

The Ingram School of Engineering will be a nationally recognized institution of higher education, serving students and employers with a complete set of accredited engineering programs supported by a faculty which maintains high standards of teaching, research, and service. To accomplish this vision, we will:

- Engage undergraduate and graduate students with innovative, multidisciplinary, and nationally recognized funded research programs.
- Emphasize quality undergraduate and graduate education using a practical, interactive, and contemporary learning environment.
- Promote a student-centered culture based on collegiality, scholarship, enthusiasm, integrity, and mutual respect among diverse faculty, staff, and students.

Financial Assistance

Graduate Instructional and Research Assistantships

A limited number of paid graduate assistantships are available. Research assistants work with faculty on research and other special projects. Instructional assistants work with undergraduates in grading and inlaboratory settings. Contact the program's graduate advisor for details and application instructions.

Ingram Graduate Scholarships

The Ingram School of Engineering offers a limited number of the Ingram Graduate Scholarships to highly qualified applicants joining the "Master of Science, Major in Engineering" graduate program. This scholarship is available for newly-admitted students only, with preference given to U.S. citizens or permanent resident aliens. Scholarships are awarded for the academic year and disbursed on a per-semester basis. For more information, visit the MS Engineering website http://www.engineering.txstate.edu/Programs/Graduate.html.

Graduate College Scholarships and Fellowships

For more information about scholarships, fellowships, financial aid and application deadlines, visit The Graduate College website at http://www.gradcollege.txstate.edu/ and click on the *Funding* tab.

Master of Science (M.S.)

- Major in Engineering (Civil Engineering Project Option) (p. 2494)
- Major in Engineering (Civil Engineering Thesis Option) (p. 2501)
- Major in Engineering (Electrical Engineering Project Option) (p. 2509)
- Major in Engineering (Electrical Engineering (p. 2517) Thesis Option) (p. 2517)
- Major in Engineering (Industrial Engineering Project Option) (p. 2526)
- Major in Engineering (Industrial Engineering Thesis Option) (p. 2534)
- Major in Engineering (Mechanical and Manufacturing Engineering Project Option) (p. 2543)
- Major in Engineering (Mechanical and Manufacturing Engineering Thesis Option) (p. 2551)

Master of Science (M.S.) Major in Engineering (Civil Engineering Project Option)

Major Program

The Master of Science (M.S.) degree with a major in Engineering provides a practical, industry-driven focus via a long-term, targeted technical project or thesis related to real-world engineering applications. These projects will be conducted in partnership with local industries and may involve off-campus collaborations. The degree requires a large-scale project or thesis because the abilities to solve problems, innovate and make immediate contributions to industry are best developed by having students confront a large, open-ended problem; perform detailed research on the problem; develop various solutions; choose and implement the best solution; validate their choice; and effectively communicate the process to professional colleagues, executives, and customers.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree engineering, computer science, physics, technology, or a closely related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV detailing prior work experience, research experience, awards, scholarships, and other related qualifications
- statement of purpose (two pages) conveying research interests, plans for graduate study, and professional aspirations
- two letters of recommendation from non-related individuals familiar with the student's scholarly work and/or relevant work experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree in Engineering concentration in Civil Engineering requires 34 semester credit hours, including a project.

Non-credit (leveling) coursework may be required prior to admission into the program if you lack sufficient background course work. Any required leveling course work must be completed with grades of B or better prior to admission.

All students will have a faculty advisor and a graduate committee composed of a minimum of three graduate faculty members (including the faculty advisor). The faculty advisor will provide technical direction for the student's project, and the graduate committee will be responsible for approving the project proposal, receiving project progress reports, and approving the final project presentation and written report. Oral project presentation will serve as the comprehensive examination.

Course Requirements

Code	Title	Hours
Required Courses		
ENGR 5100	Seminar in Engineering	1
ENGR 5310	Probability, Random Variables, & Stochastic Processes for Engineers	3
CE 5370	Urban Stormwater Management	3
CE 5390	Infrastructure Systems Analysis	3
Electives		
Choose 9 hours from the following:		9
CE 5320	Water Quality Management	
CE 5350	Highway Bridge Design	
CE 5360	Pavement Design	
EE 5323	Digital Image Processing	
EE 5320	Advanced Computer Architecture and Arithmetic	
EE 5330	Embedded and Real-Time Computing	
EE 5350	Advanced Electronic Circuit Design	
EE 5355	Electronic Materials and Devices	
EE 5360	Thin Film Technology	
EE 5372	Advanced Networking	
EE 5374	Introduction to Wireless Communication	
EE 5377	Statistical Signal Processing	
EE 5385	Optoelectronic Devices	
EE 5398A	Antenna Theory, Design and Applications	
EE 5398B	Electronic Materials and Beyond for Sustainable Energy	
EE 5398C	Multimedia Signal Processing	
EE 5398D	Electroceramics	
ENGR 5384	Problems in Engineering	
IE 5310	Advanced Statistical Design of Experiments for Engineers	
IE 5320	Modeling and Analysis of Manufacturing Systems	
IE 5330	Advanced Quality Control and Reliability Engineering	
IE 5340	Applied Deterministic Operations Research for Engineers	
IE 5343	Non-Linear Optimization Techniques for Engineers	

IE 5345	Advanced Optimization	
IE 5347	Modern Heuristic Optimization	
IE 5397	System Thinking and Analysis	
IE 5398A	Healthcare Systems Engineering	
IE 5398B	Response Surface Methodologies	
MFGE 5316	Advanced Computer Aided Design and Manufacturing	
IE 5398C	Data-Intensive Analysis and Simulation for Engineers	
MFGE 5318	Reverse Engineering and Freeform Fabrication	
MFGE 5320	Polymer Nanocomposites	
MFGE 5326	Advanced Robotics in Manufacturing Automation	
MFGE 5328	Advanced Control Techniques	
MFGE 5398A	Multiscale Manufacturing	
MFGE 5398B	Advanced Composite Materials	
Multidisciplinary Electives		
Choose 9 hours from the following:		9
Business Administration		
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368E	Environmental Law and Policy	
CIS 5358	Agile Project Management For Business Professionals	
CIS 5364	Data Warehousing	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
MGT 5311	Process Improvement Management in Organizations	
MGT 5315	New Venture Management	
MGT 5321	Supply Chain Management	
MGT 5390	Business Research Methods	
QMST 5335	Forecasting and Simulation	
Industrial Technology		
TECH 5315	Engineering Economic Analysis	
TECH 5382	Sustainability in Industrial Management	
TECH 5390	Research in Technology	
TECH 5392	Fundamentals of Microelectronics Manufacturing	
Computer Science		
CS 5306	Advanced Operating Systems	
CS 5346	Advanced Artificial Intelligence	
CS 5369L	Machine Learning and Applications	
Geography		
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	
GEO 5334	Applied Water Resources	
GEO 5336	Transportation Systems	
GEO 5351	Regional Waste Management	
GEO 5352	Air Quality Management	
GEO 5393D	Water Resource Planning	
Mathematics		
MATH 5315	Mathematical Statistics	
MATH 5340	Scientific Computation	
MATH 5345	Regression Analysis	
MATH 5388	Discrete Mathematics	
MATH 5376A	Design and Analysis of Experiments	
MATH 5376B	Analysis of Variance	
MATH 5376C	Survival Analysis	
Physics		
PHYS 5326	Electrical Characterization of Materials and Devices	
PHYS 5327	Semiconductor Device Physics	
Materials Science, Engineering and Commercialization		
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship	
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship	
MSEC 7310	Nanoscale Systems and Devices	
MSEC 7311	Materials Characterization	
MSEC 7340	Biomaterials and Biosensors	
Project		
ENGR 5398A	Project	3
Choose a minimum of 3 hours from the following:		3
ENGR 5198B	Project	
ENGR 5298B	Project	
ENGR 5398B	Project	
ENGR 5598B	Project	
ENGR 5998B	Project	
Total Hours		34

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the project option for the degree, a committee to direct the project activity will be established. The project outcomes and deliverables will be specified by the project committee, and will include a written project report (similar in depth to a research thesis). In addition to demonstrating the student's capability for topical research and/or technical development, the project must also demonstrate the student's capability for independent thought and ability to completely resolve an unstructured technical problem. The structure and format of the project report will be specified by the project committee and may leverage portions of the Graduate College's Guide to Preparing and Submitting a Thesis or Dissertation. However, the project report will not be submitted to The Graduate College for publication and dissemination.

Project Proposal

The student must submit an official Master's Project Proposal form to their project committee. The required project proposal form may be obtained from the program's website http://www.engineering.txstate.edu/Programs/Graduate.html. After signing the form and obtaining committee members' signatures and graduate advisor's signature the student must submit the project proposal form with one copy of the proposal attached to the Director of the Ingram School of Engineering for approval before proceeding with project activity. If the project activity involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to the Ingram School. If the project activity involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended the

project proposal form be submitted to the Director of the Ingram School by the end of the student's enrollment in ENGR 5398A.

Project Committee

The project committee must be composed of a minimum of three approved graduate faculty members. The chair of the project committee and at least one other committee member must be Ingram School faculty. The committee may contain additional members from industry sponsors or agencies, at the request of the sponsor or the preference of the committee chair.

Project Enrollment and Credit

The completion of a minimum of six hours of project enrollment is required. Students will enroll in ENGR 5398A for initial project activity and ENGR 5x98B for subsequent project activity. Preliminary discussions regarding the selection of a topic and assignment to a project supervisor are required prior to enrollment for ENGR 5398A.

A student will be required to enroll in and pay the fee for at least one hour of the project course during any term in which the student will receive project supervision or guidance and/or in which the student is using university resources. Failure to register for the appropriate project course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in ENGR 5398A, the student will continue to enroll in ENGR 5x98B until the project is successfully completed, as specified by the project committee. In the rare case when a student has not previously enrolled in ENGR 5398A and plans to work on and complete the project in one term, the student may enroll concurrently in both 5398A and 5398B. The only grades assigned for project courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a project course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the project is completed. The minimum number of hours of project credit ("CR") will be awarded only after the project report is approved by the project committee, and has been submitted to and approved by the Ingram School of Engineering. A student who has selected the project option must be registered for the appropriate project course during the term or Summer I (during summer the project course runs ten weeks for both sessions) in which the degree will be conferred.

Project Deadlines and Approval Process

Project deadlines are the same as the thesis deadlines posted at the following web page: http://www.gradcollege.txstate.edu/Thes-Diss_Info/T-D_Deadlines.html. The completed project report must be submitted to the chair of the project committee no later than 41 days before the date of the commencement at which the degree is to be conferred.

The following must be submitted to the office of Ingram School no later than 24 days, not counting weekends or holidays, before the date of commencement at which the degree is to be conferred (see The Graduate College webpage for specific deadlines):

1. The Project Committee Approval form bearing original signatures of the student and all committee members.
2. One (1) copy of the project report in final form, approved by all committee members, on standard paper (Hard-copy Submission Option) **or** PDF of the project report in final form, approved by all committee members, submitted to the Ingram School of Engineering.

After the Director of the Ingram School approves the project report, the student may take personal copies to the Alkek Library and pay the binding fee for personal use.

Master's level courses in Engineering: ENGR (p.), CE (p.), EE (p.), IE (p.), MFGE (p.)

Courses Offered

Engineering (ENGR)

ENGR 5100. Seminar in Engineering.
Graduate students attend seminars by invited speakers presenting relevant topics in academia and industry. The schedule of speakers will be developed each semester with strict faculty supervision. This course may only be taken for credit one time.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5101. Academic Instruction for Engineering Graduate Assistants.
This course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENGR 5105. Engineering Internship.
This course is a faculty-supervised, experiential, work-integrated learning course intended to help the student acquire engineering curriculum-related industrial experience and hence successfully make the transition into the workforce. Course cannot be counted toward graduation. Course may be repeated once. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5198B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5298B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5310. Probability, Random Variables, & Stochastic Processes for Engineers.
This course develops theory underlying analysis and design of systems. Fundamental distributional concepts, applications of statistical methods, and theory of stochastic processes are introduced to create a foundation for mathematical analysis of physical systems involving randomness. Applications to engineering topics are taught, including estimation, control, and systems theory. Prerequisite: IE 3320 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 5384. Problems in Engineering.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. This course may be repeated once for additional credit with permission of the School Director. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENGR 5398A. Project.
This course represents a student's initial project enrollment. No project credit is awarded until the student has completed the project in ENGR 5x98B. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5398B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the theses is completed in ENGR 5x99B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5598B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5998B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Civil Engineering (CE)

CE 5320. Water Quality Management.
This course is an advanced study of the processes used to monitor, measure, and manage water quality for municipal, commercial, or industrial use. The use of technology to enhance water quality management processes is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5321. Transport and Fate of Contaminants.
This course is a study of the transport and fate of contaminants in surface water, sub-surface water, and the atmosphere. Use of technology to monitor the transport and fate of contaminants is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5340. Advanced Infrastructure Materials.
This course is an advanced study of materials used in the construction of infrastructure assets. Topics include high-performance materials, nano-materials, and advanced material testing techniques. Use of technology to monitor in-situ performance of a material is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5350. Highway Bridge Design.
This course covers the design of highway bridge structures, including both the super- and sub-structure. Design is in accordance with current Federal Highway Administration (FHWA) specifications. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5360. Pavement Design.
This course covers the design of concrete, asphalt, and pervious pavements. Included are highway pavements, urban streets, airport pavements, industrial pavements, and roller compacted concrete. Design is in accordance with current FHWA specifications. Common construction methods are also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5370. Urban Stormwater Management.
This course examines the planning, design, operation, and maintenance of urban stormwater management systems. Political, social, economic, and environmental influences on such systems are examined. The impact of extreme events on stormwater systems and the urban landscape are also considered. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5372. Open Channel Flow.
This course is an advanced study of uniform, gradually varying, and rapid varying water flow in both natural and engineered open channels. The use of technology to monitor and maintain open channel structures is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5390. Infrastructure Systems Analysis.
This course is an advanced study of the planning, operation, and maintenance of municipal and commercial infrastructure assets. Political, social, economic, environmental, and engineering influences on infrastructure systems are addressed. Use of technology to enhance the safety and economic value of the infrastructure is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5391. Advanced Mechanics of Materials.
This course is an advanced study of stress, strain, and deformation in elastic bodies. Topics covered include torsion, unsymmetrical bending, nonlinear beams, stress concentrations, beams on elastic foundations, Mohr's circle, and an introduction to the theory of elasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Electrical Engineering (EE)

EE 5320. Advanced Computer Architecture and Arithmetic.
This course teaches design and analysis of high-performance computer systems, focusing on quantitative analysis of the latest processors and compilers. Current processor architectures are surveyed for system design. Topics include instruction sets, parallelizing architectures, pipelining, I/O, memory and cache organization, parallel/vector processing, fast arithmetic units design, and implementation using HDL. Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5321. Computer-Aided Engineering Simulations on HPC Systems.
This course covers development of simulations for engineering applications that are solved using High Performance Computing (HPC) environments. Topics include programming techniques for multicore processors, processor and memory architecture, computation for dense and spare linear algebra applications, computational temperature analysis, fluid dynamics, stencil and stochastic algorithms, and other applications. Prerequisite: EE 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5323. Digital Image Processing.
This course provides the necessary fundamental techniques to analyze and process digital images. It covers principles, concepts, and techniques of digital image processing and computer vision. Restricted to students enrolled in the MS Engineering program. Prerequisite: EE 3420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5330. Embedded and Real-Time Computing.
This course teaches development of embedded computing systems with strong resource constraints. Key concepts include managing constrained memory and processing speed limitations, and programming for soft and hard real-time constraints. Students will learn use of a Real-Time Operating System (RTOS). Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5331. Machine Learning for Engineering Applications.
This course covers an introduction to machine learning focused on deep learning techniques using engineering applications with Python. Topics include model characteristics, neural network theory, classifiers for network and signal processing applications, regression and convolutional modeling for object-detection, time-series and forecasting machine learning models for Smart City concepts. Prerequisite: ENGR 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5350. Advanced Electronic Circuit Design.
This course includes low and high power RF amplifier design techniques, oscillators, FM demodulators, limiters, and mixer design. Additional topics include circuit design to minimize intermodulation and other forms of distortion, and RD and high-speed analog circuits with emphasis on digital-friendly applications. Prerequisite: EE 4350 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5353. Fundamentals of Advanced Semiconductor Technology.
In this course students will learn key concepts and trends of advanced semiconductor device technology. Topics include Moore's law, MOSFET, CMOS and scaling, high-K gate dielectrics, new channel materials replacing silicon, three dimensional and compound semiconductor device structures. In addition students will be involved in laboratories and seminar presentations. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5354. Flexible Electronics.
This course will cover the materials systems, processes, device physics and applications of flexible electronics. The materials range from amorphous and nanocrystalline silicon, organic and polymeric semiconductors to solution cast films of carbon nanotubes. Real device discussions include high speed transistors, photovoltaics, flexible flat-panel displays, medical image sensors, etc. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5355. Electronic Materials and Devices.
This course covers theoretical concepts applicable to the understanding of unique properties exhibited by electronic materials, especially by dielectrics, oxide semiconductors, ferroelectrics, pyroelectrics, piezoelectrics, magnetic, and multifunctional and multiferroic materials. The various microelectronic devices and modern novel technologies based on these materials are emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5360. Thin Film Technology.
This course covers the theoretical and practical aspects of thin film technology in modern devices. The design and fabrication of thin film heterostructures is discussed. Growth and nucleation of epitaxial thin films with diverse properties and devices with combined properties will be emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5372. Advanced Networking.
This course develops important theoretical and application topics related to advanced networking. Theoretical topics are introduced using mathematical treatments, including queuing theory and some random processes. The course includes applications of these topics to communications networks, and focuses on architectures, applications and technologies which affect modern computer and data networks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5374. Introduction to Wireless Communication.
This course teaches principles and practices in designing and analyzing cellular and other wireless communication systems. Topics include RF propagation modeling, fast and slow fading, modulation, demodulation, coding, and multiple access techniques. Prerequisite: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5375. Smart Grid: an Application Development Platform.
In this course, students will learn how to develop real applications for the smart grid and model its performance with simulations and stochastic models. Topics include energy informatics, smart metering, home energy management, demand response, load disaggregation and APIs/OpenData. The mathematical tools used include: Optimization/Control, Machine Learning and Stochastic Processes. Prerequisites: EE 3370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5377. Statistical Signal Processing.
This course develops the theory and applications of random processes using mathematical treatments, including elementary discrete and continuous time linear systems theory, elementary probability, and transform theory. Topics include applications of random processes to information and communication theory, estimation and detection, control, signal processing, and stochastic systems theory. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5385. Optoelectronic Devices.
This course introduces the student to the concepts, physical operations, and design criteria of state-of-the-art optoelectronic devices and systems used in research, technology, medicine, communication, and other modern applications. Prerequisites: EE 3355 or EE 4350 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5398A. Antenna Theory, Design and Applications.
This course covers the basic theory, design and applications of antennas. The topics include antenna radiation, fundamental parameters of antennas, linear wire antennas, loop antennas, antenna arrays, long-periodic antennas, horn antennas, microstrip antennas and modern nano-antennas. Prerequisite: EE 3340 or EE 3370 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398B. Electronic Materials and Beyond for Sustainable Energy.
This course covers the basic science and technology for sustainable energy from the view of materials, where electronic materials are highly emphasized. The topics include solar cells, thermoelectrics, batteries, supercapacitors, artificial photosynthesis, fuel cells, biomass and nuclear energy. Prerequisite: EE 3355 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398C. Multimedia Signal Processing.
This course covers theory and applications of digital signal processing to multimedia signals, including speech, audio, image, and video. Key concepts and algorithms are discussed first, followed by a review of relevant industry standards. Hardware architectures and real-time implementation concepts appropriate for multimedia signals are also included. Prerequisites: EE 3370 and [EE 4323 or EE 4377] both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398D. Electroceramics.
This course covers binary and ternary phase diagrams, non-centro-symmetric crystal structures and symmetry groups, nonlinear dielectrics (ferroelectricity, piezoelectricity, pyroelectricity), nonlinear magnetics, oxide wideband gap semiconductors, detectors and sensors, introduction to MEMS, radhard electonics, and spintronics technology. Labs and additional research-oriented instruction are related to materials processing, characterization, fabrication, and testing. Prerequisite: EE 3355 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Industrial Engineering (IE)

IE 5310. Advanced Statistical Design of Experiments for Engineers.
This course examines the design and analysis of controlled experiments, demonstrating engineering applications of design of experiments (DOE) in the manufacturing and service industries. Topics include full and fractional factorial designs, response surface methodology, and Taguchi methods. In a semester-long project, students apply DOE to improve a real manufacturing process. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5320. Modeling and Analysis of Manufacturing Systems.
This course covers the methods for modeling and analyzing manufacturing systems. Critical manufacturing issues that are addressed by these models include sustainable production systems, material handling systems, scheduling, and supply chains. Prerequisite: IE 3320 and IE 3340 and MFGE 4396 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5330. Advanced Quality Control and Reliability Engineering.
This course provides in-depth knowledge in reliability modeling and maintenance optimization for components and systems. The course also covers advanced quality control techniques including multivariate process control. Methodologies are applied to solve practical problems arising from various industry domains. Restricted to students enrolled in the MS Engineering program. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5340. Applied Deterministic Operations Research for Engineers.
This course introduces students to modeling of linear, non-linear, and integer problems applied to engineering design, manufacturing, service, supply chain, healthcare and electrical systems. Mathematical programming software is emphasized in class exercises, homework, and project. Techniques including revised simplex method, duality theory, sensitivity analysis, and networks are also covered. Prerequisite: CS 1428 and MATH 3377 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5343. Non-Linear Optimization Techniques for Engineers.
This course covers engineering applications of mathematical modeling and computational methods for nonlinear programming problems. The primary goal of this course is to present techniques and strategies essential to optimize non-linear models. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5345. Advanced Optimization.
This course covers advanced concepts in linear and integer programming. Solution techniques for stochastic and dynamic programming and formulation and solution of decision models in manufacturing, service, supply chain, healthcare and electrical systems are presented. Prerequisite: IE 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5347. Modern Heuristic Optimization.
This course covers heuristic methods that search beyond local optima such as simulated annealing, tabu search, genetic algorithms, ant-colony systems and particle swarm. Papers from the literature, problem-specific heuristics, evaluation methods, and implementations are discussed. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5397. System Thinking and Analysis.
This course is an introduction to systems engineering and the systems thinking process, providing important considerations related to the engineering of large scale systems. These considerations include system understanding, modeling and design, the system development process, needs analysis, concept exploration and definition, design, integration and evaluation, and systems engineering management. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5398A. Healthcare Systems Engineering.
This course provides an introduction into healthcare delivery with particular attention to the application of systems engineering techniques. Topics include the organization of healthcare systems, characteristics of US healthcare, decision-making in the healthcare environment, health informatics, and performance measurement tools. Student project involves integration and application of systems engineering methodologies. Prerequisite: IE 5340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398B. Response Surface Methodologies.
This course continues the examination of the design and analysis of controlled experiments, demonstrating how design of experiments (DOE) and response surface methodologies (RSM) are used in product optimization and process improvement. Topics include factorial and fractional factorial designs, steepest ascent, fitting response surfaces, variance-optimal design, and mixture experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398C. Data-Intensive Analysis and Simulation for Engineers.
This course covers foundational topics in data science, including data-intensive analysis and simulation. Specific topics include data science, data extracting and preprocessing, data visualization, and design of simulation experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Manufacturing Engineering (MFGE)

Master of Science (M.S.) Major in Engineering (Civil Engineering Thesis Option)

Major Program

The Master of Science (M.S.) degree with a major in Engineering provides a practical, industry-driven focus via a long-term, targeted technical project or thesis related to real-world engineering applications. These projects will be conducted in partnership with local industries and may involve off-campus collaborations. The degree requires a large-scale project or thesis because the abilities to solve problems, innovate and make immediate contributions to industry are best developed by having students confront a large, open-ended problem; perform detailed research on the problem; develop various solutions; choose and implement the best solution; validate their choice; and effectively communicate the process to professional colleagues, executives, and customers.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree engineering, computer science, physics, technology, or a closely related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections)
- resume/CV detailing prior work experience, research experience, awards, scholarships, and other related qualifications
- statement of purpose (two pages) conveying research interests, plans for graduate study, and professional aspirations
- two letters of recommendation from non-related individuals familiar with the student's scholarly work and/or relevant work experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree in Engineering concentration in Civil Engineering requires 34 semester credit hours, including a thesis.

Non-credit (leveling) coursework may be required prior to admission into the program if you lack sufficient background course work. Any required leveling course work must be completed with grades of B or better prior to admission.

All students will have a faculty advisor and a graduate committee composed of a minimum of three graduate faculty members (including the faculty advisor). The faculty advisor will provide technical direction for the student's project, and the graduate committee will be responsible for approving the project proposal, receiving project progress reports, and approving the final project presentation and written report. Oral project presentation will serve as the comprehensive examination.

Course Requirements

Code	Title	Hours
Required Courses		
ENGR 5100	Seminar in Engineering	1

ENGR 5310	Probability, Random Variables, & Stochastic Processes for Engineers	3
CE 5370	Urban Stormwater Management	3
CE 5390	Infrastructure Systems Analysis	3
Electives		
Choose 9 from the following:		9
CE 5320	Water Quality Management	
CE 5350	Highway Bridge Design	
CE 5360	Pavement Design	
EE 5320	Advanced Computer Architecture and Arithmetic	
EE 5323	Digital Image Processing	
EE 5330	Embedded and Real-Time Computing	
EE 5350	Advanced Electronic Circuit Design	
EE 5355	Electronic Materials and Devices	
EE 5360	Thin Film Technology	
EE 5372	Advanced Networking	
EE 5374	Introduction to Wireless Communication	
EE 5377	Statistical Signal Processing	
EE 5385	Optoelectronic Devices	
EE 5398A	Antenna Theory, Design and Applications	
EE 5398B	Electronic Materials and Beyond for Sustainable Energy	
EE 5398C	Multimedia Signal Processing	
EE 5398D	Electroceramics	
ENGR 5384	Problems in Engineering	
IE 5310	Advanced Statistical Design of Experiments for Engineers	
IE 5320	Modeling and Analysis of Manufacturing Systems	
IE 5330	Advanced Quality Control and Reliability Engineering	
IE 5340	Applied Deterministic Operations Research for Engineers	
IE 5343	Non-Linear Optimization Techniques for Engineers	
IE 5345	Advanced Optimization	
IE 5347	Modern Heuristic Optimization	
IE 5397	System Thinking and Analysis	
IE 5398A	Healthcare Systems Engineering	
IE 5398B	Response Surface Methodologies	
IE 5398C	Data-Intensive Analysis and Simulation for Engineers	
MFGE 5316	Advanced Computer Aided Design and Manufacturing	
MFGE 5318	Reverse Engineering and Freeform Fabrication	
MFGE 5320	Polymer Nanocomposites	
MFGE 5326	Advanced Robotics in Manufacturing Automation	
MFGE 5328	Advanced Control Techniques	
MFGE 5398A	Multiscale Manufacturing	
MFGE 5398B	Advanced Composite Materials	
Multidisciplinary Electives		
Choose 9 hours from the following:		9
Business Administration		
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368E	Environmental Law and Policy	
CIS 5358	Agile Project Management For Business Professionals	
CIS 5364	Data Warehousing	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
MGT 5311	Process Improvement Management in Organizations	
MGT 5315	New Venture Management	
MGT 5321	Supply Chain Management	
MGT 5390	Business Research Methods	
QMST 5335	Forecasting and Simulation	
Industrial Technology		
TECH 5315	Engineering Economic Analysis	
TECH 5382	Sustainability in Industrial Management	
TECH 5390	Research in Technology	
TECH 5392	Fundamentals of Microelectronics Manufacturing	
Computer Science		
CS 5306	Advanced Operating Systems	
CS 5346	Advanced Artificial Intelligence	
CS 5369L	Machine Learning and Applications	
Geography		
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	
GEO 5334	Applied Water Resources	
GEO 5336	Transportation Systems	
GEO 5351	Regional Waste Management	
GEO 5352	Air Quality Management	
GEO 5393D	Water Resource Planning	
Mathematics		
MATH 5315	Mathematical Statistics	
MATH 5340	Scientific Computation	
MATH 5345	Regression Analysis	
MATH 5388	Discrete Mathematics	
MATH 5376A	Design and Analysis of Experiments	
MATH 5376B	Analysis of Variance	
MATH 5376D	Statistical Applications in Genetics and Bioinformatics	
Physics		
PHYS 5326	Electrical Characterization of Materials and Devices	
PHYS 5327	Semiconductor Device Physics	
Materials Science, Engineering and Commercialization		
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship	
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship	
MSEC 7310	Nanoscale Systems and Devices	
MSEC 7311	Materials Characterization	
MSEC 7340	Biomaterials and Biosensors	
Thesis		
ENGR 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
ENGR 5199B	Thesis	

ENGR 5299B	Thesis
ENGR 5399B	Thesis
ENGR 5599B	Thesis
ENGR 5999B	Thesis
Total Hours	34

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Engineering: ENGR (p.), CE (p.), EE (p.), IE (p.), MFGE (p.)

Courses Offered

Engineering (ENGR)

ENGR 5100. Seminar in Engineering.
Graduate students attend seminars by invited speakers presenting relevant topics in academia and industry. The schedule of speakers will be developed each semester with strict faculty supervision. This course may only be taken for credit one time.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5101. Academic Instruction for Engineering Graduate Assistants.
This course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENGR 5105. Engineering Internship.
This course is a faculty-supervised, experiential, work-integrated learning course intended to help the student acquire engineering curriculum-related industrial experience and hence successfully make the transition into the workforce. Course cannot be counted toward graduation. Course may be repeated once. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5198B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5298B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5310. Probability, Random Variables, & Stochastic Processes for Engineers.
This course develops theory underlying analysis and design of systems. Fundamental distributional concepts, applications of statistical methods, and theory of stochastic processes are introduced to create a foundation for mathematical analysis of physical systems involving randomness. Applications to engineering topics are taught, including estimation, control, and systems theory. Prerequisite: IE 3320 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 5384. Problems in Engineering.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. This course may be repeated once for additional credit with permission of the School Director. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENGR 5398A. Project.
This course represents a student's initial project enrollment. No project credit is awarded until the student has completed the project in ENGR 5x98B. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5398B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the theses is completed in ENGR 5x99B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5598B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5998B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Civil Engineering (CE)

CE 5320. Water Quality Management.
This course is an advanced study of the processes used to monitor, measure, and manage water quality for municipal, commercial, or industrial use. The use of technology to enhance water quality management processes is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5321. Transport and Fate of Contaminants.
This course is a study of the transport and fate of contaminants in surface water, sub-surface water, and the atmosphere. Use of technology to monitor the transport and fate of contaminants is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5340. Advanced Infrastructure Materials.
This course is an advanced study of materials used in the construction of infrastructure assets. Topics include high-performance materials, nano-materials, and advanced material testing techniques. Use of technology to monitor in-situ performance of a material is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5350. Highway Bridge Design.
This course covers the design of highway bridge structures, including both the super- and sub-structure. Design is in accordance with current Federal Highway Administration (FHWA) specifications. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5360. Pavement Design.
This course covers the design of concrete, asphalt, and pervious pavements. Included are highway pavements, urban streets, airport pavements, industrial pavements, and roller compacted concrete. Design is in accordance with current FHWA specifications. Common construction methods are also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5370. Urban Stormwater Management.
This course examines the planning, design, operation, and maintenance of urban stormwater management systems. Political, social, economic, and environmental influences on such systems are examined. The impact of extreme events on stormwater systems and the urban landscape are also considered. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5372. Open Channel Flow.
This course is an advanced study of uniform, gradually varying, and rapid varying water flow in both natural and engineered open channels. The use of technology to monitor and maintain open channel structures is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5390. Infrastructure Systems Analysis.
This course is an advanced study of the planning, operation, and maintenance of municipal and commercial infrastructure assets. Political, social, economic, environmental, and engineering influences on infrastructure systems are addressed. Use of technology to enhance the safety and economic value of the infrastructure is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5391. Advanced Mechanics of Materials.
This course is an advanced study of stress, strain, and deformation in elastic bodies. Topics covered include torsion, unsymmetrical bending, nonlinear beams, stress concentrations, beams on elastic foundations, Mohr's circle, and an introduction to the theory of elasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Electrical Engineering (EE)

EE 5320. Advanced Computer Architecture and Arithmetic.
This course teaches design and analysis of high-performance computer systems, focusing on quantitative analysis of the latest processors and compilers. Current processor architectures are surveyed for system design. Topics include instruction sets, parallelizing architectures, pipelining, I/O, memory and cache organization, parallel/vector processing, fast arithmetic units design, and implementation using HDL. Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5321. Computer-Aided Engineering Simulations on HPC Systems.
This course covers development of simulations for engineering applications that are solved using High Performance Computing (HPC) environments. Topics include programming techniques for multicore processors, processor and memory architecture, computation for dense and spare linear algebra applications, computational temperature analysis, fluid dynamics, stencil and stochastic algorithms, and other applications. Prerequisite: EE 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5323. Digital Image Processing.
This course provides the necessary fundamental techniques to analyze and process digital images. It covers principles, concepts, and techniques of digital image processing and computer vision. Restricted to students enrolled in the MS Engineering program. Prerequisite: EE 3420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5330. Embedded and Real-Time Computing.
This course teaches development of embedded computing systems with strong resource constraints. Key concepts include managing constrained memory and processing speed limitations, and programming for soft and hard real-time constraints. Students will learn use of a Real-Time Operating System (RTOS). Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5331. Machine Learning for Engineering Applications.
This course covers an introduction to machine learning focused on deep learning techniques using engineering applications with Python. Topics include model characteristics, neural network theory, classifiers for network and signal processing applications, regression and convolutional modeling for object-detection, time-series and forecasting machine learning models for Smart City concepts. Prerequisite: ENGR 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5350. Advanced Electronic Circuit Design.
This course includes low and high power RF amplifier design techniques, oscillators, FM demodulators, limiters, and mixer design. Additional topics include circuit design to minimize intermodulation and other forms of distortion, and RD and high-speed analog circuits with emphasis on digital-friendly applications. Prerequisite: EE 4350 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5353. Fundamentals of Advanced Semiconductor Technology.
In this course students will learn key concepts and trends of advanced semiconductor device technology. Topics include Moore's law, MOSFET, CMOS and scaling, high-K gate dielectrics, new channel materials replacing silicon, three dimensional and compound semiconductor device structures. In addition students will be involved in laboratories and seminar presentations. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5354. Flexible Electronics.
This course will cover the materials systems, processes, device physics and applications of flexible electronics. The materials range from amorphous and nanocrystalline silicon, organic and polymeric semiconductors to solution cast films of carbon nanotubes. Real device discussions include high speed transistors, photovoltaics, flexible flat-panel displays, medical image sensors, etc. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5355. Electronic Materials and Devices.
This course covers theoretical concepts applicable to the understanding of unique properties exhibited by electronic materials, especially by dielectrics, oxide semiconductors, ferroelectrics, pyroelectrics, piezoelectrics, magnetic, and multifunctional and multiferroic materials. The various microelectronic devices and modern novel technologies based on these materials are emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5360. Thin Film Technology.
This course covers the theoretical and practical aspects of thin film technology in modern devices. The design and fabrication of thin film heterostructures is discussed. Growth and nucleation of epitaxial thin films with diverse properties and devices with combined properties will be emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5372. Advanced Networking.
This course develops important theoretical and application topics related to advanced networking. Theoretical topics are introduced using mathematical treatments, including queuing theory and some random processes. The course includes applications of these topics to communications networks, and focuses on architectures, applications and technologies which affect modern computer and data networks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5374. Introduction to Wireless Communication.
This course teaches principles and practices in designing and analyzing cellular and other wireless communication systems. Topics include RF propagation modeling, fast and slow fading, modulation, demodulation, coding, and multiple access techniques. Prerequisite: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5375. Smart Grid: an Application Development Platform.
In this course, students will learn how to develop real applications for the smart grid and model its performance with simulations and stochastic models. Topics include energy informatics, smart metering, home energy management, demand response, load disaggregation and APIs/OpenData. The mathematical tools used include: Optimization/Control, Machine Learning and Stochastic Processes. Prerequisites: EE 3370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5377. Statistical Signal Processing.
This course develops the theory and applications of random processes using mathematical treatments, including elementary discrete and continuous time linear systems theory, elementary probability, and transform theory. Topics include applications of random processes to information and communication theory, estimation and detection, control, signal processing, and stochastic systems theory. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5385. Optoelectronic Devices.
This course introduces the student to the concepts, physical operations, and design criteria of state-of-the-art optoelectronic devices and systems used in research, technology, medicine, communication, and other modern applications. Prerequisites: EE 3355 or EE 4350 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5398A. Antenna Theory, Design and Applications.
This course covers the basic theory, design and applications of antennas. The topics include antenna radiation, fundamental parameters of antennas, linear wire antennas, loop antennas, antenna arrays, long-periodic antennas, horn antennas, microstrip antennas and modern nano-antennas. Prerequisite: EE 3340 or EE 3370 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398B. Electronic Materials and Beyond for Sustainable Energy.
This course covers the basic science and technology for sustainable energy from the view of materials, where electronic materials are highly emphasized. The topics include solar cells, thermoelectrics, batteries, supercapacitors, artificial photosynthesis, fuel cells, biomass and nuclear energy. Prerequisite: EE 3355 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398C. Multimedia Signal Processing.
This course covers theory and applications of digital signal processing to multimedia signals, including speech, audio, image, and video. Key concepts and algorithms are discussed first, followed by a review of relevant industry standards. Hardware architectures and real-time implementation concepts appropriate for multimedia signals are also included. Prerequisites: EE 3370 and [EE 4323 or EE 4377] both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398D. Electroceramics.
This course covers binary and ternary phase diagrams, non-centro-symmetric crystal structures and symmetry groups, nonlinear dielectrics (ferroelectricity, piezoelectricity, pyroelectricity), nonlinear magnetics, oxide wideband gap semiconductors, detectors and sensors, introduction to MEMS, radhard electonics, and spintronics technology. Labs and additional research-oriented instruction are related to materials processing, characterization, fabrication, and testing. Prerequisite: EE 3355 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Industrial Engineering (IE)

IE 5310. Advanced Statistical Design of Experiments for Engineers.
This course examines the design and analysis of controlled experiments, demonstrating engineering applications of design of experiments (DOE) in the manufacturing and service industries. Topics include full and fractional factorial designs, response surface methodology, and Taguchi methods. In a semester-long project, students apply DOE to improve a real manufacturing process. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5320. Modeling and Analysis of Manufacturing Systems.
This course covers the methods for modeling and analyzing manufacturing systems. Critical manufacturing issues that are addressed by these models include sustainable production systems, material handling systems, scheduling, and supply chains. Prerequisite: IE 3320 and IE 3340 and MFGE 4396 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5330. Advanced Quality Control and Reliability Engineering.
This course provides in-depth knowledge in reliability modeling and maintenance optimization for components and systems. The course also covers advanced quality control techniques including multivariate process control. Methodologies are applied to solve practical problems arising from various industry domains. Restricted to students enrolled in the MS Engineering program. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5340. Applied Deterministic Operations Research for Engineers.
This course introduces students to modeling of linear, non-linear, and integer problems applied to engineering design, manufacturing, service, supply chain, healthcare and electrical systems. Mathematical programming software is emphasized in class exercises, homework, and project. Techniques including revised simplex method, duality theory, sensitivity analysis, and networks are also covered. Prerequisite: CS 1428 and MATH 3377 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5343. Non-Linear Optimization Techniques for Engineers.
This course covers engineering applications of mathematical modeling and computational methods for nonlinear programming problems. The primary goal of this course is to present techniques and strategies essential to optimize non-linear models. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5345. Advanced Optimization.
This course covers advanced concepts in linear and integer programming. Solution techniques for stochastic and dynamic programming and formulation and solution of decision models in manufacturing, service, supply chain, healthcare and electrical systems are presented. Prerequisite: IE 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5347. Modern Heuristic Optimization.
This course covers heuristic methods that search beyond local optima such as simulated annealing, tabu search, genetic algorithms, ant-colony systems and particle swarm. Papers from the literature, problem-specific heuristics, evaluation methods, and implementations are discussed. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5397. System Thinking and Analysis.
This course is an introduction to systems engineering and the systems thinking process, providing important considerations related to the engineering of large scale systems. These considerations include system understanding, modeling and design, the system development process, needs analysis, concept exploration and definition, design, integration and evaluation, and systems engineering management. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5398A. Healthcare Systems Engineering.
This course provides an introduction into healthcare delivery with particular attention to the application of systems engineering techniques. Topics include the organization of healthcare systems, characteristics of US healthcare, decision-making in the healthcare environment, health informatics, and performance measurement tools. Student project involves integration and application of systems engineering methodologies. Prerequisite: IE 5340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398B. Response Surface Methodologies.
This course continues the examination of the design and analysis of controlled experiments, demonstrating how design of experiments (DOE) and response surface methodologies (RSM) are used in product optimization and process improvement. Topics include factorial and fractional factorial designs, steepest ascent, fitting response surfaces, variance-optimal design, and mixture experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398C. Data-Intensive Analysis and Simulation for Engineers.
This course covers foundational topics in data science, including data-intensive analysis and simulation. Specific topics include data science, data extracting and preprocessing, data visualization, and design of simulation experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Manufacturing Engineering (MFGE)

MFGE 5316. Advanced Computer Aided Design and Manufacturing.
Topics include design process, mathematical presentation of wireframe/surface/solid modes, transformation and manipulation of objects, finite element analysis, data exchange, process planning, fundamentals of multi-axis NC programming for turning and milling processes, fundamentals of CAD/CAM systems, CNC code generation by CAD.CAM software for the CNC, and waterjet machines. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5318. Additive Manufacturing.
The course covers theory, techniques, and applications of Advanced Reverse Engineering & Freedom Fabrication. Topics include reverse engineering generic process, reverse modeling, contact and noncontact scanning, point cloud, geometric modeling, data extraction, rapid prototyping processes, uniform and adaptive slicing, industrial and medical applications, hardware, and software. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5320. Polymer Nanocomposites.
This course covers polymer nanocomposites focusing on materials, manufacturing, characterization, and applications. The primary focus is on fiber reinforced polymer nanocomposites. Morphological, Thermal, Mechanical, and Electrical Characterization will be discussed in detail. Applications include fire-resistant, ablative, fatigue-resistant, impact-resistant, and bio-based composites. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5326. Advanced Robotics in Manufacturing Automation.
This course covers principles and techniques involved in advanced robotics. Topics include introduction to robotics, industrial robotics, robot kinematics, path planning, robot dynamics, advanced control, force control, sensors and actuators, mobile robotics, and introduction to nanorobotics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5328. Advanced Control Techniques.
This course covers advanced control techniques in manufacturing processes. Topics include modeling of dynamic systems, feedback control systems analysis, stability analysis, PID control, optimal control, programmable logic control, design of control systems, transducer and sensor technology, and digital control. Registration requires instructor's approval. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5398A. Multiscale Manufacturing.
This course covers multiscale manufacturing processes, techniques, and applications. Topics include micro and nano-manufacturing, polymer and semiconductor fabrication, thin film technologies, bulk and surface micromachining, physics of multiscale manufacturing, microelectromechanical (MEMS) devices, and design issues for fabrication of micro and nano-systems. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MFGE 5398B. Advanced Composite Materials.
This course examines various aspects of fiber-reinforced polymeric composites. The topics covered include constituent materials (fibers and matrices), mechanics, performance, manufacturing, and introduction to nanocomposites, This course also provides introductory treatments concerning ceramic matrix composites, metal matrix composites, and carbon/carbon composites.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Engineering (Electrical Engineering Project Option)

Major Program

The Master of Science (M.S.) degree with a major in Engineering provides a practical, industry-driven focus via a long-term, targeted technical project or thesis related to real-world engineering applications. These projects will be conducted in partnership with local industries and may involve off-campus collaborations. The degree requires a large-scale project or thesis because the abilities to solve problems, innovate and make immediate contributions to industry are best developed by having students confront a large, open-ended problem; perform detailed research on the problem; develop various solutions; choose and implement the best solution; validate their choice; and effectively communicate the process to professional colleagues, executives, and customers.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree engineering, computer science, physics, technology, or a closely related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV detailing prior work experience, research experience, awards, scholarships, and other related qualifications
- statement of purpose (two pages) conveying research interests, plans for graduate study, and professional aspirations
- two letters of recommendation from non-related individuals familiar with the student's scholarly work and/or relevant work experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree in Engineering concentration in Electrical Engineering requires 34 semester credit hours, including a project.

Non-credit (leveling) coursework may be required prior to admission into the program if you lack sufficient background course work. Any required leveling course work must be completed with grades of B or better prior to admission.

All students will have a faculty advisor and a graduate committee composed of a minimum of three graduate faculty members (including the faculty advisor). The faculty advisor will provide technical direction for the student's project, and the graduate committee will be responsible for approving the project proposal, receiving project progress reports, and approving the final project presentation and written report. Oral project presentation will serve as the comprehensive examination.

Course Requirements

Code	Title	Hours
Required Courses		
ENGR 5100	Seminar in Engineering	1
ENGR 5310	Probability, Random Variables, & Stochastic Processes for Engineers	3
EE 5320	Advanced Computer Architecture and Arithmetic	3
EE 5350	Advanced Electronic Circuit Design	3
Electives		
Choose 9 hours from the following:		9
CE 5320	Water Quality Management	
CE 5321	Transport and Fate of Contaminants	
CE 5340	Advanced Infrastructure Materials	
CE 5350	Highway Bridge Design	
CE 5360	Pavement Design	
CE 5370	Urban Stormwater Management	
CE 5372	Open Channel Flow	
CE 5390	Infrastructure Systems Analysis	
CE 5391	Advanced Mechanics of Materials	
EE 5323	Digital Image Processing	
EE 5321	Computer-Aided Engineering Simulations on HPC Systems	
EE 5330	Embedded and Real-Time Computing	
EE 5353	Fundamentals of Advanced Semiconductor Technology	
EE 5354	Flexible Electronics	
EE 5355	Electronic Materials and Devices	
EE 5360	Thin Film Technology	
EE 5372	Advanced Networking	
EE 5374	Introduction to Wireless Communication	
EE 5375	Smart Grid: an Application Development Platform	
EE 5377	Statistical Signal Processing	
EE 5385	Optoelectronic Devices	
EE 5398A	Antenna Theory, Design and Applications	
EE 5398B	Electronic Materials and Beyond for Sustainable Energy	
EE 5398C	Multimedia Signal Processing	
EE 5398D	Electroceramics	
ENGR 5384	Problems in Engineering	
IE 5310	Advanced Statistical Design of Experiments for Engineers	
IE 5320	Modeling and Analysis of Manufacturing Systems	
IE 5330	Advanced Quality Control and Reliability Engineering	
IE 5340	Applied Deterministic Operations Research for Engineers	
IE 5343	Non-Linear Optimization Techniques for Engineers	
IE 5345	Advanced Optimization	
IE 5347	Modern Heuristic Optimization	
IE 5397	System Thinking and Analysis	
IE 5398A	Healthcare Systems Engineering	
IE 5398B	Response Surface Methodologies	
IE 5398C	Data-Intensive Analysis and Simulation for Engineers	
MFGE 5316	Advanced Computer Aided Design and Manufacturing	
MFGE 5318	Reverse Engineering and Freeform Fabrication	
MFGE 5320	Polymer Nanocomposites	
MFGE 5326	Advanced Robotics in Manufacturing Automation	
MFGE 5328	Advanced Control Techniques	
MFGE 5398A	Multiscale Manufacturing	
MFGE 5398B	Advanced Composite Materials	
Multidisciplinary Electives		
Choose 9 hours from the following:		9
Business Administration		
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368E	Environmental Law and Policy	
CIS 5358	Agile Project Management For Business Professionals	
CIS 5364	Data Warehousing	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
MGT 5311	Process Improvement Management in Organizations	
MGT 5315	New Venture Management	
MGT 5321	Supply Chain Management	
MGT 5390	Business Research Methods	
QMST 5335	Forecasting and Simulation	
Technology Management		
TECH 5315	Engineering Economic Analysis	
TECH 5382	Sustainability in Industrial Management	
TECH 5390	Research in Technology	
TECH 5392	Fundamentals of Microelectronics Manufacturing	
Computer Science		
CS 5306	Advanced Operating Systems	
CS 5346	Advanced Artificial Intelligence	
CS 5369L	Machine Learning and Applications	
Geography		
GEO 5312	Managing Urbanization	

GEO 5313	Environmental Management	
GEO 5334	Applied Water Resources	
GEO 5336	Transportation Systems	
GEO 5351	Regional Waste Management	
GEO 5352	Air Quality Management	
GEO 5393D	Water Resource Planning	
Mathematics		
MATH 5315	Mathematical Statistics	
MATH 5340	Scientific Computation	
MATH 5345	Regression Analysis	
MATH 5388	Discrete Mathematics	
MATH 5376A	Design and Analysis of Experiments	
MATH 5376B	Analysis of Variance	
MATH 5376D	Statistical Applications in Genetics and Bioinformatics	
Physics		
PHYS 5326	Electrical Characterization of Materials and Devices	
PHYS 5327	Semiconductor Device Physics	
Material Science, Engineering and Commercialization		
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship	
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship	
MSEC 7310	Nanoscale Systems and Devices	
MSEC 7311	Materials Characterization	
MSEC 7340	Biomaterials and Biosensors	
Project		
ENGR 5398A	Project	3
Choose a minimum of 3 hours from the following:		3
ENGR 5198B	Project	
ENGR 5298B	Project	
ENGR 5398B	Project	
ENGR 5598B	Project	
ENGR 5998B	Project	
Total Hours		34

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the project option for the degree, a committee to direct the project activity will be established. The project outcomes and deliverables will be specified by the project committee, and will include a written project report (similar in depth to a research thesis). In addition to demonstrating the student's capability for topical research and/or technical development, the project must also demonstrate the student's capability for independent thought and ability to completely resolve an unstructured technical problem. The structure and format of the project report will be specified by the project committee and may leverage portions of the Graduate College's Guide to Preparing and Submitting a Thesis or Dissertation. However, the project report will not be submitted to The Graduate College for publication and dissemination.

Project Proposal

The student must submit an official Master's Project Proposal form to their project committee. The required project proposal form may be obtained from the program's website http://www.engineering.txstate.edu/Programs/Graduate.html. After signing the form and obtaining committee members' signatures and graduate advisor's signature the student must submit the project proposal form with one copy of the proposal attached to the Director of the Ingram School of Engineering for approval before proceeding with project activity. If the project activity involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to the Ingram School. If the project activity involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended the project proposal form be submitted to the Director of the Ingram School by the end of the student's enrollment in ENGR 5398A.

Project Committee

The project committee must be composed of a minimum of three approved graduate faculty members. The chair of the project committee and at least one other committee member must be Ingram School faculty. The committee may contain additional members from industry sponsors or agencies, at the request of the sponsor or the preference of the committee chair.

Project Enrollment and Credit

The completion of a minimum of six hours of project enrollment is required. Students will enroll in ENGR 5398A for initial project activity and ENGR 5x98B for subsequent project activity. Preliminary discussions regarding the selection of a topic and assignment to a project supervisor are required prior to enrollment for ENGR 5398A.

A student will be required to enroll in and pay the fee for at least one hour of the project course during any term in which the student will receive project supervision or guidance and/or in which the student is using university resources. Failure to register for the appropriate project course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in ENGR 5398A, the student will continue to enroll in ENGR 5x98B until the project is successfully completed, as specified by the project committee. In the rare case when a student has not previously enrolled in ENGR 5398A and plans to work on and complete the project in one term, the student may enroll concurrently in both 5398A and 5398B. The only grades assigned for project courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a project course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the project is completed. The minimum number of hours of project credit ("CR") will be awarded only after the project report is approved by the project committee, and has been submitted to and approved by the Ingram School of Engineering. A student who has selected the project option must be registered for the appropriate project course during the term or Summer I (during summer the project course runs ten weeks for both sessions) in which the degree will be conferred.

Project Deadlines and Approval Process

Project deadlines are the same as the thesis deadlines posted at the following web page: http://www.gradcollege.txstate.edu/Thes-Diss_Info/T-D_Deadlines.html. The completed project report must be submitted to

the chair of the project committee no later than 41 days before the date of the commencement at which the degree is to be conferred.

The following must be submitted to the office of Ingram School no later than 24 days, not counting weekends or holidays, before the date of commencement at which the degree is to be conferred (see The Graduate College webpage for specific deadlines):

1. The Project Committee Approval form bearing original signatures of the student and all committee members.
2. One (1) copy of the project report in final form, approved by all committee members, on standard paper (Hard-copy Submission Option) **or** PDF of the project report in final form, approved by all committee members, submitted to the Ingram School of Engineering.

After the Director of the Ingram School approves the project report, the student may take personal copies to the Alkek Library and pay the binding fee for personal use.

Master's level courses in Engineering: ENGR (p. 2512), CE (p.), EE (p. 2514), IE (p. 2516), MFGE (p. 2517)

Courses Offered

Engineering (ENGR)

ENGR 5100. Seminar in Engineering.
Graduate students attend seminars by invited speakers presenting relevant topics in academia and industry. The schedule of speakers will be developed each semester with strict faculty supervision. This course may only be taken for credit one time.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5101. Academic Instruction for Engineering Graduate Assistants.
This course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENGR 5105. Engineering Internship.
This course is a faculty-supervised, experiential, work-integrated learning course intended to help the student acquire engineering curriculum-related industrial experience and hence successfully make the transition into the workforce. Course cannot be counted toward graduation. Course may be repeated once. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5198B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5298B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5310. Probability, Random Variables, & Stochastic Processes for Engineers.
This course develops theory underlying analysis and design of systems. Fundamental distributional concepts, applications of statistical methods, and theory of stochastic processes are introduced to create a foundation for mathematical analysis of physical systems involving randomness. Applications to engineering topics are taught, including estimation, control, and systems theory. Prerequisite: IE 3320 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 5384. Problems in Engineering.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. This course may be repeated once for additional credit with permission of the School Director. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENGR 5398A. Project.
This course represents a student's initial project enrollment. No project credit is awarded until the student has completed the project in ENGR 5x98B. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5398B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the theses is completed in ENGR 5x99B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5598B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5998B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Civil Engineering (CE)

CE 5320. Water Quality Management.
This course is an advanced study of the processes used to monitor, measure, and manage water quality for municipal, commercial, or industrial use. The use of technology to enhance water quality management processes is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5321. Transport and Fate of Contaminants.
This course is a study of the transport and fate of contaminants in surface water, sub-surface water, and the atmosphere. Use of technology to monitor the transport and fate of contaminants is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5340. Advanced Infrastructure Materials.
This course is an advanced study of materials used in the construction of infrastructure assets. Topics include high-performance materials, nano-materials, and advanced material testing techniques. Use of technology to monitor in-situ performance of a material is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5350. Highway Bridge Design.
This course covers the design of highway bridge structures, including both the super- and sub-structure. Design is in accordance with current Federal Highway Administration (FHWA) specifications. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5360. Pavement Design.
This course covers the design of concrete, asphalt, and pervious pavements. Included are highway pavements, urban streets, airport pavements, industrial pavements, and roller compacted concrete. Design is in accordance with current FHWA specifications. Common construction methods are also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5370. Urban Stormwater Management.
This course examines the planning, design, operation, and maintenance of urban stormwater management systems. Political, social, economic, and environmental influences on such systems are examined. The impact of extreme events on stormwater systems and the urban landscape are also considered. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5372. Open Channel Flow.
This course is an advanced study of uniform, gradually varying, and rapid varying water flow in both natural and engineered open channels. The use of technology to monitor and maintain open channel structures is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5390. Infrastructure Systems Analysis.
This course is an advanced study of the planning, operation, and maintenance of municipal and commercial infrastructure assets. Political, social, economic, environmental, and engineering influences on infrastructure systems are addressed. Use of technology to enhance the safety and economic value of the infrastructure is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5391. Advanced Mechanics of Materials.
This course is an advanced study of stress, strain, and deformation in elastic bodies. Topics covered include torsion, unsymmetrical bending, nonlinear beams, stress concentrations, beams on elastic foundations, Mohr's circle, and an introduction to the theory of elasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Electrical Engineering (EE)

EE 5320. Advanced Computer Architecture and Arithmetic.
This course teaches design and analysis of high-performance computer systems, focusing on quantitative analysis of the latest processors and compilers. Current processor architectures are surveyed for system design. Topics include instruction sets, parallelizing architectures, pipelining, I/O, memory and cache organization, parallel/vector processing, fast arithmetic units design, and implementation using HDL. Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5321. Computer-Aided Engineering Simulations on HPC Systems.
This course covers development of simulations for engineering applications that are solved using High Performance Computing (HPC) environments. Topics include programming techniques for multicore processors, processor and memory architecture, computation for dense and spare linear algebra applications, computational temperature analysis, fluid dynamics, stencil and stochastic algorithms, and other applications. Prerequisite: EE 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5323. Digital Image Processing.
This course provides the necessary fundamental techniques to analyze and process digital images. It covers principles, concepts, and techniques of digital image processing and computer vision. Restricted to students enrolled in the MS Engineering program. Prerequisite: EE 3420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5330. Embedded and Real-Time Computing.
This course teaches development of embedded computing systems with strong resource constraints. Key concepts include managing constrained memory and processing speed limitations, and programming for soft and hard real-time constraints. Students will learn use of a Real-Time Operating System (RTOS). Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5331. Machine Learning for Engineering Applications.
This course covers an introduction to machine learning focused on deep learning techniques using engineering applications with Python. Topics include model characteristics, neural network theory, classifiers for network and signal processing applications, regression and convolutional modeling for object-detection, time-series and forecasting machine learning models for Smart City concepts. Prerequisite: ENGR 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5350. Advanced Electronic Circuit Design.
This course includes low and high power RF amplifier design techniques, oscillators, FM demodulators, limiters, and mixer design. Additional topics include circuit design to minimize intermodulation and other forms of distortion, and RD and high-speed analog circuits with emphasis on digital-friendly applications. Prerequisite: EE 4350 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5353. Fundamentals of Advanced Semiconductor Technology.
In this course students will learn key concepts and trends of advanced semiconductor device technology. Topics include Moore's law, MOSFET, CMOS and scaling, high-K gate dielectrics, new channel materials replacing silicon, three dimensional and compound semiconductor device structures. In addition students will be involved in laboratories and seminar presentations. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5354. Flexible Electronics.
This course will cover the materials systems, processes, device physics and applications of flexible electronics. The materials range from amorphous and nanocrystalline silicon, organic and polymeric semiconductors to solution cast films of carbon nanotubes. Real device discussions include high speed transistors, photovoltaics, flexible flat-panel displays, medical image sensors, etc. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5355. Electronic Materials and Devices.
This course covers theoretical concepts applicable to the understanding of unique properties exhibited by electronic materials, especially by dielectrics, oxide semiconductors, ferroelectrics, pyroelectrics, piezoelectrics, magnetic, and multifunctional and multiferroic materials. The various microelectronic devices and modern novel technologies based on these materials are emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5360. Thin Film Technology.
This course covers the theoretical and practical aspects of thin film technology in modern devices. The design and fabrication of thin film heterostructures is discussed. Growth and nucleation of epitaxial thin films with diverse properties and devices with combined properties will be emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5372. Advanced Networking.
This course develops important theoretical and application topics related to advanced networking. Theoretical topics are introduced using mathematical treatments, including queuing theory and some random processes. The course includes applications of these topics to communications networks, and focuses on architectures, applications and technologies which affect modern computer and data networks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5374. Introduction to Wireless Communication.
This course teaches principles and practices in designing and analyzing cellular and other wireless communication systems. Topics include RF propagation modeling, fast and slow fading, modulation, demodulation, coding, and multiple access techniques. Prerequisite: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5375. Smart Grid: an Application Development Platform.
In this course, students will learn how to develop real applications for the smart grid and model its performance with simulations and stochastic models. Topics include energy informatics, smart metering, home energy management, demand response, load disaggregation and APIs/OpenData. The mathematical tools used include: Optimization/Control, Machine Learning and Stochastic Processes. Prerequisites: EE 3370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5377. Statistical Signal Processing.
This course develops the theory and applications of random processes using mathematical treatments, including elementary discrete and continuous time linear systems theory, elementary probability, and transform theory. Topics include applications of random processes to information and communication theory, estimation and detection, control, signal processing, and stochastic systems theory. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5385. Optoelectronic Devices.
This course introduces the student to the concepts, physical operations, and design criteria of state-of-the-art optoelectronic devices and systems used in research, technology, medicine, communication, and other modern applications. Prerequisites: EE 3355 or EE 4350 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5398A. Antenna Theory, Design and Applications.
This course covers the basic theory, design and applications of antennas. The topics include antenna radiation, fundamental parameters of antennas, linear wire antennas, loop antennas, antenna arrays, long-periodic antennas, horn antennas, microstrip antennas and modern nano-antennas. Prerequisite: EE 3340 or EE 3370 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398B. Electronic Materials and Beyond for Sustainable Energy.
This course covers the basic science and technology for sustainable energy from the view of materials, where electronic materials are highly emphasized. The topics include solar cells, thermoelectrics, batteries, supercapacitors, artificial photosynthesis, fuel cells, biomass and nuclear energy. Prerequisite: EE 3355 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398C. Multimedia Signal Processing.
This course covers theory and applications of digital signal processing to multimedia signals, including speech, audio, image, and video. Key concepts and algorithms are discussed first, followed by a review of relevant industry standards. Hardware architectures and real-time implementation concepts appropriate for multimedia signals are also included. Prerequisites: EE 3370 and [EE 4323 or EE 4377] both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398D. Electroceramics.
This course covers binary and ternary phase diagrams, non-centro-symmetric crystal structures and symmetry groups, nonlinear dielectrics (ferroelectricity, piezoelectricity, pyroelectricity), nonlinear magnetics, oxide wideband gap semiconductors, detectors and sensors, introduction to MEMS, radhard electonics, and spintronics technology. Labs and additional research-oriented instruction are related to materials processing, characterization, fabrication, and testing. Prerequisite: EE 3355 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Industrial Engineering (IE)

IE 5310. Advanced Statistical Design of Experiments for Engineers.
This course examines the design and analysis of controlled experiments, demonstrating engineering applications of design of experiments (DOE) in the manufacturing and service industries. Topics include full and fractional factorial designs, response surface methodology, and Taguchi methods. In a semester-long project, students apply DOE to improve a real manufacturing process. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5320. Modeling and Analysis of Manufacturing Systems.
This course covers the methods for modeling and analyzing manufacturing systems. Critical manufacturing issues that are addressed by these models include sustainable production systems, material handling systems, scheduling, and supply chains. Prerequisite: IE 3320 and IE 3340 and MFGE 4396 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5330. Advanced Quality Control and Reliability Engineering.
This course provides in-depth knowledge in reliability modeling and maintenance optimization for components and systems. The course also covers advanced quality control techniques including multivariate process control. Methodologies are applied to solve practical problems arising from various industry domains. Restricted to students enrolled in the MS Engineering program. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5340. Applied Deterministic Operations Research for Engineers.
This course introduces students to modeling of linear, non-linear, and integer problems applied to engineering design, manufacturing, service, supply chain, healthcare and electrical systems. Mathematical programming software is emphasized in class exercises, homework, and project. Techniques including revised simplex method, duality theory, sensitivity analysis, and networks are also covered. Prerequisite: CS 1428 and MATH 3377 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5343. Non-Linear Optimization Techniques for Engineers.
This course covers engineering applications of mathematical modeling and computational methods for nonlinear programming problems. The primary goal of this course is to present techniques and strategies essential to optimize non-linear models. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5345. Advanced Optimization.
This course covers advanced concepts in linear and integer programming. Solution techniques for stochastic and dynamic programming and formulation and solution of decision models in manufacturing, service, supply chain, healthcare and electrical systems are presented. Prerequisite: IE 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5347. Modern Heuristic Optimization.
This course covers heuristic methods that search beyond local optima such as simulated annealing, tabu search, genetic algorithms, ant-colony systems and particle swarm. Papers from the literature, problem-specific heuristics, evaluation methods, and implementations are discussed. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5397. System Thinking and Analysis.
This course is an introduction to systems engineering and the systems thinking process, providing important considerations related to the engineering of large scale systems. These considerations include system understanding, modeling and design, the system development process, needs analysis, concept exploration and definition, design, integration and evaluation, and systems engineering management. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5398A. Healthcare Systems Engineering.
This course provides an introduction into healthcare delivery with particular attention to the application of systems engineering techniques. Topics include the organization of healthcare systems, characteristics of US healthcare, decision-making in the healthcare environment, health informatics, and performance measurement tools. Student project involves integration and application of systems engineering methodologies. Prerequisite: IE 5340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398B. Response Surface Methodologies.
This course continues the examination of the design and analysis of controlled experiments, demonstrating how design of experiments (DOE) and response surface methodologies (RSM) are used in product optimization and process improvement. Topics include factorial and fractional factorial designs, steepest ascent, fitting response surfaces, variance-optimal design, and mixture experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398C. Data-Intensive Analysis and Simulation for Engineers.
This course covers foundational topics in data science, including data-intensive analysis and simulation. Specific topics include data science, data extracting and preprocessing, data visualization, and design of simulation experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Manufacturing Engineering (MFGE)

MFGE 5316. Advanced Computer Aided Design and Manufacturing.
Topics include design process, mathematical presentation of wireframe/surface/solid modes, transformation and manipulation of objects, finite element analysis, data exchange, process planning, fundamentals of multi-axis NC programming for turning and milling processes, fundamentals of CAD/CAM systems, CNC code generation by CAD.CAM software for the CNC, and waterjet machines. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5318. Additive Manufacturing.
The course covers theory, techniques, and applications of Advanced Reverse Engineering & Freedom Fabrication. Topics include reverse engineering generic process, reverse modeling, contact and noncontact scanning, point cloud, geometric modeling, data extraction, rapid prototyping processes, uniform and adaptive slicing, industrial and medical applications, hardware, and software. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5320. Polymer Nanocomposites.
This course covers polymer nanocomposites focusing on materials, manufacturing, characterization, and applications. The primary focus is on fiber reinforced polymer nanocomposites. Morphological, Thermal, Mechanical, and Electrical Characterization will be discussed in detail. Applications include fire-resistant, ablative, fatigue-resistant, impact-resistant, and bio-based composites. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5326. Advanced Robotics in Manufacturing Automation.
This course covers principles and techniques involved in advanced robotics. Topics include introduction to robotics, industrial robotics, robot kinematics, path planning, robot dynamics, advanced control, force control, sensors and actuators, mobile robotics, and introduction to nanorobotics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5328. Advanced Control Techniques.
This course covers advanced control techniques in manufacturing processes. Topics include modeling of dynamic systems, feedback control systems analysis, stability analysis, PID control, optimal control, programmable logic control, design of control systems, transducer and sensor technology, and digital control. Registration requires instructor's approval. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5398A. Multiscale Manufacturing.
This course covers multiscale manufacturing processes, techniques, and applications. Topics include micro and nano-manufacturing, polymer and semiconductor fabrication, thin film technologies, bulk and surface micromachining, physics of multiscale manufacturing, microelectromechanical (MEMS) devices, and design issues for fabrication of micro and nano-systems. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MFGE 5398B. Advanced Composite Materials.
This course examines various aspects of fiber-reinforced polymeric composites. The topics covered include constituent materials (fibers and matrices), mechanics, performance, manufacturing, and introduction to nanocomposites, This course also provides introductory treatments concerning ceramic matrix composites, metal matrix composites, and carbon/carbon composites.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Engineering (Electrical Engineering Thesis Option)

Major Program

The Master of Science (M.S.) degree with a major in Engineering provides a practical, industry-driven focus via a long-term, targeted technical project or thesis related to real-world engineering applications. These projects will be conducted in partnership with local industries and may involve off-campus collaborations. The degree requires a large-scale project or thesis because the abilities to solve problems, innovate and make immediate contributions to industry are best developed by having students confront a large, open-ended problem; perform detailed research on the problem; develop various solutions; choose and implement the best solution; validate their choice; and effectively communicate the process to professional colleagues, executives, and customers.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree engineering, computer science, physics, technology, or a closely related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV detailing prior work experience, research experience, awards, scholarships, and other related qualifications
- statement of purpose (two pages) conveying research interests, plans for graduate study, and professional aspirations
- two letters of recommendation from non-related individuals familiar with the student's scholarly work and/or relevant work experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree in Engineering concentration in Electrical Engineering requires 34 semester credit hours, including a thesis.

Non-credit (leveling) coursework may be required prior to admission into the program if you lack sufficient background course work. Any required leveling course work must be completed with grades of B or better prior to admission.

All students will have a faculty advisor and a graduate committee composed of a minimum of three graduate faculty members (including the faculty advisor). The faculty advisor will provide technical direction for the student's thesis, and the graduate committee will be responsible for approving the thesis proposal, receiving thesis progress reports, and approving the final thesis presentation and written report. Oral thesis defense will serve as the comprehensive examination.

Course Requirements

Code	Title	Hours
Required Courses		
ENGR 5100	Seminar in Engineering	1
ENGR 5310	Probability, Random Variables, & Stochastic Processes for Engineers	3
EE 5320	Advanced Computer Architecture and Arithmetic	3
EE 5350	Advanced Electronic Circuit Design	3
Electives		
Choose 9 hours from the following:		9
CE 5320	Water Quality Management	
CE 5321	Transport and Fate of Contaminants	
CE 5340	Advanced Infrastructure Materials	
CE 5350	Highway Bridge Design	
CE 5360	Pavement Design	
CE 5370	Urban Stormwater Management	
CE 5372	Open Channel Flow	
CE 5390	Infrastructure Systems Analysis	
CE 5391	Advanced Mechanics of Materials	
EE 5321	Computer-Aided Engineering Simulations on HPC Systems	
EE 5323	Digital Image Processing	
EE 5330	Embedded and Real-Time Computing	
EE 5353	Fundamentals of Advanced Semiconductor Technology	
EE 5354	Flexible Electronics	
EE 5355	Electronic Materials and Devices	
EE 5360	Thin Film Technology	
EE 5372	Advanced Networking	
EE 5374	Introduction to Wireless Communication	
EE 5375	Smart Grid: an Application Development Platform	
EE 5377	Statistical Signal Processing	
EE 5385	Optoelectronic Devices	
EE 5398A	Antenna Theory, Design and Applications	
EE 5398B	Electronic Materials and Beyond for Sustainable Energy	
EE 5398C	Multimedia Signal Processing	
EE 5398D	Electroceramics	
ENGR 5384	Problems in Engineering	
IE 5310	Advanced Statistical Design of Experiments for Engineers	
IE 5320	Modeling and Analysis of Manufacturing Systems	
IE 5330	Advanced Quality Control and Reliability Engineering	
IE 5340	Applied Deterministic Operations Research for Engineers	
IE 5343	Non-Linear Optimization Techniques for Engineers	
IE 5345	Advanced Optimization	
IE 5347	Modern Heuristic Optimization	
IE 5397	System Thinking and Analysis	
IE 5398A	Healthcare Systems Engineering	
IE 5398B	Response Surface Methodologies	

IE 5398C	Data-Intensive Analysis and Simulation for Engineers
MFGE 5316	Advanced Computer Aided Design and Manufacturing
MFGE 5318	Reverse Engineering and Freeform Fabrication
MFGE 5320	Polymer Nanocomposites
MFGE 5326	Advanced Robotics in Manufacturing Automation
MFGE 5328	Advanced Control Techniques
MFGE 5398A	Multiscale Manufacturing
MFGE 5398B	Advanced Composite Materials
Multidisciplinary Electives	
Choose 9 hours from the following:	9
Business Administration	
BLAW 5333	Legal Issues of Sustainability and Responsibility
BLAW 5368E	Environmental Law and Policy
CIS 5358	Agile Project Management For Business Professionals
CIS 5364	Data Warehousing
CIS 5370	Enterprise Resource Planning and Business Intelligence
MGT 5311	Process Improvement Management in Organizations
MGT 5315	New Venture Management
MGT 5321	Supply Chain Management
MGT 5390	Business Research Methods
QMST 5335	Forecasting and Simulation
Technology Management	
TECH 5315	Engineering Economic Analysis
TECH 5382	Sustainability in Industrial Management
TECH 5390	Research in Technology
TECH 5392	Fundamentals of Microelectronics Manufacturing
Computer Science	
CS 5306	Advanced Operating Systems
CS 5346	Advanced Artificial Intelligence
CS 5369L	Machine Learning and Applications
Geography	
GEO 5312	Managing Urbanization
GEO 5313	Environmental Management
GEO 5334	Applied Water Resources
GEO 5336	Transportation Systems
GEO 5351	Regional Waste Management
GEO 5352	Air Quality Management
GEO 5393D	Water Resource Planning
Mathematics	
MATH 5315	Mathematical Statistics
MATH 5340	Scientific Computation
MATH 5345	Regression Analysis
MATH 5388	Discrete Mathematics
MATH 5376A	Design and Analysis of Experiments
MATH 5376B	Analysis of Variance
MATH 5376D	Statistical Applications in Genetics and Bioinformatics
Physics	
PHYS 5326	Electrical Characterization of Materials and Devices
PHYS 5327	Semiconductor Device Physics
Materials Science, Engineering and Commercialization	
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship
MSEC 7310	Nanoscale Systems and Devices
MSEC 7311	Materials Characterization
MSEC 7340	Biomaterials and Biosensors
Thesis	
ENGR 5399A	Thesis 3
Choose a minimum of 3 hours from the following:	3
ENGR 5199B	Thesis
ENGR 5299B	Thesis
ENGR 5399B	Thesis
ENGR 5599B	Thesis
ENGR 5999B	Thesis
Total Hours	34

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Engineering: ENGR (p. 2520), CE (p.), EE (p.), IE (p.), MFGE (p.)

Courses Offered

Engineering (ENGR)

ENGR 5100. Seminar in Engineering.
Graduate students attend seminars by invited speakers presenting relevant topics in academia and industry. The schedule of speakers will be developed each semester with strict faculty supervision. This course may only be taken for credit one time.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5101. Academic Instruction for Engineering Graduate Assistants.
This course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENGR 5105. Engineering Internship.
This course is a faculty-supervised, experiential, work-integrated learning course intended to help the student acquire engineering curriculum-related industrial experience and hence successfully make the transition into the workforce. Course cannot be counted toward graduation. Course may be repeated once. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5198B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5298B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5310. Probability, Random Variables, & Stochastic Processes for Engineers.
This course develops theory underlying analysis and design of systems. Fundamental distributional concepts, applications of statistical methods, and theory of stochastic processes are introduced to create a foundation for mathematical analysis of physical systems involving randomness. Applications to engineering topics are taught, including estimation, control, and systems theory. Prerequisite: IE 3320 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 5384. Problems in Engineering.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. This course may be repeated once for additional credit with permission of the School Director. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENGR 5398A. Project.
This course represents a student's initial project enrollment. No project credit is awarded until the student has completed the project in ENGR 5x98B. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5398B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the theses is completed in ENGR 5x99B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5598B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5998B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Civil Engineering (CE)

CE 5320. Water Quality Management.
This course is an advanced study of the processes used to monitor, measure, and manage water quality for municipal, commercial, or industrial use. The use of technology to enhance water quality management processes is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5321. Transport and Fate of Contaminants.
This course is a study of the transport and fate of contaminants in surface water, sub-surface water, and the atmosphere. Use of technology to monitor the transport and fate of contaminants is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5340. Advanced Infrastructure Materials.
This course is an advanced study of materials used in the construction of infrastructure assets. Topics include high-performance materials, nano-materials, and advanced material testing techniques. Use of technology to monitor in-situ performance of a material is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5350. Highway Bridge Design.
This course covers the design of highway bridge structures, including both the super- and sub-structure. Design is in accordance with current Federal Highway Administration (FHWA) specifications. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5360. Pavement Design.
This course covers the design of concrete, asphalt, and pervious pavements. Included are highway pavements, urban streets, airport pavements, industrial pavements, and roller compacted concrete. Design is in accordance with current FHWA specifications. Common construction methods are also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5370. Urban Stormwater Management.
This course examines the planning, design, operation, and maintenance of urban stormwater management systems. Political, social, economic, and environmental influences on such systems are examined. The impact of extreme events on stormwater systems and the urban landscape are also considered. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5372. Open Channel Flow.
This course is an advanced study of uniform, gradually varying, and rapid varying water flow in both natural and engineered open channels. The use of technology to monitor and maintain open channel structures is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5390. Infrastructure Systems Analysis.
This course is an advanced study of the planning, operation, and maintenance of municipal and commercial infrastructure assets. Political, social, economic, environmental, and engineering influences on infrastructure systems are addressed. Use of technology to enhance the safety and economic value of the infrastructure is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5391. Advanced Mechanics of Materials.
This course is an advanced study of stress, strain, and deformation in elastic bodies. Topics covered include torsion, unsymmetrical bending, nonlinear beams, stress concentrations, beams on elastic foundations, Mohr's circle, and an introduction to the theory of elasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Electrical Engineering (EE)

EE 5320. Advanced Computer Architecture and Arithmetic.
This course teaches design and analysis of high-performance computer systems, focusing on quantitative analysis of the latest processors and compilers. Current processor architectures are surveyed for system design. Topics include instruction sets, parallelizing architectures, pipelining, I/O, memory and cache organization, parallel/vector processing, fast arithmetic units design, and implementation using HDL. Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5321. Computer-Aided Engineering Simulations on HPC Systems.
This course covers development of simulations for engineering applications that are solved using High Performance Computing (HPC) environments. Topics include programming techniques for multicore processors, processor and memory architecture, computation for dense and spare linear algebra applications, computational temperature analysis, fluid dynamics, stencil and stochastic algorithms, and other applications. Prerequisite: EE 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5323. Digital Image Processing.
This course provides the necessary fundamental techniques to analyze and process digital images. It covers principles, concepts, and techniques of digital image processing and computer vision. Restricted to students enrolled in the MS Engineering program. Prerequisite: EE 3420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5330. Embedded and Real-Time Computing.
This course teaches development of embedded computing systems with strong resource constraints. Key concepts include managing constrained memory and processing speed limitations, and programming for soft and hard real-time constraints. Students will learn use of a Real-Time Operating System (RTOS). Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5331. Machine Learning for Engineering Applications.
This course covers an introduction to machine learning focused on deep learning techniques using engineering applications with Python. Topics include model characteristics, neural network theory, classifiers for network and signal processing applications, regression and convolutional modeling for object-detection, time-series and forecasting machine learning models for Smart City concepts. Prerequisite: ENGR 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5350. Advanced Electronic Circuit Design.
This course includes low and high power RF amplifier design techniques, oscillators, FM demodulators, limiters, and mixer design. Additional topics include circuit design to minimize intermodulation and other forms of distortion, and RD and high-speed analog circuits with emphasis on digital-friendly applications. Prerequisite: EE 4350 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5353. Fundamentals of Advanced Semiconductor Technology.
In this course students will learn key concepts and trends of advanced semiconductor device technology. Topics include Moore's law, MOSFET, CMOS and scaling, high-K gate dielectrics, new channel materials replacing silicon, three dimensional and compound semiconductor device structures. In addition students will be involved in laboratories and seminar presentations. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5354. Flexible Electronics.
This course will cover the materials systems, processes, device physics and applications of flexible electronics. The materials range from amorphous and nanocrystalline silicon, organic and polymeric semiconductors to solution cast films of carbon nanotubes. Real device discussions include high speed transistors, photovoltaics, flexible flat-panel displays, medical image sensors, etc. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5355. Electronic Materials and Devices.
This course covers theoretical concepts applicable to the understanding of unique properties exhibited by electronic materials, especially by dielectrics, oxide semiconductors, ferroelectrics, pyroelectrics, piezoelectrics, magnetic, and multifunctional and multiferroic materials. The various microelectronic devices and modern novel technologies based on these materials are emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5360. Thin Film Technology.
This course covers the theoretical and practical aspects of thin film technology in modern devices. The design and fabrication of thin film heterostructures is discussed. Growth and nucleation of epitaxial thin films with diverse properties and devices with combined properties will be emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5372. Advanced Networking.
This course develops important theoretical and application topics related to advanced networking. Theoretical topics are introduced using mathematical treatments, including queuing theory and some random processes. The course includes applications of these topics to communications networks, and focuses on architectures, applications and technologies which affect modern computer and data networks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5374. Introduction to Wireless Communication.
This course teaches principles and practices in designing and analyzing cellular and other wireless communication systems. Topics include RF propagation modeling, fast and slow fading, modulation, demodulation, coding, and multiple access techniques. Prerequisite: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5375. Smart Grid: an Application Development Platform.
In this course, students will learn how to develop real applications for the smart grid and model its performance with simulations and stochastic models. Topics include energy informatics, smart metering, home energy management, demand response, load disaggregation and APIs/OpenData. The mathematical tools used include: Optimization/Control, Machine Learning and Stochastic Processes. Prerequisites: EE 3370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5377. Statistical Signal Processing.
This course develops the theory and applications of random processes using mathematical treatments, including elementary discrete and continuous time linear systems theory, elementary probability, and transform theory. Topics include applications of random processes to information and communication theory, estimation and detection, control, signal processing, and stochastic systems theory. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5385. Optoelectronic Devices.
This course introduces the student to the concepts, physical operations, and design criteria of state-of-the-art optoelectronic devices and systems used in research, technology, medicine, communication, and other modern applications. Prerequisites: EE 3355 or EE 4350 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5398A. Antenna Theory, Design and Applications.
This course covers the basic theory, design and applications of antennas. The topics include antenna radiation, fundamental parameters of antennas, linear wire antennas, loop antennas, antenna arrays, long-periodic antennas, horn antennas, microstrip antennas and modern nano-antennas. Prerequisite: EE 3340 or EE 3370 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398B. Electronic Materials and Beyond for Sustainable Energy.
This course covers the basic science and technology for sustainable energy from the view of materials, where electronic materials are highly emphasized. The topics include solar cells, thermoelectrics, batteries, supercapacitors, artificial photosynthesis, fuel cells, biomass and nuclear energy. Prerequisite: EE 3355 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398C. Multimedia Signal Processing.
This course covers theory and applications of digital signal processing to multimedia signals, including speech, audio, image, and video. Key concepts and algorithms are discussed first, followed by a review of relevant industry standards. Hardware architectures and real-time implementation concepts appropriate for multimedia signals are also included. Prerequisites: EE 3370 and [EE 4323 or EE 4377] both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398D. Electroceramics.
This course covers binary and ternary phase diagrams, non-centro-symmetric crystal structures and symmetry groups, nonlinear dielectrics (ferroelectricity, piezoelectricity, pyroelectricity), nonlinear magnetics, oxide wideband gap semiconductors, detectors and sensors, introduction to MEMS, radhard electonics, and spintronics technology. Labs and additional research-oriented instruction are related to materials processing, characterization, fabrication, and testing. Prerequisite: EE 3355 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Industrial Engineering (IE)

IE 5310. Advanced Statistical Design of Experiments for Engineers.
This course examines the design and analysis of controlled experiments, demonstrating engineering applications of design of experiments (DOE) in the manufacturing and service industries. Topics include full and fractional factorial designs, response surface methodology, and Taguchi methods. In a semester-long project, students apply DOE to improve a real manufacturing process. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5320. Modeling and Analysis of Manufacturing Systems.
This course covers the methods for modeling and analyzing manufacturing systems. Critical manufacturing issues that are addressed by these models include sustainable production systems, material handling systems, scheduling, and supply chains. Prerequisite: IE 3320 and IE 3340 and MFGE 4396 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5330. Advanced Quality Control and Reliability Engineering.
This course provides in-depth knowledge in reliability modeling and maintenance optimization for components and systems. The course also covers advanced quality control techniques including multivariate process control. Methodologies are applied to solve practical problems arising from various industry domains. Restricted to students enrolled in the MS Engineering program. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5340. Applied Deterministic Operations Research for Engineers.
This course introduces students to modeling of linear, non-linear, and integer problems applied to engineering design, manufacturing, service, supply chain, healthcare and electrical systems. Mathematical programming software is emphasized in class exercises, homework, and project. Techniques including revised simplex method, duality theory, sensitivity analysis, and networks are also covered. Prerequisite: CS 1428 and MATH 3377 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5343. Non-Linear Optimization Techniques for Engineers.
This course covers engineering applications of mathematical modeling and computational methods for nonlinear programming problems. The primary goal of this course is to present techniques and strategies essential to optimize non-linear models. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5345. Advanced Optimization.
This course covers advanced concepts in linear and integer programming. Solution techniques for stochastic and dynamic programming and formulation and solution of decision models in manufacturing, service, supply chain, healthcare and electrical systems are presented. Prerequisite: IE 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5347. Modern Heuristic Optimization.
This course covers heuristic methods that search beyond local optima such as simulated annealing, tabu search, genetic algorithms, ant-colony systems and particle swarm. Papers from the literature, problem-specific heuristics, evaluation methods, and implementations are discussed. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5397. System Thinking and Analysis.
This course is an introduction to systems engineering and the systems thinking process, providing important considerations related to the engineering of large scale systems. These considerations include system understanding, modeling and design, the system development process, needs analysis, concept exploration and definition, design, integration and evaluation, and systems engineering management. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5398A. Healthcare Systems Engineering.
This course provides an introduction into healthcare delivery with particular attention to the application of systems engineering techniques. Topics include the organization of healthcare systems, characteristics of US healthcare, decision-making in the healthcare environment, health informatics, and performance measurement tools. Student project involves integration and application of systems engineering methodologies. Prerequisite: IE 5340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398B. Response Surface Methodologies.
This course continues the examination of the design and analysis of controlled experiments, demonstrating how design of experiments (DOE) and response surface methodologies (RSM) are used in product optimization and process improvement. Topics include factorial and fractional factorial designs, steepest ascent, fitting response surfaces, variance-optimal design, and mixture experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398C. Data-Intensive Analysis and Simulation for Engineers.
This course covers foundational topics in data science, including data-intensive analysis and simulation. Specific topics include data science, data extracting and preprocessing, data visualization, and design of simulation experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Manufacturing Engineering (MFGE)

MFGE 5316. Advanced Computer Aided Design and Manufacturing.
Topics include design process, mathematical presentation of wireframe/surface/solid modes, transformation and manipulation of objects, finite element analysis, data exchange, process planning, fundamentals of multi-axis NC programming for turning and milling processes, fundamentals of CAD/CAM systems, CNC code generation by CAD.CAM software for the CNC, and waterjet machines. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5318. Additive Manufacturing.
The course covers theory, techniques, and applications of Advanced Reverse Engineering & Freedom Fabrication. Topics include reverse engineering generic process, reverse modeling, contact and noncontact scanning, point cloud, geometric modeling, data extraction, rapid prototyping processes, uniform and adaptive slicing, industrial and medical applications, hardware, and software. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5320. Polymer Nanocomposites.
This course covers polymer nanocomposites focusing on materials, manufacturing, characterization, and applications. The primary focus is on fiber reinforced polymer nanocomposites. Morphological, Thermal, Mechanical, and Electrical Characterization will be discussed in detail. Applications include fire-resistant, ablative, fatigue-resistant, impact-resistant, and bio-based composites. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5326. Advanced Robotics in Manufacturing Automation.
This course covers principles and techniques involved in advanced robotics. Topics include introduction to robotics, industrial robotics, robot kinematics, path planning, robot dynamics, advanced control, force control, sensors and actuators, mobile robotics, and introduction to nanorobotics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5328. Advanced Control Techniques.
This course covers advanced control techniques in manufacturing processes. Topics include modeling of dynamic systems, feedback control systems analysis, stability analysis, PID control, optimal control, programmable logic control, design of control systems, transducer and sensor technology, and digital control. Registration requires instructor's approval. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5398A. Multiscale Manufacturing.
This course covers multiscale manufacturing processes, techniques, and applications. Topics include micro and nano-manufacturing, polymer and semiconductor fabrication, thin film technologies, bulk and surface micromachining, physics of multiscale manufacturing, microelectromechanical (MEMS) devices, and design issues for fabrication of micro and nano-systems. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MFGE 5398B. Advanced Composite Materials.
This course examines various aspects of fiber-reinforced polymeric composites. The topics covered include constituent materials (fibers and matrices), mechanics, performance, manufacturing, and introduction to nanocomposites, This course also provides introductory treatments concerning ceramic matrix composites, metal matrix composites, and carbon/carbon composites.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Engineering (Industrial Engineering Project Option)

Major Program

The Master of Science (M.S.) degree with a major in Engineering provides a practical, industry-driven focus via a long-term, targeted technical project or thesis related to real-world engineering applications. These projects will be conducted in partnership with local industries and may involve off-campus collaborations. The degree requires a large-scale project or thesis because the abilities to solve problems, innovate and make immediate contributions to industry are best developed by having students confront a large, open-ended problem; perform detailed research on the problem; develop various solutions; choose and implement the best solution; validate their choice; and effectively communicate the process to professional colleagues, executives, and customers.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree engineering, computer science, physics, technology, or a closely related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV detailing prior work experience, research experience, awards, scholarships, and other related qualifications
- statement of purpose (two pages) conveying research interests, plans for graduate study, and professional aspirations
- two letters of recommendation from non-related individuals familiar with the student's scholarly work and/or relevant work experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Engineering concentration in Industrial Engineering requires 34 semester credit hours, including a project.

Non-credit (leveling) coursework may be required prior to admission into the program if you lack sufficient background course work. Any required leveling course work must be completed with grades of B or better prior to admission.

All students will have a faculty advisor and a graduate committee composed of a minimum of three graduate faculty members (including the faculty advisor). The faculty advisor will provide technical direction for the student's project, and the graduate committee will be responsible for approving the project proposal, receiving project progress reports, and approving the final project presentation and written report. Oral project presentation will serve as the comprehensive examination.

Course Requirements

Code	Title	Hours
Required Courses		
ENGR 5100	Seminar in Engineering	1
ENGR 5310	Probability, Random Variables, & Stochastic Processes for Engineers	3
IE 5320	Modeling and Analysis of Manufacturing Systems	3
IE 5340	Applied Deterministic Operations Research for Engineers	3
Electives		
Choose 9 hours from the following:		9
CE 5320	Water Quality Management	
CE 5321	Transport and Fate of Contaminants	
CE 5340	Advanced Infrastructure Materials	
CE 5350	Highway Bridge Design	
CE 5360	Pavement Design	
CE 5370	Urban Stormwater Management	
CE 5372	Open Channel Flow	
CE 5390	Infrastructure Systems Analysis	
CE 5391	Advanced Mechanics of Materials	
EE 5320	Advanced Computer Architecture and Arithmetic	
EE 5321	Computer-Aided Engineering Simulations on HPC Systems	
EE 5323	Digital Image Processing	
EE 5330	Embedded and Real-Time Computing	
EE 5353	Fundamentals of Advanced Semiconductor Technology	
EE 5354	Flexible Electronics	
EE 5350	Advanced Electronic Circuit Design	
EE 5355	Electronic Materials and Devices	
EE 5360	Thin Film Technology	
EE 5372	Advanced Networking	
EE 5374	Introduction to Wireless Communication	
EE 5375	Smart Grid: an Application Development Platform	
EE 5377	Statistical Signal Processing	
EE 5385	Optoelectronic Devices	
EE 5398A	Antenna Theory, Design and Applications	
EE 5398B	Electronic Materials and Beyond for Sustainable Energy	
EE 5398C	Multimedia Signal Processing	
EE 5398D	Electroceramics	
ENGR 5384	Problems in Engineering	
IE 5310	Advanced Statistical Design of Experiments for Engineers	
IE 5330	Advanced Quality Control and Reliability Engineering	
IE 5343	Non-Linear Optimization Techniques for Engineers	
IE 5345	Advanced Optimization	
IE 5347	Modern Heuristic Optimization	
IE 5397	System Thinking and Analysis	
IE 5398A	Healthcare Systems Engineering	
IE 5398B	Response Surface Methodologies	
IE 5398C	Data-Intensive Analysis and Simulation for Engineers	
MFGE 5316	Advanced Computer Aided Design and Manufacturing	
MFGE 5318	Reverse Engineering and Freeform Fabrication	
MFGE 5320	Polymer Nanocomposites	
MFGE 5326	Advanced Robotics in Manufacturing Automation	
MFGE 5328	Advanced Control Techniques	
MFGE 5398A	Multiscale Manufacturing	
MFGE 5398B	Advanced Composite Materials	
Multidisciplinary Electives		
Choose 9 hours from the following:		9
Business Administration		
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368E	Environmental Law and Policy	
CIS 5358	Agile Project Management For Business Professionals	
CIS 5364	Data Warehousing	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
MGT 5311	Process Improvement Management in Organizations	
MGT 5315	New Venture Management	
MGT 5321	Supply Chain Management	
MGT 5390	Business Research Methods	
QMST 5335	Forecasting and Simulation	
Technology Management		
TECH 5315	Engineering Economic Analysis	
TECH 5382	Sustainability in Industrial Management	
TECH 5390	Research in Technology	
TECH 5392	Fundamentals of Microelectronics Manufacturing	
Computer Science		
CS 5306	Advanced Operating Systems	
CS 5346	Advanced Artificial Intelligence	
CS 5369L	Machine Learning and Applications	
Geography		
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	
GEO 5334	Applied Water Resources	
GEO 5336	Transportation Systems	
GEO 5351	Regional Waste Management	
GEO 5352	Air Quality Management	
GEO 5393D	Water Resource Planning	
Mathematics		
MATH 5315	Mathematical Statistics	
MATH 5340	Scientific Computation	
MATH 5345	Regression Analysis	
MATH 5388	Discrete Mathematics	
MATH 5376A	Design and Analysis of Experiments	
MATH 5376B	Analysis of Variance	
MATH 5376D	Statistical Applications in Genetics and Bioinformatics	
Physics		

PHYS 5326	Electrical Characterization of Materials and Devices	
PHYS 5327	Semiconductor Device Physics	
Materials Science, Engineering and Commercialization		
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship	
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship	
MSEC 7310	Nanoscale Systems and Devices	
MSEC 7311	Materials Characterization	
MSEC 7340	Biomaterials and Biosensors	
Project		
ENGR 5398A	Project	3
Choose a minimum of 3 hours from the following:		3
ENGR 5198B	Project	
ENGR 5298B	Project	
ENGR 5398B	Project	
ENGR 5598B	Project	
ENGR 5998B	Project	
Total Hours		34

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the project option for the degree, a committee to direct the project activity will be established. The project outcomes and deliverables will be specified by the project committee, and will include a written project report (similar in depth to a research thesis). In addition to demonstrating the student's capability for topical research and/or technical development, the project must also demonstrate the student's capability for independent thought and ability to completely resolve an unstructured technical problem. The structure and format of the project report will be specified by the project committee and may leverage portions of the Graduate College's Guide to Preparing and Submitting a Thesis or Dissertation. However, the project report will not be submitted to The Graduate College for publication and dissemination.

Project Proposal

The student must submit an official Master's Project Proposal form to their project committee. The required project proposal form may be obtained from the program's website http://www.engineering.txstate.edu/Programs/Graduate.html. After signing the form and obtaining committee members' signatures and graduate advisor's signature the student must submit the project proposal form with one copy of the proposal attached to the Director of the Ingram School of Engineering for approval before proceeding with project activity. If the project activity involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to the Ingram School. If the project activity involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended the project proposal form be submitted to the Director of the Ingram School by the end of the student's enrollment in ENGR 5398A.

Project Committee

The project committee must be composed of a minimum of three approved graduate faculty members. The chair of the project committee and at least one other committee member must be Ingram School faculty. The committee may contain additional members from industry sponsors or agencies, at the request of the sponsor or the preference of the committee chair.

Project Enrollment and Credit

The completion of a minimum of six hours of project enrollment is required. Students will enroll in ENGR 5398A for initial project activity and ENGR 5x98B for subsequent project activity. Preliminary discussions regarding the selection of a topic and assignment to a project supervisor are required prior to enrollment for ENGR 5398A.

A student will be required to enroll in and pay the fee for at least one hour of the project course during any term in which the student will receive project supervision or guidance and/or in which the student is using university resources. Failure to register for the appropriate project course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in ENGR 5398A, the student will continue to enroll in ENGR 5x98B until the project is successfully completed, as specified by the project committee. In the rare case when a student has not previously enrolled in ENGR 5398A and plans to work on and complete the project in one term, the student may enroll concurrently in both 5398A and 5398B. The only grades assigned for project courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a project course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the project is completed. The minimum number of hours of project credit ("CR") will be awarded only after the project report is approved by the project committee, and has been submitted to and approved by the Ingram School of Engineering. A student who has selected the project option must be registered for the appropriate project course during the term or Summer I (during summer the project course runs ten weeks for both sessions) in which the degree will be conferred.

Project Deadlines and Approval Process

Project deadlines are the same as the thesis deadlines posted at the following web page: http://www.gradcollege.txstate.edu/Thes-Diss_Info/T-D_Deadlines.html. The completed project report must be submitted to the chair of the project committee no later than 41 days before the date of the commencement at which the degree is to be conferred.

The following must be submitted to the office of Ingram School no later than 24 days, not counting weekends or holidays, before the date of commencement at which the degree is to be conferred (see The Graduate College webpage for specific deadlines):

1. The Project Committee Approval form bearing original signatures of the student and all committee members.
2. One (1) copy of the project report in final form, approved by all committee members, on standard paper (Hard-copy Submission Option) **or** PDF of the project report in final form, approved by all committee members, submitted to the Ingram School of Engineering.

After the Director of the Ingram School approves the project report, the student may take personal copies to the Alkek Library and pay the binding fee for personal use.

Master's level courses in Engineering: ENGR (p. 2529), CE (p.), EE (p.), IE (p.), MFGE (p.)

Courses Offered

Engineering (ENGR)

ENGR 5100. Seminar in Engineering.
Graduate students attend seminars by invited speakers presenting relevant topics in academia and industry. The schedule of speakers will be developed each semester with strict faculty supervision. This course may only be taken for credit one time.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5101. Academic Instruction for Engineering Graduate Assistants.
This course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENGR 5105. Engineering Internship.
This course is a faculty-supervised, experiential, work-integrated learning course intended to help the student acquire engineering curriculum-related industrial experience and hence successfully make the transition into the workforce. Course cannot be counted toward graduation. Course may be repeated once. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5198B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5298B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5310. Probability, Random Variables, & Stochastic Processes for Engineers.
This course develops theory underlying analysis and design of systems. Fundamental distributional concepts, applications of statistical methods, and theory of stochastic processes are introduced to create a foundation for mathematical analysis of physical systems involving randomness. Applications to engineering topics are taught, including estimation, control, and systems theory. Prerequisite: IE 3320 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 5384. Problems in Engineering.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. This course may be repeated once for additional credit with permission of the School Director. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENGR 5398A. Project.
This course represents a student's initial project enrollment. No project credit is awarded until the student has completed the project in ENGR 5x98B. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5398B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the theses is completed in ENGR 5x99B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5598B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5998B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Civil Engineering (CE)

CE 5320. Water Quality Management.
This course is an advanced study of the processes used to monitor, measure, and manage water quality for municipal, commercial, or industrial use. The use of technology to enhance water quality management processes is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5321. Transport and Fate of Contaminants.
This course is a study of the transport and fate of contaminants in surface water, sub-surface water, and the atmosphere. Use of technology to monitor the transport and fate of contaminants is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5340. Advanced Infrastructure Materials.
This course is an advanced study of materials used in the construction of infrastructure assets. Topics include high-performance materials, nano-materials, and advanced material testing techniques. Use of technology to monitor in-situ performance of a material is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5350. Highway Bridge Design.
This course covers the design of highway bridge structures, including both the super- and sub-structure. Design is in accordance with current Federal Highway Administration (FHWA) specifications. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5360. Pavement Design.
This course covers the design of concrete, asphalt, and pervious pavements. Included are highway pavements, urban streets, airport pavements, industrial pavements, and roller compacted concrete. Design is in accordance with current FHWA specifications. Common construction methods are also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5370. Urban Stormwater Management.
This course examines the planning, design, operation, and maintenance of urban stormwater management systems. Political, social, economic, and environmental influences on such systems are examined. The impact of extreme events on stormwater systems and the urban landscape are also considered. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5372. Open Channel Flow.
This course is an advanced study of uniform, gradually varying, and rapid varying water flow in both natural and engineered open channels. The use of technology to monitor and maintain open channel structures is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5390. Infrastructure Systems Analysis.
This course is an advanced study of the planning, operation, and maintenance of municipal and commercial infrastructure assets. Political, social, economic, environmental, and engineering influences on infrastructure systems are addressed. Use of technology to enhance the safety and economic value of the infrastructure is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5391. Advanced Mechanics of Materials.
This course is an advanced study of stress, strain, and deformation in elastic bodies. Topics covered include torsion, unsymmetrical bending, nonlinear beams, stress concentrations, beams on elastic foundations, Mohr's circle, and an introduction to the theory of elasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Electrical Engineering (EE)

EE 5320. Advanced Computer Architecture and Arithmetic.
This course teaches design and analysis of high-performance computer systems, focusing on quantitative analysis of the latest processors and compilers. Current processor architectures are surveyed for system design. Topics include instruction sets, parallelizing architectures, pipelining, I/O, memory and cache organization, parallel/vector processing, fast arithmetic units design, and implementation using HDL. Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5321. Computer-Aided Engineering Simulations on HPC Systems.
This course covers development of simulations for engineering applications that are solved using High Performance Computing (HPC) environments. Topics include programming techniques for multicore processors, processor and memory architecture, computation for dense and spare linear algebra applications, computational temperature analysis, fluid dynamics, stencil and stochastic algorithms, and other applications. Prerequisite: EE 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5323. Digital Image Processing.
This course provides the necessary fundamental techniques to analyze and process digital images. It covers principles, concepts, and techniques of digital image processing and computer vision. Restricted to students enrolled in the MS Engineering program. Prerequisite: EE 3420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5330. Embedded and Real-Time Computing.
This course teaches development of embedded computing systems with strong resource constraints. Key concepts include managing constrained memory and processing speed limitations, and programming for soft and hard real-time constraints. Students will learn use of a Real-Time Operating System (RTOS). Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5331. Machine Learning for Engineering Applications.
This course covers an introduction to machine learning focused on deep learning techniques using engineering applications with Python. Topics include model characteristics, neural network theory, classifiers for network and signal processing applications, regression and convolutional modeling for object-detection, time-series and forecasting machine learning models for Smart City concepts. Prerequisite: ENGR 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5350. Advanced Electronic Circuit Design.
This course includes low and high power RF amplifier design techniques, oscillators, FM demodulators, limiters, and mixer design. Additional topics include circuit design to minimize intermodulation and other forms of distortion, and RD and high-speed analog circuits with emphasis on digital-friendly applications. Prerequisite: EE 4350 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5353. Fundamentals of Advanced Semiconductor Technology.
In this course students will learn key concepts and trends of advanced semiconductor device technology. Topics include Moore's law, MOSFET, CMOS and scaling, high-K gate dielectrics, new channel materials replacing silicon, three dimensional and compound semiconductor device structures. In addition students will be involved in laboratories and seminar presentations. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5354. Flexible Electronics.
This course will cover the materials systems, processes, device physics and applications of flexible electronics. The materials range from amorphous and nanocrystalline silicon, organic and polymeric semiconductors to solution cast films of carbon nanotubes. Real device discussions include high speed transistors, photovoltaics, flexible flat-panel displays, medical image sensors, etc. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5355. Electronic Materials and Devices.
This course covers theoretical concepts applicable to the understanding of unique properties exhibited by electronic materials, especially by dielectrics, oxide semiconductors, ferroelectrics, pyroelectrics, piezoelectrics, magnetic, and multifunctional and multiferroic materials. The various microelectronic devices and modern novel technologies based on these materials are emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5360. Thin Film Technology.
This course covers the theoretical and practical aspects of thin film technology in modern devices. The design and fabrication of thin film heterostructures is discussed. Growth and nucleation of epitaxial thin films with diverse properties and devices with combined properties will be emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5372. Advanced Networking.
This course develops important theoretical and application topics related to advanced networking. Theoretical topics are introduced using mathematical treatments, including queuing theory and some random processes. The course includes applications of these topics to communications networks, and focuses on architectures, applications and technologies which affect modern computer and data networks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5374. Introduction to Wireless Communication.
This course teaches principles and practices in designing and analyzing cellular and other wireless communication systems. Topics include RF propagation modeling, fast and slow fading, modulation, demodulation, coding, and multiple access techniques. Prerequisite: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5375. Smart Grid: an Application Development Platform.
In this course, students will learn how to develop real applications for the smart grid and model its performance with simulations and stochastic models. Topics include energy informatics, smart metering, home energy management, demand response, load disaggregation and APIs/OpenData. The mathematical tools used include: Optimization/Control, Machine Learning and Stochastic Processes. Prerequisites: EE 3370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5377. Statistical Signal Processing.
This course develops the theory and applications of random processes using mathematical treatments, including elementary discrete and continuous time linear systems theory, elementary probability, and transform theory. Topics include applications of random processes to information and communication theory, estimation and detection, control, signal processing, and stochastic systems theory. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5385. Optoelectronic Devices.
This course introduces the student to the concepts, physical operations, and design criteria of state-of-the-art optoelectronic devices and systems used in research, technology, medicine, communication, and other modern applications. Prerequisites: EE 3355 or EE 4350 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5398A. Antenna Theory, Design and Applications.
This course covers the basic theory, design and applications of antennas. The topics include antenna radiation, fundamental parameters of antennas, linear wire antennas, loop antennas, antenna arrays, long-periodic antennas, horn antennas, microstrip antennas and modern nano-antennas. Prerequisite: EE 3340 or EE 3370 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398B. Electronic Materials and Beyond for Sustainable Energy.
This course covers the basic science and technology for sustainable energy from the view of materials, where electronic materials are highly emphasized. The topics include solar cells, thermoelectrics, batteries, supercapacitors, artificial photosynthesis, fuel cells, biomass and nuclear energy. Prerequisite: EE 3355 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398C. Multimedia Signal Processing.
This course covers theory and applications of digital signal processing to multimedia signals, including speech, audio, image, and video. Key concepts and algorithms are discussed first, followed by a review of relevant industry standards. Hardware architectures and real-time implementation concepts appropriate for multimedia signals are also included. Prerequisites: EE 3370 and [EE 4323 or EE 4377] both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398D. Electroceramics.
This course covers binary and ternary phase diagrams, non-centro-symmetric crystal structures and symmetry groups, nonlinear dielectrics (ferroelectricity, piezoelectricity, pyroelectricity), nonlinear magnetics, oxide wideband gap semiconductors, detectors and sensors, introduction to MEMS, radhard electonics, and spintronics technology. Labs and additional research-oriented instruction are related to materials processing, characterization, fabrication, and testing. Prerequisite: EE 3355 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Industrial Engineering (IE)

IE 5310. Advanced Statistical Design of Experiments for Engineers.
This course examines the design and analysis of controlled experiments, demonstrating engineering applications of design of experiments (DOE) in the manufacturing and service industries. Topics include full and fractional factorial designs, response surface methodology, and Taguchi methods. In a semester-long project, students apply DOE to improve a real manufacturing process. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5320. Modeling and Analysis of Manufacturing Systems.
This course covers the methods for modeling and analyzing manufacturing systems. Critical manufacturing issues that are addressed by these models include sustainable production systems, material handling systems, scheduling, and supply chains. Prerequisite: IE 3320 and IE 3340 and MFGE 4396 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5330. Advanced Quality Control and Reliability Engineering.
This course provides in-depth knowledge in reliability modeling and maintenance optimization for components and systems. The course also covers advanced quality control techniques including multivariate process control. Methodologies are applied to solve practical problems arising from various industry domains. Restricted to students enrolled in the MS Engineering program. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5340. Applied Deterministic Operations Research for Engineers.
This course introduces students to modeling of linear, non-linear, and integer problems applied to engineering design, manufacturing, service, supply chain, healthcare and electrical systems. Mathematical programming software is emphasized in class exercises, homework, and project. Techniques including revised simplex method, duality theory, sensitivity analysis, and networks are also covered. Prerequisite: CS 1428 and MATH 3377 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5343. Non-Linear Optimization Techniques for Engineers.
This course covers engineering applications of mathematical modeling and computational methods for nonlinear programming problems. The primary goal of this course is to present techniques and strategies essential to optimize non-linear models. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5345. Advanced Optimization.
This course covers advanced concepts in linear and integer programming. Solution techniques for stochastic and dynamic programming and formulation and solution of decision models in manufacturing, service, supply chain, healthcare and electrical systems are presented. Prerequisite: IE 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5347. Modern Heuristic Optimization.
This course covers heuristic methods that search beyond local optima such as simulated annealing, tabu search, genetic algorithms, ant-colony systems and particle swarm. Papers from the literature, problem-specific heuristics, evaluation methods, and implementations are discussed. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5397. System Thinking and Analysis.
This course is an introduction to systems engineering and the systems thinking process, providing important considerations related to the engineering of large scale systems. These considerations include system understanding, modeling and design, the system development process, needs analysis, concept exploration and definition, design, integration and evaluation, and systems engineering management. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5398A. Healthcare Systems Engineering.
This course provides an introduction into healthcare delivery with particular attention to the application of systems engineering techniques. Topics include the organization of healthcare systems, characteristics of US healthcare, decision-making in the healthcare environment, health informatics, and performance measurement tools. Student project involves integration and application of systems engineering methodologies. Prerequisite: IE 5340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398B. Response Surface Methodologies.
This course continues the examination of the design and analysis of controlled experiments, demonstrating how design of experiments (DOE) and response surface methodologies (RSM) are used in product optimization and process improvement. Topics include factorial and fractional factorial designs, steepest ascent, fitting response surfaces, variance-optimal design, and mixture experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398C. Data-Intensive Analysis and Simulation for Engineers.
This course covers foundational topics in data science, including data-intensive analysis and simulation. Specific topics include data science, data extracting and preprocessing, data visualization, and design of simulation experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Manufacturing Engineering (MFGE)

MFGE 5316. Advanced Computer Aided Design and Manufacturing.
Topics include design process, mathematical presentation of wireframe/surface/solid modes, transformation and manipulation of objects, finite element analysis, data exchange, process planning, fundamentals of multi-axis NC programming for turning and milling processes, fundamentals of CAD/CAM systems, CNC code generation by CAD.CAM software for the CNC, and waterjet machines. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5318. Additive Manufacturing.
The course covers theory, techniques, and applications of Advanced Reverse Engineering & Freedom Fabrication. Topics include reverse engineering generic process, reverse modeling, contact and noncontact scanning, point cloud, geometric modeling, data extraction, rapid prototyping processes, uniform and adaptive slicing, industrial and medical applications, hardware, and software. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5320. Polymer Nanocomposites.
This course covers polymer nanocomposites focusing on materials, manufacturing, characterization, and applications. The primary focus is on fiber reinforced polymer nanocomposites. Morphological, Thermal, Mechanical, and Electrical Characterization will be discussed in detail. Applications include fire-resistant, ablative, fatigue-resistant, impact-resistant, and bio-based composites. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5326. Advanced Robotics in Manufacturing Automation.
This course covers principles and techniques involved in advanced robotics. Topics include introduction to robotics, industrial robotics, robot kinematics, path planning, robot dynamics, advanced control, force control, sensors and actuators, mobile robotics, and introduction to nanorobotics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5328. Advanced Control Techniques.
This course covers advanced control techniques in manufacturing processes. Topics include modeling of dynamic systems, feedback control systems analysis, stability analysis, PID control, optimal control, programmable logic control, design of control systems, transducer and sensor technology, and digital control. Registration requires instructor's approval. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5398A. Multiscale Manufacturing.
This course covers multiscale manufacturing processes, techniques, and applications. Topics include micro and nano-manufacturing, polymer and semiconductor fabrication, thin film technologies, bulk and surface micromachining, physics of multiscale manufacturing, microelectromechanical (MEMS) devices, and design issues for fabrication of micro and nano-systems. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MFGE 5398B. Advanced Composite Materials.
This course examines various aspects of fiber-reinforced polymeric composites. The topics covered include constituent materials (fibers and matrices), mechanics, performance, manufacturing, and introduction to nanocomposites, This course also provides introductory treatments concerning ceramic matrix composites, metal matrix composites, and carbon/carbon composites.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Engineering (Industrial Engineering Thesis Option)

Major Program

The Master of Science (M.S.) degree with a major in Engineering provides a practical, industry-driven focus via a long-term, targeted technical project or thesis related to real-world engineering applications. These projects will be conducted in partnership with local industries and may involve off-campus collaborations. The degree requires a large-scale project or thesis because the abilities to solve problems, innovate and make immediate contributions to industry are best developed by having students confront a large, open-ended problem; perform detailed research on the problem; develop various solutions; choose and implement the best solution; validate their choice; and effectively communicate the process to professional colleagues, executives, and customers.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree engineering, computer science, physics, technology, or a closely related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV detailing prior work experience, research experience, awards, scholarships, and other related qualifications
- statement of purpose (two pages) conveying research interests, plans for graduate study, and professional aspirations
- two letters of recommendation from non-related individuals familiar with the student's scholarly work and/or relevant work experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Engineering concentration in Industrial Engineering requires 34 semester credit hours, including a thesis.

Non-credit (leveling) coursework may be required prior to admission into the program if you lack sufficient background course work. Any required leveling course work must be completed with grades of B or better prior to admission.

All students will have a faculty advisor and a graduate committee composed of a minimum of three graduate faculty members (including the faculty advisor). The faculty advisor will provide technical direction for the student's thesis, and the graduate committee will be responsible for approving the thesis proposal, receiving thesis progress reports, and approving the final thesis presentation and written report. Oral thesis defense will serve as the comprehensive examination.

Course Requirements

Code	Title	Hours
Required Courses		
ENGR 5100	Seminar in Engineering	1
ENGR 5310	Probability, Random Variables, & Stochastic Processes for Engineers	3
IE 5320	Modeling and Analysis of Manufacturing Systems	3
IE 5340	Applied Deterministic Operations Research for Engineers	3
Electives		
Choose 9 hours from the following:		9
CE 5320	Water Quality Management	
CE 5321	Transport and Fate of Contaminants	
CE 5340	Advanced Infrastructure Materials	
CE 5350	Highway Bridge Design	
CE 5360	Pavement Design	
CE 5370	Urban Stormwater Management	
CE 5372	Open Channel Flow	
CE 5390	Infrastructure Systems Analysis	
CE 5391	Advanced Mechanics of Materials	
EE 5320	Advanced Computer Architecture and Arithmetic	
EE 5321	Computer-Aided Engineering Simulations on HPC Systems	
EE 5323	Digital Image Processing	
EE 5330	Embedded and Real-Time Computing	
EE 5350	Advanced Electronic Circuit Design	
EE 5353	Fundamentals of Advanced Semiconductor Technology	
EE 5354	Flexible Electronics	
EE 5355	Electronic Materials and Devices	
EE 5360	Thin Film Technology	
EE 5372	Advanced Networking	
EE 5374	Introduction to Wireless Communication	
EE 5375	Smart Grid: an Application Development Platform	
EE 5377	Statistical Signal Processing	
EE 5385	Optoelectronic Devices	
EE 5398A	Antenna Theory, Design and Applications	
EE 5398B	Electronic Materials and Beyond for Sustainable Energy	
EE 5398C	Multimedia Signal Processing	
EE 5398D	Electroceramics	
ENGR 5384	Problems in Engineering	
IE 5310	Advanced Statistical Design of Experiments for Engineers	
IE 5330	Advanced Quality Control and Reliability Engineering	
IE 5343	Non-Linear Optimization Techniques for Engineers	
IE 5345	Advanced Optimization	
IE 5347	Modern Heuristic Optimization	
IE 5397	System Thinking and Analysis	
IE 5398A	Healthcare Systems Engineering	
IE 5398B	Response Surface Methodologies	
IE 5398C	Data-Intensive Analysis and Simulation for Engineers	
MFGE 5316	Advanced Computer Aided Design and Manufacturing	
MFGE 5318	Reverse Engineering and Freeform Fabrication	
MFGE 5320	Polymer Nanocomposites	
MFGE 5326	Advanced Robotics in Manufacturing Automation	
MFGE 5328	Advanced Control Techniques	
MFGE 5398A	Multiscale Manufacturing	
MFGE 5398B	Advanced Composite Materials	
Multidisciplinary Electives		
Choose 9 hours from the following:		9
Business Administration		
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368E	Environmental Law and Policy	
CIS 5358	Agile Project Management For Business Professionals	
CIS 5364	Data Warehousing	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
MGT 5311	Process Improvement Management in Organizations	
MGT 5315	New Venture Management	
MGT 5321	Supply Chain Management	
MGT 5390	Business Research Methods	
QMST 5335	Forecasting and Simulation	
Technology Management		
TECH 5315	Engineering Economic Analysis	
TECH 5382	Sustainability in Industrial Management	
TECH 5390	Research in Technology	
TECH 5392	Fundamentals of Microelectronics Manufacturing	
Computer Science		
CS 5306	Advanced Operating Systems	
CS 5346	Advanced Artificial Intelligence	
CS 5369L	Machine Learning and Applications	
Geography		
GEO 5312	Managing Urbanization	

GEO 5313	Environmental Management	
GEO 5334	Applied Water Resources	
GEO 5336	Transportation Systems	
GEO 5351	Regional Waste Management	
GEO 5352	Air Quality Management	
GEO 5393D	Water Resource Planning	
Mathematics		
MATH 5315	Mathematical Statistics	
MATH 5340	Scientific Computation	
MATH 5345	Regression Analysis	
MATH 5388	Discrete Mathematics	
MATH 5376A	Design and Analysis of Experiments	
MATH 5376B	Analysis of Variance	
MATH 5376D	Statistical Applications in Genetics and Bioinformatics	
Physics		
PHYS 5326	Electrical Characterization of Materials and Devices	
PHYS 5327	Semiconductor Device Physics	
Materials Science, Engineering and Commercialization		
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship	
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship	
MSEC 7310	Nanoscale Systems and Devices	
MSEC 7311	Materials Characterization	
MSEC 7340	Biomaterials and Biosensors	
Thesis		
ENGR 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
ENGR 5199B	Thesis	
ENGR 5299B	Thesis	
ENGR 5399B	Thesis	
ENGR 5599B	Thesis	
ENGR 5999B	Thesis	
Total Hours		34

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until

the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Engineering: ENGR (p. 2537), CE (p.), EE (p.), IE (p.), MFGE (p.)

Courses Offered

Engineering (ENGR)

ENGR 5100. Seminar in Engineering.
Graduate students attend seminars by invited speakers presenting relevant topics in academia and industry. The schedule of speakers will be developed each semester with strict faculty supervision. This course may only be taken for credit one time.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5101. Academic Instruction for Engineering Graduate Assistants.
This course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENGR 5105. Engineering Internship.
This course is a faculty-supervised, experiential, work-integrated learning course intended to help the student acquire engineering curriculum-related industrial experience and hence successfully make the transition into the workforce. Course cannot be counted toward graduation. Course may be repeated once. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5198B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5298B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5310. Probability, Random Variables, & Stochastic Processes for Engineers.
This course develops theory underlying analysis and design of systems. Fundamental distributional concepts, applications of statistical methods, and theory of stochastic processes are introduced to create a foundation for mathematical analysis of physical systems involving randomness. Applications to engineering topics are taught, including estimation, control, and systems theory. Prerequisite: IE 3320 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 5384. Problems in Engineering.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. This course may be repeated once for additional credit with permission of the School Director. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENGR 5398A. Project.
This course represents a student's initial project enrollment. No project credit is awarded until the student has completed the project in ENGR 5x98B. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5398B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the theses is completed in ENGR 5x99B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5598B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5998B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Civil Engineering (CE)

CE 5320. Water Quality Management.
This course is an advanced study of the processes used to monitor, measure, and manage water quality for municipal, commercial, or industrial use. The use of technology to enhance water quality management processes is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5321. Transport and Fate of Contaminants.
This course is a study of the transport and fate of contaminants in surface water, sub-surface water, and the atmosphere. Use of technology to monitor the transport and fate of contaminants is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5340. Advanced Infrastructure Materials.
This course is an advanced study of materials used in the construction of infrastructure assets. Topics include high-performance materials, nano-materials, and advanced material testing techniques. Use of technology to monitor in-situ performance of a material is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5350. Highway Bridge Design.
This course covers the design of highway bridge structures, including both the super- and sub-structure. Design is in accordance with current Federal Highway Administration (FHWA) specifications. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5360. Pavement Design.
This course covers the design of concrete, asphalt, and pervious pavements. Included are highway pavements, urban streets, airport pavements, industrial pavements, and roller compacted concrete. Design is in accordance with current FHWA specifications. Common construction methods are also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5370. Urban Stormwater Management.
This course examines the planning, design, operation, and maintenance of urban stormwater management systems. Political, social, economic, and environmental influences on such systems are examined. The impact of extreme events on stormwater systems and the urban landscape are also considered. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5372. Open Channel Flow.
This course is an advanced study of uniform, gradually varying, and rapid varying water flow in both natural and engineered open channels. The use of technology to monitor and maintain open channel structures is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5390. Infrastructure Systems Analysis.
This course is an advanced study of the planning, operation, and maintenance of municipal and commercial infrastructure assets. Political, social, economic, environmental, and engineering influences on infrastructure systems are addressed. Use of technology to enhance the safety and economic value of the infrastructure is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5391. Advanced Mechanics of Materials.
This course is an advanced study of stress, strain, and deformation in elastic bodies. Topics covered include torsion, unsymmetrical bending, nonlinear beams, stress concentrations, beams on elastic foundations, Mohr's circle, and an introduction to the theory of elasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Electrical Engineering (EE)

EE 5320. Advanced Computer Architecture and Arithmetic.
This course teaches design and analysis of high-performance computer systems, focusing on quantitative analysis of the latest processors and compilers. Current processor architectures are surveyed for system design. Topics include instruction sets, parallelizing architectures, pipelining, I/O, memory and cache organization, parallel/vector processing, fast arithmetic units design, and implementation using HDL. Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5321. Computer-Aided Engineering Simulations on HPC Systems.
This course covers development of simulations for engineering applications that are solved using High Performance Computing (HPC) environments. Topics include programming techniques for multicore processors, processor and memory architecture, computation for dense and spare linear algebra applications, computational temperature analysis, fluid dynamics, stencil and stochastic algorithms, and other applications. Prerequisite: EE 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5323. Digital Image Processing.
This course provides the necessary fundamental techniques to analyze and process digital images. It covers principles, concepts, and techniques of digital image processing and computer vision. Restricted to students enrolled in the MS Engineering program. Prerequisite: EE 3420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5330. Embedded and Real-Time Computing.
This course teaches development of embedded computing systems with strong resource constraints. Key concepts include managing constrained memory and processing speed limitations, and programming for soft and hard real-time constraints. Students will learn use of a Real-Time Operating System (RTOS). Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5331. Machine Learning for Engineering Applications.
This course covers an introduction to machine learning focused on deep learning techniques using engineering applications with Python. Topics include model characteristics, neural network theory, classifiers for network and signal processing applications, regression and convolutional modeling for object-detection, time-series and forecasting machine learning models for Smart City concepts. Prerequisite: ENGR 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5350. Advanced Electronic Circuit Design.
This course includes low and high power RF amplifier design techniques, oscillators, FM demodulators, limiters, and mixer design. Additional topics include circuit design to minimize intermodulation and other forms of distortion, and RD and high-speed analog circuits with emphasis on digital-friendly applications. Prerequisite: EE 4350 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5353. Fundamentals of Advanced Semiconductor Technology.
In this course students will learn key concepts and trends of advanced semiconductor device technology. Topics include Moore's law, MOSFET, CMOS and scaling, high-K gate dielectrics, new channel materials replacing silicon, three dimensional and compound semiconductor device structures. In addition students will be involved in laboratories and seminar presentations. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5354. Flexible Electronics.
This course will cover the materials systems, processes, device physics and applications of flexible electronics. The materials range from amorphous and nanocrystalline silicon, organic and polymeric semiconductors to solution cast films of carbon nanotubes. Real device discussions include high speed transistors, photovoltaics, flexible flat-panel displays, medical image sensors, etc. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5355. Electronic Materials and Devices.
This course covers theoretical concepts applicable to the understanding of unique properties exhibited by electronic materials, especially by dielectrics, oxide semiconductors, ferroelectrics, pyroelectrics, piezoelectrics, magnetic, and multifunctional and multiferroic materials. The various microelectronic devices and modern novel technologies based on these materials are emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5360. Thin Film Technology.
This course covers the theoretical and practical aspects of thin film technology in modern devices. The design and fabrication of thin film heterostructures is discussed. Growth and nucleation of epitaxial thin films with diverse properties and devices with combined properties will be emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5372. Advanced Networking.
This course develops important theoretical and application topics related to advanced networking. Theoretical topics are introduced using mathematical treatments, including queuing theory and some random processes. The course includes applications of these topics to communications networks, and focuses on architectures, applications and technologies which affect modern computer and data networks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5374. Introduction to Wireless Communication.
This course teaches principles and practices in designing and analyzing cellular and other wireless communication systems. Topics include RF propagation modeling, fast and slow fading, modulation, demodulation, coding, and multiple access techniques. Prerequisite: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5375. Smart Grid: an Application Development Platform.
In this course, students will learn how to develop real applications for the smart grid and model its performance with simulations and stochastic models. Topics include energy informatics, smart metering, home energy management, demand response, load disaggregation and APIs/OpenData. The mathematical tools used include: Optimization/Control, Machine Learning and Stochastic Processes. Prerequisites: EE 3370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5377. Statistical Signal Processing.
This course develops the theory and applications of random processes using mathematical treatments, including elementary discrete and continuous time linear systems theory, elementary probability, and transform theory. Topics include applications of random processes to information and communication theory, estimation and detection, control, signal processing, and stochastic systems theory. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5385. Optoelectronic Devices.
This course introduces the student to the concepts, physical operations, and design criteria of state-of-the-art optoelectronic devices and systems used in research, technology, medicine, communication, and other modern applications. Prerequisites: EE 3355 or EE 4350 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5398A. Antenna Theory, Design and Applications.
This course covers the basic theory, design and applications of antennas. The topics include antenna radiation, fundamental parameters of antennas, linear wire antennas, loop antennas, antenna arrays, long-periodic antennas, horn antennas, microstrip antennas and modern nano-antennas. Prerequisite: EE 3340 or EE 3370 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398B. Electronic Materials and Beyond for Sustainable Energy.
This course covers the basic science and technology for sustainable energy from the view of materials, where electronic materials are highly emphasized. The topics include solar cells, thermoelectrics, batteries, supercapacitors, artificial photosynthesis, fuel cells, biomass and nuclear energy. Prerequisite: EE 3355 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398C. Multimedia Signal Processing.
This course covers theory and applications of digital signal processing to multimedia signals, including speech, audio, image, and video. Key concepts and algorithms are discussed first, followed by a review of relevant industry standards. Hardware architectures and real-time implementation concepts appropriate for multimedia signals are also included. Prerequisites: EE 3370 and [EE 4323 or EE 4377] both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398D. Electroceramics.
This course covers binary and ternary phase diagrams, non-centro-symmetric crystal structures and symmetry groups, nonlinear dielectrics (ferroelectricity, piezoelectricity, pyroelectricity), nonlinear magnetics, oxide wideband gap semiconductors, detectors and sensors, introduction to MEMS, radhard electonics, and spintronics technology. Labs and additional research-oriented instruction are related to materials processing, characterization, fabrication, and testing. Prerequisite: EE 3355 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Industrial Engineering (IE)

IE 5310. Advanced Statistical Design of Experiments for Engineers.
This course examines the design and analysis of controlled experiments, demonstrating engineering applications of design of experiments (DOE) in the manufacturing and service industries. Topics include full and fractional factorial designs, response surface methodology, and Taguchi methods. In a semester-long project, students apply DOE to improve a real manufacturing process. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5320. Modeling and Analysis of Manufacturing Systems.
This course covers the methods for modeling and analyzing manufacturing systems. Critical manufacturing issues that are addressed by these models include sustainable production systems, material handling systems, scheduling, and supply chains. Prerequisite: IE 3320 and IE 3340 and MFGE 4396 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5330. Advanced Quality Control and Reliability Engineering.
This course provides in-depth knowledge in reliability modeling and maintenance optimization for components and systems. The course also covers advanced quality control techniques including multivariate process control. Methodologies are applied to solve practical problems arising from various industry domains. Restricted to students enrolled in the MS Engineering program. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5340. Applied Deterministic Operations Research for Engineers.
This course introduces students to modeling of linear, non-linear, and integer problems applied to engineering design, manufacturing, service, supply chain, healthcare and electrical systems. Mathematical programming software is emphasized in class exercises, homework, and project. Techniques including revised simplex method, duality theory, sensitivity analysis, and networks are also covered. Prerequisite: CS 1428 and MATH 3377 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5343. Non-Linear Optimization Techniques for Engineers.
This course covers engineering applications of mathematical modeling and computational methods for nonlinear programming problems. The primary goal of this course is to present techniques and strategies essential to optimize non-linear models. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5345. Advanced Optimization.
This course covers advanced concepts in linear and integer programming. Solution techniques for stochastic and dynamic programming and formulation and solution of decision models in manufacturing, service, supply chain, healthcare and electrical systems are presented. Prerequisite: IE 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5347. Modern Heuristic Optimization.
This course covers heuristic methods that search beyond local optima such as simulated annealing, tabu search, genetic algorithms, ant-colony systems and particle swarm. Papers from the literature, problem-specific heuristics, evaluation methods, and implementations are discussed. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5397. System Thinking and Analysis.
This course is an introduction to systems engineering and the systems thinking process, providing important considerations related to the engineering of large scale systems. These considerations include system understanding, modeling and design, the system development process, needs analysis, concept exploration and definition, design, integration and evaluation, and systems engineering management. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5398A. Healthcare Systems Engineering.
This course provides an introduction into healthcare delivery with particular attention to the application of systems engineering techniques. Topics include the organization of healthcare systems, characteristics of US healthcare, decision-making in the healthcare environment, health informatics, and performance measurement tools. Student project involves integration and application of systems engineering methodologies. Prerequisite: IE 5340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398B. Response Surface Methodologies.
This course continues the examination of the design and analysis of controlled experiments, demonstrating how design of experiments (DOE) and response surface methodologies (RSM) are used in product optimization and process improvement. Topics include factorial and fractional factorial designs, steepest ascent, fitting response surfaces, variance-optimal design, and mixture experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398C. Data-Intensive Analysis and Simulation for Engineers.
This course covers foundational topics in data science, including data-intensive analysis and simulation. Specific topics include data science, data extracting and preprocessing, data visualization, and design of simulation experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Manufacturing Engineering (MFGE)

MFGE 5316. Advanced Computer Aided Design and Manufacturing.
Topics include design process, mathematical presentation of wireframe/surface/solid modes, transformation and manipulation of objects, finite element analysis, data exchange, process planning, fundamentals of multi-axis NC programming for turning and milling processes, fundamentals of CAD/CAM systems, CNC code generation by CAD.CAM software for the CNC, and waterjet machines. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5318. Additive Manufacturing.
The course covers theory, techniques, and applications of Advanced Reverse Engineering & Freedom Fabrication. Topics include reverse engineering generic process, reverse modeling, contact and noncontact scanning, point cloud, geometric modeling, data extraction, rapid prototyping processes, uniform and adaptive slicing, industrial and medical applications, hardware, and software. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5320. Polymer Nanocomposites.
This course covers polymer nanocomposites focusing on materials, manufacturing, characterization, and applications. The primary focus is on fiber reinforced polymer nanocomposites. Morphological, Thermal, Mechanical, and Electrical Characterization will be discussed in detail. Applications include fire-resistant, ablative, fatigue-resistant, impact-resistant, and bio-based composites. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5326. Advanced Robotics in Manufacturing Automation.
This course covers principles and techniques involved in advanced robotics. Topics include introduction to robotics, industrial robotics, robot kinematics, path planning, robot dynamics, advanced control, force control, sensors and actuators, mobile robotics, and introduction to nanorobotics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5328. Advanced Control Techniques.
This course covers advanced control techniques in manufacturing processes. Topics include modeling of dynamic systems, feedback control systems analysis, stability analysis, PID control, optimal control, programmable logic control, design of control systems, transducer and sensor technology, and digital control. Registration requires instructor's approval. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5398A. Multiscale Manufacturing.
This course covers multiscale manufacturing processes, techniques, and applications. Topics include micro and nano-manufacturing, polymer and semiconductor fabrication, thin film technologies, bulk and surface micromachining, physics of multiscale manufacturing, microelectromechanical (MEMS) devices, and design issues for fabrication of micro and nano-systems. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MFGE 5398B. Advanced Composite Materials.
This course examines various aspects of fiber-reinforced polymeric composites. The topics covered include constituent materials (fibers and matrices), mechanics, performance, manufacturing, and introduction to nanocomposites, This course also provides introductory treatments concerning ceramic matrix composites, metal matrix composites, and carbon/carbon composites.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Engineering (Mechanical and Manufacturing Engineering Project Option)

Major Program

The Master of Science (M.S.) degree with a major in Engineering provides a practical, industry-driven focus via a long-term, targeted technical project or thesis related to real-world engineering applications. These projects will be conducted in partnership with local industries and may involve off-campus collaborations. The degree requires a large-scale project or thesis because the abilities to solve problems, innovate and make immediate contributions to industry are best developed by having students confront a large, open-ended problem; perform detailed research on the problem; develop various solutions; choose and implement the best solution; validate their choice; and effectively communicate the process to professional colleagues, executives, and customers.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree engineering, computer science, physics, technology, or a closely related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV detailing prior work experience, research experience, awards, scholarships, and other related qualifications
- statement of purpose (two pages) conveying research interests, plans for graduate study, and professional aspirations
- two letters of recommendation from non-related individuals familiar with the student's scholarly work and/or relevant work experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Engineering concentration in Mechanical and Manufacturing Engineering requires 34 semester credit hours, including a project.

Non-credit (leveling) coursework may be required prior to admission into the program if you lack sufficient background course work. Any required leveling course work must be completed with grades of B or better prior to admission.

All students will have a faculty advisor and a graduate committee composed of a minimum of three graduate faculty members (including the faculty advisor). The faculty advisor will provide technical direction for the student's project, and the graduate committee will be responsible for approving the project proposal, receiving project progress reports, and approving the final project presentation and written report. Oral project presentation will serve as the comprehensive examination.

Course Requirements

Code	Title	Hours
Required Courses		
ENGR 5100	Seminar in Engineering	1
ENGR 5310	Probability, Random Variables, & Stochastic Processes for Engineers	3
MFGE 5316	Advanced Computer Aided Design and Manufacturing	3
MFGE 5326	Advanced Robotics in Manufacturing Automation	3
Electives		
Choose 9 hours from the following:		9
EE 5320	Advanced Computer Architecture and Arithmetic	
CE 5320	Water Quality Management	
CE 5321	Transport and Fate of Contaminants	
CE 5340	Advanced Infrastructure Materials	
CE 5350	Highway Bridge Design	
CE 5360	Pavement Design	
CE 5370	Urban Stormwater Management	
CE 5372	Open Channel Flow	
CE 5390	Infrastructure Systems Analysis	
CE 5391	Advanced Mechanics of Materials	
EE 5321	Computer-Aided Engineering Simulations on HPC Systems	
EE 5323	Digital Image Processing	
EE 5330	Embedded and Real-Time Computing	
EE 5353	Fundamentals of Advanced Semiconductor Technology	
EE 5354	Flexible Electronics	
EE 5350	Advanced Electronic Circuit Design	
EE 5355	Electronic Materials and Devices	
EE 5360	Thin Film Technology	
EE 5372	Advanced Networking	

EE 5374	Introduction to Wireless Communication	
EE 5375	Smart Grid: an Application Development Platform	
EE 5377	Statistical Signal Processing	
EE 5385	Optoelectronic Devices	
EE 5398A	Antenna Theory, Design and Applications	
EE 5398B	Electronic Materials and Beyond for Sustainable Energy	
EE 5398C	Multimedia Signal Processing	
EE 5398D	Electroceramics	
ENGR 5384	Problems in Engineering	
IE 5310	Advanced Statistical Design of Experiments for Engineers	
IE 5320	Modeling and Analysis of Manufacturing Systems	
IE 5330	Advanced Quality Control and Reliability Engineering	
IE 5340	Applied Deterministic Operations Research for Engineers	
IE 5343	Non-Linear Optimization Techniques for Engineers	
IE 5345	Advanced Optimization	
IE 5347	Modern Heuristic Optimization	
IE 5397	System Thinking and Analysis	
IE 5398A	Healthcare Systems Engineering	
IE 5398B	Response Surface Methodologies	
IE 5398C	Data-Intensive Analysis and Simulation for Engineers	
MFGE 5318	Reverse Engineering and Freeform Fabrication	
MFGE 5320	Polymer Nanocomposites	
MFGE 5328	Advanced Control Techniques	
MFGE 5398A	Multiscale Manufacturing	
MFGE 5398B	Advanced Composite Materials	
Multidisciplinary Electives		
Choose 9 hours from the following:		9
Business Administration		
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368E	Environmental Law and Policy	
CIS 5358	Agile Project Management For Business Professionals	
CIS 5364	Data Warehousing	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
MGT 5311	Process Improvement Management in Organizations	
MGT 5315	New Venture Management	
MGT 5321	Supply Chain Management	
MGT 5390	Business Research Methods	
QMST 5335	Forecasting and Simulation	
Technology Management		
TECH 5315	Engineering Economic Analysis	
TECH 5382	Sustainability in Industrial Management	
TECH 5390	Research in Technology	
TECH 5392	Fundamentals of Microelectronics Manufacturing	
Computer Science		
CS 5306	Advanced Operating Systems	
CS 5346	Advanced Artificial Intelligence	
CS 5369L	Machine Learning and Applications	
Geography		
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	
GEO 5334	Applied Water Resources	
GEO 5336	Transportation Systems	
GEO 5351	Regional Waste Management	
GEO 5352	Air Quality Management	
GEO 5393D	Water Resource Planning	
Mathematics		
MATH 5315	Mathematical Statistics	
MATH 5340	Scientific Computation	
MATH 5345	Regression Analysis	
MATH 5388	Discrete Mathematics	
MATH 5376A	Design and Analysis of Experiments	
MATH 5376B	Analysis of Variance	
MATH 5376D	Statistical Applications in Genetics and Bioinformatics	
Physics		
PHYS 5326	Electrical Characterization of Materials and Devices	
PHYS 5327	Semiconductor Device Physics	
Materials Science, Engineering and Commercialization		
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship	
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship	
MSEC 7310	Nanoscale Systems and Devices	
MSEC 7311	Materials Characterization	
MSEC 7340	Biomaterials and Biosensors	
Project		
ENGR 5398A	Project	3
Choose a minimum of 3 hours from the following:		3
ENGR 5198B	Project	
ENGR 5298B	Project	
ENGR 5398B	Project	
ENGR 5598B	Project	
ENGR 5998B	Project	
Total Hours		34

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the project option for the degree, a committee to direct the project activity will be established. The project outcomes and deliverables will be specified by the project committee, and will include a written project report (similar in depth to a research thesis). In addition to demonstrating the student's capability for topical research and/or technical development, the project must also demonstrate the student's capability for independent thought and ability to completely resolve an unstructured technical problem. The structure and format of

the project report will be specified by the project committee and may leverage portions of the Graduate College's Guide to Preparing and Submitting a Thesis or Dissertation. However, the project report will not be submitted to The Graduate College for publication and dissemination.

Project Proposal

The student must submit an official Master's Project Proposal form to their project committee. The required project proposal form may be obtained from the program's website http://www.engineering.txstate.edu/Programs/Graduate.html. After signing the form and obtaining committee members' signatures and graduate advisor's signature the student must submit the project proposal form with one copy of the proposal attached to the Director of the Ingram School of Engineering for approval before proceeding with project activity. If the project activity involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to the Ingram School. If the project activity involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended the project proposal form be submitted to the Director of the Ingram School by the end of the student's enrollment in ENGR 5398A.

Project Committee

The project committee must be composed of a minimum of three approved graduate faculty members. The chair of the project committee and at least one other committee member must be Ingram School faculty. The committee may contain additional members from industry sponsors or agencies, at the request of the sponsor or the preference of the committee chair.

Project Enrollment and Credit

The completion of a minimum of six hours of project enrollment is required. Students will enroll in ENGR 5398A for initial project activity and ENGR 5x98B for subsequent project activity. Preliminary discussions regarding the selection of a topic and assignment to a project supervisor are required prior to enrollment for ENGR 5398A.

A student will be required to enroll in and pay the fee for at least one hour of the project course during any term in which the student will receive project supervision or guidance and/or in which the student is using university resources. Failure to register for the appropriate project course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in ENGR 5398A, the student will continue to enroll in ENGR 5x98B until the project is successfully completed, as specified by the project committee. In the rare case when a student has not previously enrolled in ENGR 5398A and plans to work on and complete the project in one term, the student may enroll concurrently in both 5398A and 5398B. The only grades assigned for project courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a project course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the project is completed. The minimum number of hours of project credit ("CR") will be awarded only after the project report is approved by the project committee, and has been submitted to and approved by the Ingram School of Engineering. A student who has selected the project option must be registered for the appropriate project course during the term or Summer I (during summer the project course runs ten weeks for both sessions) in which the degree will be conferred.

Project Deadlines and Approval Process

Project deadlines are the same as the thesis deadlines posted at the following web page: http://www.gradcollege.txstate.edu/Thes-Diss_Info/T-D_Deadlines.html. The completed project report must be submitted to the chair of the project committee no later than 41 days before the date of the commencement at which the degree is to be conferred.

The following must be submitted to the office of Ingram School no later than 24 days, not counting weekends or holidays, before the date of commencement at which the degree is to be conferred (see The Graduate College webpage for specific deadlines):

1. The Project Committee Approval form bearing original signatures of the student and all committee members.
2. One (1) copy of the project report in final form, approved by all committee members, on standard paper (Hard-copy Submission Option) **or** PDF of the project report in final form, approved by all committee members, submitted to the Ingram School of Engineering.

After the Director of the Ingram School approves the project report, the student may take personal copies to the Alkek Library and pay the binding fee for personal use.

Master's level courses in Engineering: ENGR (p. 2545), CE (p.), EE (p.), IE (p.), MFGE (p.)

Courses Offered

Engineering (ENGR)

ENGR 5100. Seminar in Engineering.
Graduate students attend seminars by invited speakers presenting relevant topics in academia and industry. The schedule of speakers will be developed each semester with strict faculty supervision. This course may only be taken for credit one time.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5101. Academic Instruction for Engineering Graduate Assistants.
This course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENGR 5105. Engineering Internship.
This course is a faculty-supervised, experiential, work-integrated learning course intended to help the student acquire engineering curriculum-related industrial experience and hence successfully make the transition into the workforce. Course cannot be counted toward graduation. Course may be repeated once. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5198B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5298B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5310. Probability, Random Variables, & Stochastic Processes for Engineers.
This course develops theory underlying analysis and design of systems. Fundamental distributional concepts, applications of statistical methods, and theory of stochastic processes are introduced to create a foundation for mathematical analysis of physical systems involving randomness. Applications to engineering topics are taught, including estimation, control, and systems theory. Prerequisite: IE 3320 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 5384. Problems in Engineering.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. This course may be repeated once for additional credit with permission of the School Director. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENGR 5398A. Project.
This course represents a student's initial project enrollment. No project credit is awarded until the student has completed the project in ENGR 5x98B. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5398B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the theses is completed in ENGR 5x99B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5598B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5998B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Civil Engineering (CE)

CE 5320. Water Quality Management.
This course is an advanced study of the processes used to monitor, measure, and manage water quality for municipal, commercial, or industrial use. The use of technology to enhance water quality management processes is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5321. Transport and Fate of Contaminants.
This course is a study of the transport and fate of contaminants in surface water, sub-surface water, and the atmosphere. Use of technology to monitor the transport and fate of contaminants is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5340. Advanced Infrastructure Materials.
This course is an advanced study of materials used in the construction of infrastructure assets. Topics include high-performance materials, nano-materials, and advanced material testing techniques. Use of technology to monitor in-situ performance of a material is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5350. Highway Bridge Design.
This course covers the design of highway bridge structures, including both the super- and sub-structure. Design is in accordance with current Federal Highway Administration (FHWA) specifications. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5360. Pavement Design.
This course covers the design of concrete, asphalt, and pervious pavements. Included are highway pavements, urban streets, airport pavements, industrial pavements, and roller compacted concrete. Design is in accordance with current FHWA specifications. Common construction methods are also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5370. Urban Stormwater Management.
This course examines the planning, design, operation, and maintenance of urban stormwater management systems. Political, social, economic, and environmental influences on such systems are examined. The impact of extreme events on stormwater systems and the urban landscape are also considered. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5372. Open Channel Flow.
This course is an advanced study of uniform, gradually varying, and rapid varying water flow in both natural and engineered open channels. The use of technology to monitor and maintain open channel structures is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5390. Infrastructure Systems Analysis.
This course is an advanced study of the planning, operation, and maintenance of municipal and commercial infrastructure assets. Political, social, economic, environmental, and engineering influences on infrastructure systems are addressed. Use of technology to enhance the safety and economic value of the infrastructure is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5391. Advanced Mechanics of Materials.
This course is an advanced study of stress, strain, and deformation in elastic bodies. Topics covered include torsion, unsymmetrical bending, nonlinear beams, stress concentrations, beams on elastic foundations, Mohr's circle, and an introduction to the theory of elasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Electrical Engineering (EE)

EE 5320. Advanced Computer Architecture and Arithmetic.
This course teaches design and analysis of high-performance computer systems, focusing on quantitative analysis of the latest processors and compilers. Current processor architectures are surveyed for system design. Topics include instruction sets, parallelizing architectures, pipelining, I/O, memory and cache organization, parallel/vector processing, fast arithmetic units design, and implementation using HDL. Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5321. Computer-Aided Engineering Simulations on HPC Systems.
This course covers development of simulations for engineering applications that are solved using High Performance Computing (HPC) environments. Topics include programming techniques for multicore processors, processor and memory architecture, computation for dense and spare linear algebra applications, computational temperature analysis, fluid dynamics, stencil and stochastic algorithms, and other applications. Prerequisite: EE 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5323. Digital Image Processing.
This course provides the necessary fundamental techniques to analyze and process digital images. It covers principles, concepts, and techniques of digital image processing and computer vision. Restricted to students enrolled in the MS Engineering program. Prerequisite: EE 3420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5330. Embedded and Real-Time Computing.
This course teaches development of embedded computing systems with strong resource constraints. Key concepts include managing constrained memory and processing speed limitations, and programming for soft and hard real-time constraints. Students will learn use of a Real-Time Operating System (RTOS). Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5331. Machine Learning for Engineering Applications.
This course covers an introduction to machine learning focused on deep learning techniques using engineering applications with Python. Topics include model characteristics, neural network theory, classifiers for network and signal processing applications, regression and convolutional modeling for object-detection, time-series and forecasting machine learning models for Smart City concepts. Prerequisite: ENGR 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5350. Advanced Electronic Circuit Design.
This course includes low and high power RF amplifier design techniques, oscillators, FM demodulators, limiters, and mixer design. Additional topics include circuit design to minimize intermodulation and other forms of distortion, and RD and high-speed analog circuits with emphasis on digital-friendly applications. Prerequisite: EE 4350 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5353. Fundamentals of Advanced Semiconductor Technology.
In this course students will learn key concepts and trends of advanced semiconductor device technology. Topics include Moore's law, MOSFET, CMOS and scaling, high-K gate dielectrics, new channel materials replacing silicon, three dimensional and compound semiconductor device structures. In addition students will be involved in laboratories and seminar presentations. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5354. Flexible Electronics.
This course will cover the materials systems, processes, device physics and applications of flexible electronics. The materials range from amorphous and nanocrystalline silicon, organic and polymeric semiconductors to solution cast films of carbon nanotubes. Real device discussions include high speed transistors, photovoltaics, flexible flat-panel displays, medical image sensors, etc. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5355. Electronic Materials and Devices.
This course covers theoretical concepts applicable to the understanding of unique properties exhibited by electronic materials, especially by dielectrics, oxide semiconductors, ferroelectrics, pyroelectrics, piezoelectrics, magnetic, and multifunctional and multiferroic materials. The various microelectronic devices and modern novel technologies based on these materials are emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5360. Thin Film Technology.
This course covers the theoretical and practical aspects of thin film technology in modern devices. The design and fabrication of thin film heterostructures is discussed. Growth and nucleation of epitaxial thin films with diverse properties and devices with combined properties will be emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5372. Advanced Networking.
This course develops important theoretical and application topics related to advanced networking. Theoretical topics are introduced using mathematical treatments, including queuing theory and some random processes. The course includes applications of these topics to communications networks, and focuses on architectures, applications and technologies which affect modern computer and data networks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5374. Introduction to Wireless Communication.
This course teaches principles and practices in designing and analyzing cellular and other wireless communication systems. Topics include RF propagation modeling, fast and slow fading, modulation, demodulation, coding, and multiple access techniques. Prerequisite: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5375. Smart Grid: an Application Development Platform.
In this course, students will learn how to develop real applications for the smart grid and model its performance with simulations and stochastic models. Topics include energy informatics, smart metering, home energy management, demand response, load disaggregation and APIs/OpenData. The mathematical tools used include: Optimization/Control, Machine Learning and Stochastic Processes. Prerequisites: EE 3370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5377. Statistical Signal Processing.
This course develops the theory and applications of random processes using mathematical treatments, including elementary discrete and continuous time linear systems theory, elementary probability, and transform theory. Topics include applications of random processes to information and communication theory, estimation and detection, control, signal processing, and stochastic systems theory. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5385. Optoelectronic Devices.
This course introduces the student to the concepts, physical operations, and design criteria of state-of-the-art optoelectronic devices and systems used in research, technology, medicine, communication, and other modern applications. Prerequisites: EE 3355 or EE 4350 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5398A. Antenna Theory, Design and Applications.
This course covers the basic theory, design and applications of antennas. The topics include antenna radiation, fundamental parameters of antennas, linear wire antennas, loop antennas, antenna arrays, long-periodic antennas, horn antennas, microstrip antennas and modern nano-antennas. Prerequisite: EE 3340 or EE 3370 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398B. Electronic Materials and Beyond for Sustainable Energy.
This course covers the basic science and technology for sustainable energy from the view of materials, where electronic materials are highly emphasized. The topics include solar cells, thermoelectrics, batteries, supercapacitors, artificial photosynthesis, fuel cells, biomass and nuclear energy. Prerequisite: EE 3355 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398C. Multimedia Signal Processing.
This course covers theory and applications of digital signal processing to multimedia signals, including speech, audio, image, and video. Key concepts and algorithms are discussed first, followed by a review of relevant industry standards. Hardware architectures and real-time implementation concepts appropriate for multimedia signals are also included. Prerequisites: EE 3370 and [EE 4323 or EE 4377] both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398D. Electroceramics.
This course covers binary and ternary phase diagrams, non-centro-symmetric crystal structures and symmetry groups, nonlinear dielectrics (ferroelectricity, piezoelectricity, pyroelectricity), nonlinear magnetics, oxide wideband gap semiconductors, detectors and sensors, introduction to MEMS, radhard electonics, and spintronics technology. Labs and additional research-oriented instruction are related to materials processing, characterization, fabrication, and testing. Prerequisite: EE 3355 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Industrial Engineering (IE)

IE 5310. Advanced Statistical Design of Experiments for Engineers.
This course examines the design and analysis of controlled experiments, demonstrating engineering applications of design of experiments (DOE) in the manufacturing and service industries. Topics include full and fractional factorial designs, response surface methodology, and Taguchi methods. In a semester-long project, students apply DOE to improve a real manufacturing process. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5320. Modeling and Analysis of Manufacturing Systems.
This course covers the methods for modeling and analyzing manufacturing systems. Critical manufacturing issues that are addressed by these models include sustainable production systems, material handling systems, scheduling, and supply chains. Prerequisite: IE 3320 and IE 3340 and MFGE 4396 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5330. Advanced Quality Control and Reliability Engineering.
This course provides in-depth knowledge in reliability modeling and maintenance optimization for components and systems. The course also covers advanced quality control techniques including multivariate process control. Methodologies are applied to solve practical problems arising from various industry domains. Restricted to students enrolled in the MS Engineering program. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5340. Applied Deterministic Operations Research for Engineers.
This course introduces students to modeling of linear, non-linear, and integer problems applied to engineering design, manufacturing, service, supply chain, healthcare and electrical systems. Mathematical programming software is emphasized in class exercises, homework, and project. Techniques including revised simplex method, duality theory, sensitivity analysis, and networks are also covered. Prerequisite: CS 1428 and MATH 3377 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5343. Non-Linear Optimization Techniques for Engineers.
This course covers engineering applications of mathematical modeling and computational methods for nonlinear programming problems. The primary goal of this course is to present techniques and strategies essential to optimize non-linear models. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5345. Advanced Optimization.
This course covers advanced concepts in linear and integer programming. Solution techniques for stochastic and dynamic programming and formulation and solution of decision models in manufacturing, service, supply chain, healthcare and electrical systems are presented. Prerequisite: IE 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5347. Modern Heuristic Optimization.
This course covers heuristic methods that search beyond local optima such as simulated annealing, tabu search, genetic algorithms, ant-colony systems and particle swarm. Papers from the literature, problem-specific heuristics, evaluation methods, and implementations are discussed. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5397. System Thinking and Analysis.
This course is an introduction to systems engineering and the systems thinking process, providing important considerations related to the engineering of large scale systems. These considerations include system understanding, modeling and design, the system development process, needs analysis, concept exploration and definition, design, integration and evaluation, and systems engineering management. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5398A. Healthcare Systems Engineering.
This course provides an introduction into healthcare delivery with particular attention to the application of systems engineering techniques. Topics include the organization of healthcare systems, characteristics of US healthcare, decision-making in the healthcare environment, health informatics, and performance measurement tools. Student project involves integration and application of systems engineering methodologies. Prerequisite: IE 5340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398B. Response Surface Methodologies.
This course continues the examination of the design and analysis of controlled experiments, demonstrating how design of experiments (DOE) and response surface methodologies (RSM) are used in product optimization and process improvement. Topics include factorial and fractional factorial designs, steepest ascent, fitting response surfaces, variance-optimal design, and mixture experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398C. Data-Intensive Analysis and Simulation for Engineers.
This course covers foundational topics in data science, including data-intensive analysis and simulation. Specific topics include data science, data extracting and preprocessing, data visualization, and design of simulation experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Manufacturing Engineering (MFGE)

MFGE 5316. Advanced Computer Aided Design and Manufacturing.
Topics include design process, mathematical presentation of wireframe/surface/solid modes, transformation and manipulation of objects, finite element analysis, data exchange, process planning, fundamentals of multi-axis NC programming for turning and milling processes, fundamentals of CAD/CAM systems, CNC code generation by CAD.CAM software for the CNC, and waterjet machines. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5318. Additive Manufacturing.
The course covers theory, techniques, and applications of Advanced Reverse Engineering & Freedom Fabrication. Topics include reverse engineering generic process, reverse modeling, contact and noncontact scanning, point cloud, geometric modeling, data extraction, rapid prototyping processes, uniform and adaptive slicing, industrial and medical applications, hardware, and software. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5320. Polymer Nanocomposites.
This course covers polymer nanocomposites focusing on materials, manufacturing, characterization, and applications. The primary focus is on fiber reinforced polymer nanocomposites. Morphological, Thermal, Mechanical, and Electrical Characterization will be discussed in detail. Applications include fire-resistant, ablative, fatigue-resistant, impact-resistant, and bio-based composites. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5326. Advanced Robotics in Manufacturing Automation.
This course covers principles and techniques involved in advanced robotics. Topics include introduction to robotics, industrial robotics, robot kinematics, path planning, robot dynamics, advanced control, force control, sensors and actuators, mobile robotics, and introduction to nanorobotics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5328. Advanced Control Techniques.
This course covers advanced control techniques in manufacturing processes. Topics include modeling of dynamic systems, feedback control systems analysis, stability analysis, PID control, optimal control, programmable logic control, design of control systems, transducer and sensor technology, and digital control. Registration requires instructor's approval. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5398A. Multiscale Manufacturing.
This course covers multiscale manufacturing processes, techniques, and applications. Topics include micro and nano-manufacturing, polymer and semiconductor fabrication, thin film technologies, bulk and surface micromachining, physics of multiscale manufacturing, microelectromechanical (MEMS) devices, and design issues for fabrication of micro and nano-systems. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MFGE 5398B. Advanced Composite Materials.
This course examines various aspects of fiber-reinforced polymeric composites. The topics covered include constituent materials (fibers and matrices), mechanics, performance, manufacturing, and introduction to nanocomposites, This course also provides introductory treatments concerning ceramic matrix composites, metal matrix composites, and carbon/carbon composites.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Engineering (Mechanical and Manufacturing Engineering Thesis Option)

Major Program

The Master of Science (M.S.) degree with a major in Engineering provides a practical, industry-driven focus via a long-term, targeted technical project or thesis related to real-world engineering applications. These projects will be conducted in partnership with local industries and may involve off-campus collaborations. The degree requires a large-scale project or thesis because the abilities to solve problems, innovate and make immediate contributions to industry are best developed by having students confront a large, open-ended problem; perform detailed research on the problem; develop various solutions; choose and implement the best solution; validate their choice; and effectively communicate the process to professional colleagues, executives, and customers.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree engineering, computer science, physics, technology, or a closely related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- resume/CV detailing prior work experience, research experience, awards, scholarships, and other related qualifications
- statement of purpose (two pages) conveying research interests, plans for graduate study, and professional aspirations
- two letters of recommendation from non-related individuals familiar with the student's scholarly work and/or relevant work experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Engineering concentration in Mechanical and Manufacturing Engineering requires 34 semester credit hours, including a thesis.

Non-credit (leveling) coursework may be required prior to admission into the program if you lack sufficient background course work. Any required leveling course work must be completed with grades of B or better prior to admission.

All students will have a faculty advisor and a graduate committee composed of a minimum of three graduate faculty members (including the faculty advisor). The faculty advisor will provide technical direction for the student's thesis, and the graduate committee will be responsible for approving the thesis proposal, receiving thesis progress reports, and

approving the final thesis presentation and written report. Oral thesis defense will serve as the comprehensive examination.

Course Requirements

Code	Title	Hours
Required Courses		
ENGR 5100	Seminar in Engineering	1
ENGR 5310	Probability, Random Variables, & Stochastic Processes for Engineers	3
MFGE 5316	Advanced Computer Aided Design and Manufacturing	3
MFGE 5326	Advanced Robotics in Manufacturing Automation	3
Electives		
Choose 9 hours from the following:		9
CE 5320	Water Quality Management	
CE 5321	Transport and Fate of Contaminants	
CE 5340	Advanced Infrastructure Materials	
CE 5350	Highway Bridge Design	
CE 5360	Pavement Design	
CE 5370	Urban Stormwater Management	
CE 5372	Open Channel Flow	
CE 5390	Infrastructure Systems Analysis	
CE 5391	Advanced Mechanics of Materials	
EE 5320	Advanced Computer Architecture and Arithmetic	
EE 5321	Computer-Aided Engineering Simulations on HPC Systems	
EE 5323	Digital Image Processing	
EE 5330	Embedded and Real-Time Computing	
EE 5353	Fundamentals of Advanced Semiconductor Technology	
EE 5354	Flexible Electronics	
EE 5350	Advanced Electronic Circuit Design	
EE 5355	Electronic Materials and Devices	
EE 5360	Thin Film Technology	
EE 5372	Advanced Networking	
EE 5374	Introduction to Wireless Communication	
EE 5375	Smart Grid: an Application Development Platform	
EE 5377	Statistical Signal Processing	
EE 5385	Optoelectronic Devices	
EE 5398A	Antenna Theory, Design and Applications	
EE 5398B	Electronic Materials and Beyond for Sustainable Energy	
EE 5398C	Multimedia Signal Processing	
EE 5398D	Electroceramics	
ENGR 5384	Problems in Engineering	
IE 5310	Advanced Statistical Design of Experiments for Engineers	
IE 5320	Modeling and Analysis of Manufacturing Systems	
IE 5330	Advanced Quality Control and Reliability Engineering	
IE 5340	Applied Deterministic Operations Research for Engineers	
IE 5343	Non-Linear Optimization Techniques for Engineers	
IE 5345	Advanced Optimization	
IE 5347	Modern Heuristic Optimization	
IE 5397	System Thinking and Analysis	
IE 5398A	Healthcare Systems Engineering	
IE 5398B	Response Surface Methodologies	
IE 5398C	Data-Intensive Analysis and Simulation for Engineers	
MFGE 5318	Reverse Engineering and Freeform Fabrication	
MFGE 5320	Polymer Nanocomposites	
MFGE 5328	Advanced Control Techniques	
MFGE 5398A	Multiscale Manufacturing	
MFGE 5398B	Advanced Composite Materials	
Multidisciplinary Electives		
Choose 9 hours from the following:		9
Business Administration		
BLAW 5333	Legal Issues of Sustainability and Responsibility	
BLAW 5368E	Environmental Law and Policy	
CIS 5358	Agile Project Management For Business Professionals	
CIS 5364	Data Warehousing	
CIS 5370	Enterprise Resource Planning and Business Intelligence	
MGT 5311	Process Improvement Management in Organizations	
MGT 5315	New Venture Management	
MGT 5321	Supply Chain Management	
MGT 5390	Business Research Methods	
QMST 5335	Forecasting and Simulation	
Technology Management		
TECH 5315	Engineering Economic Analysis	
TECH 5382	Sustainability in Industrial Management	
TECH 5390	Research in Technology	
TECH 5392	Fundamentals of Microelectronics Manufacturing	
Computer Science		
CS 5306	Advanced Operating Systems	
CS 5346	Advanced Artificial Intelligence	
CS 5369L	Machine Learning and Applications	
Geography		
GEO 5312	Managing Urbanization	
GEO 5313	Environmental Management	
GEO 5334	Applied Water Resources	
GEO 5336	Transportation Systems	
GEO 5351	Regional Waste Management	
GEO 5352	Air Quality Management	
GEO 5393D	Water Resource Planning	
Mathematics		
MATH 5315	Mathematical Statistics	
MATH 5340	Scientific Computation	
MATH 5345	Regression Analysis	
MATH 5388	Discrete Mathematics	
MATH 5376A	Design and Analysis of Experiments	
MATH 5376B	Analysis of Variance	
MATH 5376D	Statistical Applications in Genetics and Bioinformatics	

Physics		
PHYS 5326	Electrical Characterization of Materials and Devices	
PHYS 5327	Semiconductor Device Physics	
Materials Science, Engineering and Commercialization		
MSEC 7301	Practical Skills in Commercialization and Entrepreneurship	
MSEC 7302	Leadership Skills in Commercialization and Entrepreneurship	
MSEC 7310	Nanoscale Systems and Devices	
MSEC 7311	Materials Characterization	
MSEC 7340	Biomaterials and Biosensors	
Thesis		
ENGR 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
ENGR 5199B	Thesis	
ENGR 5299B	Thesis	
ENGR 5399B	Thesis	
ENGR 5599B	Thesis	
ENGR 5999B	Thesis	
Total Hours		34

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Engineering: ENGR (p. 2554), CE (p.), EE (p.), IE (p.), MFGE (p.)

Courses Offered

Engineering (ENGR)

ENGR 5100. Seminar in Engineering.
Graduate students attend seminars by invited speakers presenting relevant topics in academia and industry. The schedule of speakers will be developed each semester with strict faculty supervision. This course may only be taken for credit one time.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5101. Academic Instruction for Engineering Graduate Assistants.
This course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENGR 5105. Engineering Internship.
This course is a faculty-supervised, experiential, work-integrated learning course intended to help the student acquire engineering curriculum-related industrial experience and hence successfully make the transition into the workforce. Course cannot be counted toward graduation. Course may be repeated once. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5198B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5298B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5310. Probability, Random Variables, & Stochastic Processes for Engineers.
This course develops theory underlying analysis and design of systems. Fundamental distributional concepts, applications of statistical methods, and theory of stochastic processes are introduced to create a foundation for mathematical analysis of physical systems involving randomness. Applications to engineering topics are taught, including estimation, control, and systems theory. Prerequisite: IE 3320 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 5384. Problems in Engineering.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. This course may be repeated once for additional credit with permission of the School Director. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENGR 5398A. Project.
This course represents a student's initial project enrollment. No project credit is awarded until the student has completed the project in ENGR 5x98B. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5398B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the theses is completed in ENGR 5x99B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5598B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5998B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Civil Engineering (CE)

CE 5320. Water Quality Management.
This course is an advanced study of the processes used to monitor, measure, and manage water quality for municipal, commercial, or industrial use. The use of technology to enhance water quality management processes is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5321. Transport and Fate of Contaminants.
This course is a study of the transport and fate of contaminants in surface water, sub-surface water, and the atmosphere. Use of technology to monitor the transport and fate of contaminants is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5340. Advanced Infrastructure Materials.
This course is an advanced study of materials used in the construction of infrastructure assets. Topics include high-performance materials, nano-materials, and advanced material testing techniques. Use of technology to monitor in-situ performance of a material is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5350. Highway Bridge Design.
This course covers the design of highway bridge structures, including both the super- and sub-structure. Design is in accordance with current Federal Highway Administration (FHWA) specifications. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5360. Pavement Design.
This course covers the design of concrete, asphalt, and pervious pavements. Included are highway pavements, urban streets, airport pavements, industrial pavements, and roller compacted concrete. Design is in accordance with current FHWA specifications. Common construction methods are also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5370. Urban Stormwater Management.
This course examines the planning, design, operation, and maintenance of urban stormwater management systems. Political, social, economic, and environmental influences on such systems are examined. The impact of extreme events on stormwater systems and the urban landscape are also considered. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5372. Open Channel Flow.
This course is an advanced study of uniform, gradually varying, and rapid varying water flow in both natural and engineered open channels. The use of technology to monitor and maintain open channel structures is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5390. Infrastructure Systems Analysis.
This course is an advanced study of the planning, operation, and maintenance of municipal and commercial infrastructure assets. Political, social, economic, environmental, and engineering influences on infrastructure systems are addressed. Use of technology to enhance the safety and economic value of the infrastructure is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5391. Advanced Mechanics of Materials.
This course is an advanced study of stress, strain, and deformation in elastic bodies. Topics covered include torsion, unsymmetrical bending, nonlinear beams, stress concentrations, beams on elastic foundations, Mohr's circle, and an introduction to the theory of elasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Electrical Engineering (EE)

EE 5320. Advanced Computer Architecture and Arithmetic.
This course teaches design and analysis of high-performance computer systems, focusing on quantitative analysis of the latest processors and compilers. Current processor architectures are surveyed for system design. Topics include instruction sets, parallelizing architectures, pipelining, I/O, memory and cache organization, parallel/vector processing, fast arithmetic units design, and implementation using HDL. Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5321. Computer-Aided Engineering Simulations on HPC Systems.
This course covers development of simulations for engineering applications that are solved using High Performance Computing (HPC) environments. Topics include programming techniques for multicore processors, processor and memory architecture, computation for dense and spare linear algebra applications, computational temperature analysis, fluid dynamics, stencil and stochastic algorithms, and other applications. Prerequisite: EE 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5323. Digital Image Processing.
This course provides the necessary fundamental techniques to analyze and process digital images. It covers principles, concepts, and techniques of digital image processing and computer vision. Restricted to students enrolled in the MS Engineering program. Prerequisite: EE 3420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5330. Embedded and Real-Time Computing.
This course teaches development of embedded computing systems with strong resource constraints. Key concepts include managing constrained memory and processing speed limitations, and programming for soft and hard real-time constraints. Students will learn use of a Real-Time Operating System (RTOS). Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5331. Machine Learning for Engineering Applications.
This course covers an introduction to machine learning focused on deep learning techniques using engineering applications with Python. Topics include model characteristics, neural network theory, classifiers for network and signal processing applications, regression and convolutional modeling for object-detection, time-series and forecasting machine learning models for Smart City concepts. Prerequisite: ENGR 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5350. Advanced Electronic Circuit Design.
This course includes low and high power RF amplifier design techniques, oscillators, FM demodulators, limiters, and mixer design. Additional topics include circuit design to minimize intermodulation and other forms of distortion, and RD and high-speed analog circuits with emphasis on digital-friendly applications. Prerequisite: EE 4350 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5353. Fundamentals of Advanced Semiconductor Technology.
In this course students will learn key concepts and trends of advanced semiconductor device technology. Topics include Moore's law, MOSFET, CMOS and scaling, high-K gate dielectrics, new channel materials replacing silicon, three dimensional and compound semiconductor device structures. In addition students will be involved in laboratories and seminar presentations. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5354. Flexible Electronics.
This course will cover the materials systems, processes, device physics and applications of flexible electronics. The materials range from amorphous and nanocrystalline silicon, organic and polymeric semiconductors to solution cast films of carbon nanotubes. Real device discussions include high speed transistors, photovoltaics, flexible flat-panel displays, medical image sensors, etc. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5355. Electronic Materials and Devices.
This course covers theoretical concepts applicable to the understanding of unique properties exhibited by electronic materials, especially by dielectrics, oxide semiconductors, ferroelectrics, pyroelectrics, piezoelectrics, magnetic, and multifunctional and multiferroic materials. The various microelectronic devices and modern novel technologies based on these materials are emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5360. Thin Film Technology.
This course covers the theoretical and practical aspects of thin film technology in modern devices. The design and fabrication of thin film heterostructures is discussed. Growth and nucleation of epitaxial thin films with diverse properties and devices with combined properties will be emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5372. Advanced Networking.
This course develops important theoretical and application topics related to advanced networking. Theoretical topics are introduced using mathematical treatments, including queuing theory and some random processes. The course includes applications of these topics to communications networks, and focuses on architectures, applications and technologies which affect modern computer and data networks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5374. Introduction to Wireless Communication.
This course teaches principles and practices in designing and analyzing cellular and other wireless communication systems. Topics include RF propagation modeling, fast and slow fading, modulation, demodulation, coding, and multiple access techniques. Prerequisite: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5375. Smart Grid: an Application Development Platform.
In this course, students will learn how to develop real applications for the smart grid and model its performance with simulations and stochastic models. Topics include energy informatics, smart metering, home energy management, demand response, load disaggregation and APIs/OpenData. The mathematical tools used include: Optimization/Control, Machine Learning and Stochastic Processes. Prerequisites: EE 3370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5377. Statistical Signal Processing.
This course develops the theory and applications of random processes using mathematical treatments, including elementary discrete and continuous time linear systems theory, elementary probability, and transform theory. Topics include applications of random processes to information and communication theory, estimation and detection, control, signal processing, and stochastic systems theory. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5385. Optoelectronic Devices.
This course introduces the student to the concepts, physical operations, and design criteria of state-of-the-art optoelectronic devices and systems used in research, technology, medicine, communication, and other modern applications. Prerequisites: EE 3355 or EE 4350 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5398A. Antenna Theory, Design and Applications.
This course covers the basic theory, design and applications of antennas. The topics include antenna radiation, fundamental parameters of antennas, linear wire antennas, loop antennas, antenna arrays, long-periodic antennas, horn antennas, microstrip antennas and modern nano-antennas. Prerequisite: EE 3340 or EE 3370 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398B. Electronic Materials and Beyond for Sustainable Energy.
This course covers the basic science and technology for sustainable energy from the view of materials, where electronic materials are highly emphasized. The topics include solar cells, thermoelectrics, batteries, supercapacitors, artificial photosynthesis, fuel cells, biomass and nuclear energy. Prerequisite: EE 3355 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398C. Multimedia Signal Processing.
This course covers theory and applications of digital signal processing to multimedia signals, including speech, audio, image, and video. Key concepts and algorithms are discussed first, followed by a review of relevant industry standards. Hardware architectures and real-time implementation concepts appropriate for multimedia signals are also included. Prerequisites: EE 3370 and [EE 4323 or EE 4377] both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398D. Electroceramics.
This course covers binary and ternary phase diagrams, non-centro-symmetric crystal structures and symmetry groups, nonlinear dielectrics (ferroelectricity, piezoelectricity, pyroelectricity), nonlinear magnetics, oxide wideband gap semiconductors, detectors and sensors, introduction to MEMS, radhard electonics, and spintronics technology. Labs and additional research-oriented instruction are related to materials processing, characterization, fabrication, and testing. Prerequisite: EE 3355 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Industrial Engineering (IE)

IE 5310. Advanced Statistical Design of Experiments for Engineers.
This course examines the design and analysis of controlled experiments, demonstrating engineering applications of design of experiments (DOE) in the manufacturing and service industries. Topics include full and fractional factorial designs, response surface methodology, and Taguchi methods. In a semester-long project, students apply DOE to improve a real manufacturing process. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5320. Modeling and Analysis of Manufacturing Systems.
This course covers the methods for modeling and analyzing manufacturing systems. Critical manufacturing issues that are addressed by these models include sustainable production systems, material handling systems, scheduling, and supply chains. Prerequisite: IE 3320 and IE 3340 and MFGE 4396 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5330. Advanced Quality Control and Reliability Engineering.
This course provides in-depth knowledge in reliability modeling and maintenance optimization for components and systems. The course also covers advanced quality control techniques including multivariate process control. Methodologies are applied to solve practical problems arising from various industry domains. Restricted to students enrolled in the MS Engineering program. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5340. Applied Deterministic Operations Research for Engineers.
This course introduces students to modeling of linear, non-linear, and integer problems applied to engineering design, manufacturing, service, supply chain, healthcare and electrical systems. Mathematical programming software is emphasized in class exercises, homework, and project. Techniques including revised simplex method, duality theory, sensitivity analysis, and networks are also covered. Prerequisite: CS 1428 and MATH 3377 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5343. Non-Linear Optimization Techniques for Engineers.
This course covers engineering applications of mathematical modeling and computational methods for nonlinear programming problems. The primary goal of this course is to present techniques and strategies essential to optimize non-linear models. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5345. Advanced Optimization.
This course covers advanced concepts in linear and integer programming. Solution techniques for stochastic and dynamic programming and formulation and solution of decision models in manufacturing, service, supply chain, healthcare and electrical systems are presented. Prerequisite: IE 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5347. Modern Heuristic Optimization.
This course covers heuristic methods that search beyond local optima such as simulated annealing, tabu search, genetic algorithms, ant-colony systems and particle swarm. Papers from the literature, problem-specific heuristics, evaluation methods, and implementations are discussed. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5397. System Thinking and Analysis.
This course is an introduction to systems engineering and the systems thinking process, providing important considerations related to the engineering of large scale systems. These considerations include system understanding, modeling and design, the system development process, needs analysis, concept exploration and definition, design, integration and evaluation, and systems engineering management. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5398A. Healthcare Systems Engineering.
This course provides an introduction into healthcare delivery with particular attention to the application of systems engineering techniques. Topics include the organization of healthcare systems, characteristics of US healthcare, decision-making in the healthcare environment, health informatics, and performance measurement tools. Student project involves integration and application of systems engineering methodologies. Prerequisite: IE 5340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398B. Response Surface Methodologies.
This course continues the examination of the design and analysis of controlled experiments, demonstrating how design of experiments (DOE) and response surface methodologies (RSM) are used in product optimization and process improvement. Topics include factorial and fractional factorial designs, steepest ascent, fitting response surfaces, variance-optimal design, and mixture experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398C. Data-Intensive Analysis and Simulation for Engineers.
This course covers foundational topics in data science, including data-intensive analysis and simulation. Specific topics include data science, data extracting and preprocessing, data visualization, and design of simulation experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Manufacturing Engineering (MFGE)

MFGE 5316. Advanced Computer Aided Design and Manufacturing.
Topics include design process, mathematical presentation of wireframe/surface/solid modes, transformation and manipulation of objects, finite element analysis, data exchange, process planning, fundamentals of multi-axis NC programming for turning and milling processes, fundamentals of CAD/CAM systems, CNC code generation by CAD.CAM software for the CNC, and waterjet machines. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5318. Additive Manufacturing.
The course covers theory, techniques, and applications of Advanced Reverse Engineering & Freedom Fabrication. Topics include reverse engineering generic process, reverse modeling, contact and noncontact scanning, point cloud, geometric modeling, data extraction, rapid prototyping processes, uniform and adaptive slicing, industrial and medical applications, hardware, and software. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5320. Polymer Nanocomposites.
This course covers polymer nanocomposites focusing on materials, manufacturing, characterization, and applications. The primary focus is on fiber reinforced polymer nanocomposites. Morphological, Thermal, Mechanical, and Electrical Characterization will be discussed in detail. Applications include fire-resistant, ablative, fatigue-resistant, impact-resistant, and bio-based composites. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5326. Advanced Robotics in Manufacturing Automation.
This course covers principles and techniques involved in advanced robotics. Topics include introduction to robotics, industrial robotics, robot kinematics, path planning, robot dynamics, advanced control, force control, sensors and actuators, mobile robotics, and introduction to nanorobotics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5328. Advanced Control Techniques.
This course covers advanced control techniques in manufacturing processes. Topics include modeling of dynamic systems, feedback control systems analysis, stability analysis, PID control, optimal control, programmable logic control, design of control systems, transducer and sensor technology, and digital control. Registration requires instructor's approval. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5398A. Multiscale Manufacturing.
This course covers multiscale manufacturing processes, techniques, and applications. Topics include micro and nano-manufacturing, polymer and semiconductor fabrication, thin film technologies, bulk and surface micromachining, physics of multiscale manufacturing, microelectromechanical (MEMS) devices, and design issues for fabrication of micro and nano-systems. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MFGE 5398B. Advanced Composite Materials.
This course examines various aspects of fiber-reinforced polymeric composites. The topics covered include constituent materials (fibers and matrices), mechanics, performance, manufacturing, and introduction to nanocomposites, This course also provides introductory treatments concerning ceramic matrix composites, metal matrix composites, and carbon/carbon composites.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Department of Engineering Technology

Roy F. Mitte Building Room 2240
T: 512.245.2137 F: 512.245.3052
http://www.txstate.edu/technology

Our curricula reflect adherence to established national accreditation standards that are appropriate to each of the technology disciplines offered within our program. We conduct on-going learning outcomes assessment for all of our programs and reporting of these results is updated annually. Input provided by several industrial advisory committees contributes toward continuous improvement and the currency of our curricula and courses.

Our faculty maintain currency in their respective fields of expertise through continual engagement in applied research and scholarship, and through professional development activities. Over just the past

three years department faculty have succeeded in securing upwards of $1,265,000 in external funding from federal and state agencies and from educational foundations. Our faculty have also been very active in publishing the results of their research in scholarly journals. The department is fortunate to be the professional home of such dedicated faculty members who take their commitment to higher education so seriously.

As an applied discipline, Engineering Technology is committed to experiential learning and exploration. The Roy F. Mitte building, which is home to the department, houses 19 well equipped, technical laboratories where students put into practice the principles learned in their classes. Learning by doing is fundamental to who we are, and students can expect to spend a significant portion of their time in a laboratory setting.

The mission of the Department of Engineering Technology is to prepare professionals for innovation and leadership careers in the global industrial marketplace, for the purpose of positively contributing to the well-being of the economy of the State of Texas.

Financial Assistance

Graduate Instructional and Research Assistantships

A limited number of paid graduate assistantships are available. Research assistants work with faculty on research and other special projects. Instructional assistants work with undergraduates in laboratory settings. Contact the program's graduate advisor for details and application instructions.

Graduate College Scholarships and Fellowships

For more information about scholarships, fellowships, financial aid and application deadlines, visit The Graduate College website at http://www.gradcollege.txstate.edu and click on *Financing Your Graduate Education.*

Master of Science (M.S.)

- Major in Technology Management (Construction Management Concentration Non-thesis Option) (p. 2560)
- Major in Technology Management (Construction Management Concentration Thesis Option) (p. 2563)
- Major in Technology Management (Industrial Management Concentration Non-thesis Option) (p. 2568)
- Major in Technology Management (Industrial Management Concentration Thesis Option) (p. 2571)
- Major in Technology Management (Manufacturing Management Concentration Non-thesis Option) (p. 2575)
- Major in Technology Management (Manufacturing Management Concentration Thesis Option) (p. 2579)

Minor

- Industrial Technology (p. 2583)

Master of Science (M.S.) Major in Technology Management (Construction Management Concentration Non-thesis Option)

Major Program

The Master of Science (M.S.) degree with a major in Technology Management at Texas State is designed for those who seek careers or career advancement in the management of engineering and production activity in the construction and concrete industries, in the semiconductor, cast metals, machining, fabrication, and other manufacturing industries, or in the fields of power generation, environmental management, and occupational health and safety.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university. Background course work may be required if the undergraduate degree is **not** in the following fields: industrial technology, technology management, construction science and management, concrete industry management, engineering technology, or engineering.
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- a brief statement of purpose to include an explanation of why the applicant is interested in Technology Management as a field of study
- current resume/CV

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

If the GPA falls below the minimum requirement of 2.75, the student may submit the following to be considered for conditional admission:

- official GRE scores (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

Degree Requirements

The Master of Science (M.S.) degree with a major in Technology Management concentration in construction management requires 36 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
TECH 5315	Engineering Economic Analysis	3
TECH 5365	Industrial Project Management and Scheduling	3
TECH 5382	Sustainability in Industrial Management	3
TECH 5390	Research in Technology	3
TECH 5394	Design of Industrial Experiments	3
TECH 5398	Directed Project (Taken twice)	6
Concentration		
Choose 9 hours from the following:		9
CSM 5313	Building Information Modeling	
CSM 5360	Construction Company Financial Control	
CSM 5362	Construction Contract Delivery Systems	
TECH 5384	Problems in Technology	
Technology Management Cognate		
Choose 6 hours from the following:		6
MGT 5310	Organizational Change Management	
MGT 5311	Process Improvement Management in Organizations	
MGT 5315	New Venture Management	
MGT 5321	Supply Chain Management	
MGT 5325	Managing Business Creativity	
MGT 5391	Managing the Communication Process	
May choose other advisor-approved business courses		
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Engineering Technology: CSM (p.), TECH (p. 2562)

Courses Offered

Construction Science and Management (CSM)

CSM 5302. Fundamentals of Construction Contracts and Liability Issues.
This course introduces students to the legal aspects of design and construction contract documents, including dispute resolution methods and professional ethics commonly used in the construction industry. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5304. Fundamentals of Construction Estimating.
This course provides the student with a comprehensive introduction to the principles, techniques, technologies, and basic concepts involving methodologies and strategies used in the preparation of various types of construction estimates and bids. This course does not count as degree credit.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5306. Fundamentals of Commercial Building Construction Systems.
This course is a commercial building construction systems class dealing with soils, site work, heavy foundations, steel, reinforced concrete, pre-cast structures and common assemblies. Commercial MEPs are studied along with CSI master format, as-built/shop drawings, schedule of values, AIA documents, and appropriate building codes. This course does not earn graduate degree credit.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5313. Building Information Modeling.
This course covers understanding the supervisory role of construction professionals in the design process including, directing a design team in the integration of construction documents for commercial buildings, coordination of site work, structural, architectural, mechanical, electrical, plumbing plans and contemporary CAD software for 2D& 3D design including Building Information Modeling. Prerequisite: CSM 2313 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 5360. Construction Company Financial Control.
Financial accounting and cost controls used at the company level in construction companies are studied. Topics include accounting systems, construction project profit calculations, and financial analysis. Prerequisites: CSM 5302 and CSM 5304 and CSM 5306 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 5362. Construction Contract Delivery Systems.
The course will introduce students to designer/contractor interactions, including conceptual estimating and scheduling, the RFQ/RFP process and legal, insurance, risk allocation issues, along with procurement and selection. Prerequisites: CSM 5302 and CSM 5304 and CSM 5306 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Technology (TECH)

TECH 5100. Academic Instruction for Technology.
The course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

TECH 5195. Industrial Internship.
This course is a supervised experiential learning course in Technology Management. This work integrated learning course helps the student link theory with practice. Repeatable for credit. Prerequisites: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5307. Fundamentals of Manufacturing Processes.
Application of metal cutting principles. Includes steel rule dye layout, machine layout, tool life, tool wear, tool geometry and reconditioning, principles of feed rate and speed, material removal rates and power consumption. Machining of steel and castings using various cutting tools. This course does not count toward degree credit.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

TECH 5310. Product Design and Development.
This course provides an overview of the new product realization process. The focus is on the steps of systematic product design including problem identification, product planning, conceptual design, and embodiment design. Standard CAD tools are employed for product modeling. Prerequisite: TECH 2310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5311. Computer Aided Engineering.
Application of computer hardware and software to the design of products and systems; geometric modeling; engineering computational methods; overview of engineering analysis software which may include finite element analysis, manufacturing simulation, solidification modeling, and rapid prototyping.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 5315. Engineering Economic Analysis.
This course deals with economic analytical techniques used in engineering decision making. Topics include time value of money, comparing alternatives, depreciation, replacement, and income tax considerations. Prerequisite: MATH 1315 or MATH 1319 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5364. Robust Product and Process Design.
Provides the student with in-depth knowledge of inferential statistics as applied to design of robust processes and products. Topics covered include probability distributions, ANOVA, fractional factorial design, response surface method, orthogonal arrays, and Taguchi method. Prior experience with introductory-level statistics is assumed. Prerequisite: TECH 5394 with a grade "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5365. Industrial Project Management and Scheduling.
Introduce students to industrial management system concepts and applications as they relate to management operations; system design, implementation and management; case studies of practices; and application of theory to practical problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5382. Industrial Ecology and Sustainability Engineering.
This course covers the basic principles of life cycle analysis (LCA) of engineered products and processes. Topics covered include: industrial ecology, resource depletion, product design, process design, material selection, energy efficiency, product delivery, use, and end of life considerations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5384. Problems in Technology.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. May be repeated for additional credit with permission of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5385. Readings in Technology.
A study of the ethical and moral viewpoints typically associated with American society as related to the development and introduction of new technology and engineering. Past, present, and future issues will be studied with selected readings focusing on industrial related problems and issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5387. Advanced Facilities Planning.
An in-depth study of technical problems encountered in designing, equipping, arranging, and specifying facility requirements for industrial and technical training facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5390. Research in Technology.
Examination of scientific methods including theory formulation, deductive reasoning, hypothesis generation, observation, inductive reasoning, and theory revision. Categories of research are compared and contrasted as regards methodology. In-depth study of experimental research as it relates to significant industrial problems including considerations of design, internal and external validity, and appropriate analytical technique. Introduction to data analysis and its proper interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5391. Advanced Manufacturing Systems.
This course introduces students to various advanced tools, technologies, and strategies in modern manufacturing. An emphasis is placed on the state-of-the-art in factory automation and global and smart manufacturing enterprises. Topics include process automation and control, advanced manufacturing processes, intelligent manufacturing control, and information and communication technology (ICT) in manufacturing. Prerequisites: TECH 5307 with a grade of "C" or better or instructor approval.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5392. Fundamentals of Microelectronics Manufacturing.
An introduction to integrated circuit fabrication to include crystal growth, wafer preparation, epitaxial growth, oxidation, diffusion, ionimplantation, thin film deposition, lithography, etching, device and circuit formation, packaging and testing. Significant project includes circuit design/simulation and/or process design. Laboratory component involves actual production/testing of a functional semiconductor device.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5394. Design of Industrial Experiments.
This course deals with the study of the fundamentals and applications of industrial experiments. Prerequisite: TECH 5390 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5398. Directed Project.
This course is a formal investigation into a business or industry problem. The directed project is an applied research project that is more extensive than an independent study and less extensive than a thesis. The course culminates in a detailed project report and oral presentation. Prerequisite: TECH 5394 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Technology 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Technology Management (Construction Management Concentration Thesis Option)

Major Program

The Master of Science (M.S.) degree with a major in Technology Management at Texas State is designed for those who seek careers or career advancement in the management of engineering and production activity in the construction and concrete industries, in the semiconductor, cast metals, machining, fabrication, and other manufacturing industries,

or in the fields of power generation, environmental management, and occupational health and safety.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university. Background course work may be required if the undergraduate degree is **not** in the following fields: industrial technology, technology management, construction science and management, concrete industry management, engineering technology, or engineering.
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- brief statement of purpose to include an explanation of why the applicant is interested in Technology Management as a field of study
- current resume/CV

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

If the GPA falls below the minimum requirement of 2.75, the student may submit the following to be considered for conditional admission:

- official GRE scores (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

Degree Requirements

The Master of Science (M.S.) degree with a major in Technology Management concentration in construction management requires 36 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
TECH 5315	Engineering Economic Analysis	3
TECH 5365	Industrial Project Management and Scheduling	3
TECH 5382	Sustainability in Industrial Management	3
TECH 5390	Research in Technology	3
TECH 5394	Design of Industrial Experiments	3
Concentration		
Choose 9 hours from the following:		9
CSM 5313	Building Information Modeling	
CSM 5360	Construction Company Financial Control	
CSM 5362	Construction Contract Delivery Systems	
TECH 5384	Problems in Technology	
Thesis		
TECH 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
TECH 5199B	Thesis	
TECH 5299B	Thesis	
TECH 5399B	Thesis	
TECH 5599B	Thesis	
TECH 5999B	Thesis	
Technology Management Cognate		
Choose 6 hours from the following:		6
MGT 5310	Organizational Change Management	
MGT 5311	Process Improvement Management in Organizations	
MGT 5315	New Venture Management	
MGT 5321	Supply Chain Management	
MGT 5325	Managing Business Creativity	
MGT 5391	Managing the Communication Process	
May choose other advisor-approved business courses		
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements.

After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Engineering Technology: CSM (p.), TECH (p. 2566)

Courses Offered

Construction Science and Management (CSM)

CSM 5302. Fundamentals of Construction Contracts and Liability Issues. This course introduces students to the legal aspects of design and construction contract documents, including dispute resolution methods and professional ethics commonly used in the construction industry. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5304. Fundamentals of Construction Estimating.
This course provides the student with a comprehensive introduction to the principles, techniques, technologies, and basic concepts involving methodologies and strategies used in the preparation of various types of construction estimates and bids. This course does not count as degree credit.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5306. Fundamentals of Commercial Building Construction Systems.
This course is a commercial building construction systems class dealing with soils, site work, heavy foundations, steel, reinforced concrete, pre-cast structures and common assemblies. Commercial MEPs are studied along with CSI master format, as-built/shop drawings, schedule of values, AIA documents, and appropriate building codes. This course does not earn graduate degree credit.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5313. Building Information Modeling.
This course covers understanding the supervisory role of construction professionals in the design process including, directing a design team in the integration of construction documents for commercial buildings, coordination of site work, structural, architectural, mechanical, electrical, plumbing plans and contemporary CAD software for 2D& 3D design including Building Information Modeling. Prerequisite: CSM 2313 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 5360. Construction Company Financial Control.
Financial accounting and cost controls used at the company level in construction companies are studied. Topics include accounting systems, construction project profit calculations, and financial analysis. Prerequisites: CSM 5302 and CSM 5304 and CSM 5306 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 5362. Construction Contract Delivery Systems.
The course will introduce students to designer/contractor interactions, including conceptual estimating and scheduling, the RFQ/RFP process and legal, insurance, risk allocation issues, along with procurement and selection. Prerequisites: CSM 5302 and CSM 5304 and CSM 5306 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Technology (TECH)

TECH 5100. Academic Instruction for Technology.
The course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

TECH 5195. Industrial Internship.
This course is a supervised experiential learning course in Technology Management. This work integrated learning course helps the student link theory with practice. Repeatable for credit. Prerequisites: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5307. Fundamentals of Manufacturing Processes.
Application of metal cutting principles. Includes steel rule dye layout, machine layout, tool life, tool wear, tool geometry and reconditioning, principles of feed rate and speed, material removal rates and power consumption. Machining of steel and castings using various cutting tools. This course does not count toward degree credit.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

TECH 5310. Product Design and Development.
This course provides an overview of the new product realization process. The focus is on the steps of systematic product design including problem identification, product planning, conceptual design, and embodiment design. Standard CAD tools are employed for product modeling. Prerequisite: TECH 2310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5311. Computer Aided Engineering.
Application of computer hardware and software to the design of products and systems; geometric modeling; engineering computational methods; overview of engineering analysis software which may include finite element analysis, manufacturing simulation, solidification modeling, and rapid prototyping.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 5315. Engineering Economic Analysis.
This course deals with economic analytical techniques used in engineering decision making. Topics include time value of money, comparing alternatives, depreciation, replacement, and income tax considerations. Prerequisite: MATH 1315 or MATH 1319 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5364. Robust Product and Process Design.
Provides the student with in-depth knowledge of inferential statistics as applied to design of robust processes and products. Topics covered include probability distributions, ANOVA, fractional factorial design, response surface method, orthogonal arrays, and Taguchi method. Prior experience with introductory-level statistics is assumed. Prerequisite: TECH 5394 with a grade "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5365. Industrial Project Management and Scheduling.
Introduce students to industrial management system concepts and applications as they relate to management operations; system design, implementation and management; case studies of practices; and application of theory to practical problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5382. Industrial Ecology and Sustainability Engineering.
This course covers the basic principles of life cycle analysis (LCA) of engineered products and processes. Topics covered include: industrial ecology, resource depletion, product design, process design, material selection, energy efficiency, product delivery, use, and end of life considerations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5384. Problems in Technology.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. May be repeated for additional credit with permission of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5385. Readings in Technology.
A study of the ethical and moral viewpoints typically associated with American society as related to the development and introduction of new technology and engineering. Past, present, and future issues will be studied with selected readings focusing on industrial related problems and issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5387. Advanced Facilities Planning.
An in-depth study of technical problems encountered in designing, equipping, arranging, and specifying facility requirements for industrial and technical training facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5390. Research in Technology.
Examination of scientific methods including theory formulation, deductive reasoning, hypothesis generation, observation, inductive reasoning, and theory revision. Categories of research are compared and contrasted as regards methodology. In-depth study of experimental research as it relates to significant industrial problems including considerations of design, internal and external validity, and appropriate analytical technique. Introduction to data analysis and its proper interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5391. Advanced Manufacturing Systems.
This course introduces students to various advanced tools, technologies, and strategies in modern manufacturing. An emphasis is placed on the state-of-the-art in factory automation and global and smart manufacturing enterprises. Topics include process automation and control, advanced manufacturing processes, intelligent manufacturing control, and information and communication technology (ICT) in manufacturing. Prerequisites: TECH 5307 with a grade of "C" or better or instructor approval.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5392. Fundamentals of Microelectronics Manufacturing.
An introduction to integrated circuit fabrication to include crystal growth, wafer preparation, epitaxial growth, oxidation, diffusion, ionimplantation, thin film deposition, lithography, etching, device and circuit formation, packaging and testing. Significant project includes circuit design/simulation and/or process design. Laboratory component involves actual production/testing of a functional semiconductor device.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5394. Design of Industrial Experiments.
This course deals with the study of the fundamentals and applications of industrial experiments. Prerequisite: TECH 5390 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5398. Directed Project.
This course is a formal investigation into a business or industry problem. The directed project is an applied research project that is more extensive than an independent study and less extensive than a thesis. The course culminates in a detailed project report and oral presentation. Prerequisite: TECH 5394 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Technology 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Technology Management (Industrial Management Concentration Non-thesis Option)

Major Program

The Master of Science (M.S.) degree with a major in Technology Management at Texas State is designed for those who seek careers or career advancement in the management of engineering and production activity in the construction and concrete industries, in the semiconductor, cast metals, machining, fabrication, and other manufacturing industries, or in the fields of power generation, environmental management, and occupational health and safety.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university. Background course work may be required if the undergraduate degree is **not** in the following fields: industrial technology, technology management, construction science and management, concrete industry management, engineering technology, or engineering.
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- brief statement of purpose to include an explanation of why the applicant is interested in Technology Management as a field of study
- current resume/CV

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the GPA falls below the minimum requirement of 2.75, the student may submit the following to be considered for conditional admission:

- official GRE scores (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

Degree Requirements

The Master of Science (M.S.) degree with a major in Technology Management concentration in industrial management requires 36 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
TECH 5315	Engineering Economic Analysis	3
TECH 5365	Industrial Project Management and Scheduling	3
TECH 5382	Sustainability in Industrial Management	3
TECH 5390	Research in Technology	3
TECH 5394	Design of Industrial Experiments	3
TECH 5398	Directed Project (Taken twice)	6
Concentration		
Choose 9 hours from the following:		9
TECH 5364	Robust Product and Process Design	
TECH 5384	Problems in Technology	
TECH 5385	Readings in Technology	
TECH 5387	Planning Advanced Technology Facilities	
May choose other advisor-approved courses in the College of Science and Engineering		
Technology Management Cognate		
Choose 6 hours from the following:		6
MGT 5310	Organizational Change Management	
MGT 5311	Process Improvement Management in Organizations	
MGT 5315	New Venture Management	
MGT 5321	Supply Chain Management	

MGT 5325	Managing Business Creativity	
MGT 5391	Managing the Communication Process	
May choose other advisor-approved business courses		
Total Hours		36

[1] Upon advice of the graduate advisor, students specializing in either manufacturing management or industrial management may also elect courses offered through the Ingram School of Engineering, and/or other departments in the College of Science and Engineering.

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Engineering Technology: CSM (p.), TECH (p. 2569)

Courses Offered

Construction Science and Management (CSM)

CSM 5302. Fundamentals of Construction Contracts and Liability Issues.
This course introduces students to the legal aspects of design and construction contract documents, including dispute resolution methods and professional ethics commonly used in the construction industry. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5304. Fundamentals of Construction Estimating.
This course provides the student with a comprehensive introduction to the principles, techniques, technologies, and basic concepts involving methodologies and strategies used in the preparation of various types of construction estimates and bids. This course does not count as degree credit.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5306. Fundamentals of Commercial Building Construction Systems.
This course is a commercial building construction systems class dealing with soils, site work, heavy foundations, steel, reinforced concrete, pre-cast structures and common assemblies. Commercial MEPs are studied along with CSI master format, as-built/shop drawings, schedule of values, AIA documents, and appropriate building codes. This course does not earn graduate degree credit.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5313. Building Information Modeling.
This course covers understanding the supervisory role of construction professionals in the design process including, directing a design team in the integration of construction documents for commercial buildings, coordination of site work, structural, architectural, mechanical, electrical, plumbing plans and contemporary CAD software for 2D& 3D design including Building Information Modeling. Prerequisite: CSM 2313 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 5360. Construction Company Financial Control.
Financial accounting and cost controls used at the company level in construction companies are studied. Topics include accounting systems, construction project profit calculations, and financial analysis. Prerequisites: CSM 5302 and CSM 5304 and CSM 5306 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 5362. Construction Contract Delivery Systems.
The course will introduce students to designer/contractor interactions, including conceptual estimating and scheduling, the RFQ/RFP process and legal, insurance, risk allocation issues, along with procurement and selection. Prerequisites: CSM 5302 and CSM 5304 and CSM 5306 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Technology (TECH)

TECH 5100. Academic Instruction for Technology.
The course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

TECH 5195. Industrial Internship.
This course is a supervised experiential learning course in Technology Management. This work integrated learning course helps the student link theory with practice. Repeatable for credit. Prerequisites: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5307. Fundamentals of Manufacturing Processes.
Application of metal cutting principles. Includes steel rule dye layout, machine layout, tool life, tool wear, tool geometry and reconditioning, principles of feed rate and speed, material removal rates and power consumption. Machining of steel and castings using various cutting tools. This course does not count toward degree credit.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

TECH 5310. Product Design and Development.
This course provides an overview of the new product realization process. The focus is on the steps of systematic product design including problem identification, product planning, conceptual design, and embodiment design. Standard CAD tools are employed for product modeling. Prerequisite: TECH 2310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5311. Computer Aided Engineering.
Application of computer hardware and software to the design of products and systems; geometric modeling; engineering computational methods; overview of engineering analysis software which may include finite element analysis, manufacturing simulation, solidification modeling, and rapid prototyping.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 5315. Engineering Economic Analysis.
This course deals with economic analytical techniques used in engineering decision making. Topics include time value of money, comparing alternatives, depreciation, replacement, and income tax considerations. Prerequisite: MATH 1315 or MATH 1319 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5364. Robust Product and Process Design.
Provides the student with in-depth knowledge of inferential statistics as applied to design of robust processes and products. Topics covered include probability distributions, ANOVA, fractional factorial design, response surface method, orthogonal arrays, and Taguchi method. Prior experience with introductory-level statistics is assumed. Prerequisite: TECH 5394 with a grade "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5365. Industrial Project Management and Scheduling.
Introduce students to industrial management system concepts and applications as they relate to management operations; system design, implementation and management; case studies of practices; and application of theory to practical problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5382. Industrial Ecology and Sustainability Engineering.
This course covers the basic principles of life cycle analysis (LCA) of engineered products and processes. Topics covered include: industrial ecology, resource depletion, product design, process design, material selection, energy efficiency, product delivery, use, and end of life considerations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5384. Problems in Technology.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. May be repeated for additional credit with permission of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5385. Readings in Technology.
A study of the ethical and moral viewpoints typically associated with American society as related to the development and introduction of new technology and engineering. Past, present, and future issues will be studied with selected readings focusing on industrial related problems and issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5387. Advanced Facilities Planning.
An in-depth study of technical problems encountered in designing, equipping, arranging, and specifying facility requirements for industrial and technical training facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5390. Research in Technology.
Examination of scientific methods including theory formulation, deductive reasoning, hypothesis generation, observation, inductive reasoning, and theory revision. Categories of research are compared and contrasted as regards methodology. In-depth study of experimental research as it relates to significant industrial problems including considerations of design, internal and external validity, and appropriate analytical technique. Introduction to data analysis and its proper interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5391. Advanced Manufacturing Systems.
This course introduces students to various advanced tools, technologies, and strategies in modern manufacturing. An emphasis is placed on the state-of-the-art in factory automation and global and smart manufacturing enterprises. Topics include process automation and control, advanced manufacturing processes, intelligent manufacturing control, and information and communication technology (ICT) in manufacturing. Prerequisites: TECH 5307 with a grade of "C" or better or instructor approval.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5392. Fundamentals of Microelectronics Manufacturing.
An introduction to integrated circuit fabrication to include crystal growth, wafer preparation, epitaxial growth, oxidation, diffusion, ionimplantation, thin film deposition, lithography, etching, device and circuit formation, packaging and testing. Significant project includes circuit design/simulation and/or process design. Laboratory component involves actual production/testing of a functional semiconductor device.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5394. Design of Industrial Experiments.
This course deals with the study of the fundamentals and applications of industrial experiments. Prerequisite: TECH 5390 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5398. Directed Project.
This course is a formal investigation into a business or industry problem. The directed project is an applied research project that is more extensive than an independent study and less extensive than a thesis. The course culminates in a detailed project report and oral presentation. Prerequisite: TECH 5394 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Technology 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Technology Management (Industrial Management Concentration Thesis Option)

Major Program

The Master of Science (M.S.) degree with a major in Technology Management at Texas State is designed for those who seek careers or career advancement in the management of engineering and production activity in the construction and concrete industries, in the semiconductor, cast metals, machining, fabrication, and other manufacturing industries, or in the fields of power generation, environmental management, and occupational health and safety.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university. Background course work may be required if the undergraduate degree is **not** in the following fields: industrial technology, technology management, construction science and management, concrete industry management, engineering technology, or engineering.
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- brief statement of purpose to include an explanation of why the applicant is interested in Technology Management as a field of study
- current resume/CV

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

If the GPA falls below the minimum requirement of 2.75, the student may submit the following to be considered for conditional admission:

- official GRE scores (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

Degree Requirements

The Master of Science (M.S.) degree with a major in Technology Management concentration in industrial management requires 36 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
TECH 5390	Research in Technology	3
TECH 5394	Design of Industrial Experiments	3
TECH 5315	Engineering Economic Analysis	3
TECH 5365	Industrial Project Management and Scheduling	3
TECH 5382	Sustainability in Industrial Management	3
Concentration		
Choose 9 hours from the following:		9
TECH 5364	Robust Product and Process Design	
TECH 5385	Readings in Technology	
TECH 5387	Planning Advanced Technology Facilities	
TECH 5384	Problems in Technology	
May choose other advisor-approved courses in the College of Science and Engineering		
Thesis		
TECH 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
TECH 5199B	Thesis	
TECH 5299B	Thesis	
TECH 5399B	Thesis	
TECH 5599B	Thesis	
TECH 5999B	Thesis	
Technology Management Cognate		
Choose 6 hours from the following:		6
MGT 5310	Organizational Change Management	
MGT 5311	Process Improvement Management in Organizations	
MGT 5315	New Venture Management	
MGT 5321	Supply Chain Management	
MGT 5325	Managing Business Creativity	
MGT 5391	Managing the Communication Process	
May choose other advisor-approved business courses		
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision

is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Engineering Technology: CSM (p.), TECH (p. 2574)

Courses Offered

Construction Science and Management (CSM)

CSM 5302. Fundamentals of Construction Contracts and Liability Issues.
This course introduces students to the legal aspects of design and construction contract documents, including dispute resolution methods and professional ethics commonly used in the construction industry. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5304. Fundamentals of Construction Estimating.
This course provides the student with a comprehensive introduction to the principles, techniques, technologies, and basic concepts involving methodologies and strategies used in the preparation of various types of construction estimates and bids. This course does not count as degree credit.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5306. Fundamentals of Commercial Building Construction Systems.
This course is a commercial building construction systems class dealing with soils, site work, heavy foundations, steel, reinforced concrete, pre-cast structures and common assemblies. Commercial MEPs are studied along with CSI master format, as-built/shop drawings, schedule of values, AIA documents, and appropriate building codes. This course does not earn graduate degree credit.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5313. Building Information Modeling.
This course covers understanding the supervisory role of construction professionals in the design process including, directing a design team in the integration of construction documents for commercial buildings, coordination of site work, structural, architectural, mechanical, electrical, plumbing plans and contemporary CAD software for 2D& 3D design including Building Information Modeling. Prerequisite: CSM 2313 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 5360. Construction Company Financial Control.
Financial accounting and cost controls used at the company level in construction companies are studied. Topics include accounting systems, construction project profit calculations, and financial analysis. Prerequisites: CSM 5302 and CSM 5304 and CSM 5306 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 5362. Construction Contract Delivery Systems.
The course will introduce students to designer/contractor interactions, including conceptual estimating and scheduling, the RFQ/RFP process and legal, insurance, risk allocation issues, along with procurement and selection. Prerequisites: CSM 5302 and CSM 5304 and CSM 5306 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Technology (TECH)

TECH 5100. Academic Instruction for Technology.
The course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

TECH 5195. Industrial Internship.
This course is a supervised experiential learning course in Technology Management. This work integrated learning course helps the student link theory with practice. Repeatable for credit. Prerequisites: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5307. Fundamentals of Manufacturing Processes.
Application of metal cutting principles. Includes steel rule dye layout, machine layout, tool life, tool wear, tool geometry and reconditioning, principles of feed rate and speed, material removal rates and power consumption. Machining of steel and castings using various cutting tools. This course does not count toward degree credit.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

TECH 5310. Product Design and Development.
This course provides an overview of the new product realization process. The focus is on the steps of systematic product design including problem identification, product planning, conceptual design, and embodiment design. Standard CAD tools are employed for product modeling. Prerequisite: TECH 2310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5311. Computer Aided Engineering.
Application of computer hardware and software to the design of products and systems; geometric modeling; engineering computational methods; overview of engineering analysis software which may include finite element analysis, manufacturing simulation, solidification modeling, and rapid prototyping.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 5315. Engineering Economic Analysis.
This course deals with economic analytical techniques used in engineering decision making. Topics include time value of money, comparing alternatives, depreciation, replacement, and income tax considerations. Prerequisite: MATH 1315 or MATH 1319 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5364. Robust Product and Process Design.
Provides the student with in-depth knowledge of inferential statistics as applied to design of robust processes and products. Topics covered include probability distributions, ANOVA, fractional factorial design, response surface method, orthogonal arrays, and Taguchi method. Prior experience with introductory-level statistics is assumed. Prerequisite: TECH 5394 with a grade "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5365. Industrial Project Management and Scheduling.
Introduce students to industrial management system concepts and applications as they relate to management operations; system design, implementation and management; case studies of practices; and application of theory to practical problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5382. Industrial Ecology and Sustainability Engineering.
This course covers the basic principles of life cycle analysis (LCA) of engineered products and processes. Topics covered include: industrial ecology, resource depletion, product design, process design, material selection, energy efficiency, product delivery, use, and end of life considerations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5384. Problems in Technology.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. May be repeated for additional credit with permission of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5385. Readings in Technology.
A study of the ethical and moral viewpoints typically associated with American society as related to the development and introduction of new technology and engineering. Past, present, and future issues will be studied with selected readings focusing on industrial related problems and issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5387. Advanced Facilities Planning.
An in-depth study of technical problems encountered in designing, equipping, arranging, and specifying facility requirements for industrial and technical training facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5390. Research in Technology.
Examination of scientific methods including theory formulation, deductive reasoning, hypothesis generation, observation, inductive reasoning, and theory revision. Categories of research are compared and contrasted as regards methodology. In-depth study of experimental research as it relates to significant industrial problems including considerations of design, internal and external validity, and appropriate analytical technique. Introduction to data analysis and its proper interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5391. Advanced Manufacturing Systems.
This course introduces students to various advanced tools, technologies, and strategies in modern manufacturing. An emphasis is placed on the state-of-the-art in factory automation and global and smart manufacturing enterprises. Topics include process automation and control, advanced manufacturing processes, intelligent manufacturing control, and information and communication technology (ICT) in manufacturing. Prerequisites: TECH 5307 with a grade of "C" or better or instructor approval.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5392. Fundamentals of Microelectronics Manufacturing.
An introduction to integrated circuit fabrication to include crystal growth, wafer preparation, epitaxial growth, oxidation, diffusion, ionimplantation, thin film deposition, lithography, etching, device and circuit formation, packaging and testing. Significant project includes circuit design/simulation and/or process design. Laboratory component involves actual production/testing of a functional semiconductor device.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5394. Design of Industrial Experiments.
This course deals with the study of the fundamentals and applications of industrial experiments. Prerequisite: TECH 5390 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5398. Directed Project.
This course is a formal investigation into a business or industry problem. The directed project is an applied research project that is more extensive than an independent study and less extensive than a thesis. The course culminates in a detailed project report and oral presentation. Prerequisite: TECH 5394 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Technology 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Technology Management (Manufacturing Management Concentration Non-thesis Option)

Major Program

The Master of Science (M.S.) degree with a major in Technology Management at Texas State is designed for those who seek careers or career advancement in the management of engineering and production activity in the construction and concrete industries, in the semiconductor, cast metals, machining, fabrication, and other manufacturing industries,

or in the fields of power generation, environmental management, and occupational health and safety.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university. Background course work may be required if the undergraduate degree is **not** in the following fields: industrial technology, technology management, construction science and management, concrete industry management, engineering technology, or engineering.
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- brief statement of purpose to include an explanation of why the applicant is interested in Technology Management as a field of study
- current resume/CV

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

If the GPA falls below the minimum requirement of 2.75, the student may submit the following to be considered for conditional admission:

- official GRE scores (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

Degree Requirements

The Master of Science (M.S.) degree with a major in Technology Management concentration in manufacturing management requires 36 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
TECH 5315	Engineering Economic Analysis	3
TECH 5365	Industrial Project Management and Scheduling	3
TECH 5382	Sustainability in Industrial Management	3
TECH 5390	Research in Technology	3
TECH 5394	Design of Industrial Experiments	3
TECH 5398	Directed Project (Taken twice)	6
Concentration		
Choose 9 hours from the following:		9
TECH 5310	Product Design and Development	
TECH 5311	Computer Aided Engineering	
TECH 5364	Robust Product and Process Design	
TECH 5384	Problems in Technology	
TECH 5387	Planning Advanced Technology Facilities	
TECH 5391	Advanced Manufacturing Systems	
TECH 5392	Fundamentals of Microelectronics Manufacturing	
May choose other advisor-approved courses in the College of Science and Engineering		
Technology Management Cognate		
Choose 6 hours from the following:		6
MGT 5310	Organizational Change Management	
MGT 5311	Process Improvement Management in Organizations	
MGT 5315	New Venture Management	
MGT 5321	Supply Chain Management	
MGT 5325	Managing Business Creativity	
MGT 5391	Managing the Communication Process	
May choose other advisor-approved business courses		
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Engineering Technology: CSM (p.), TECH (p. 2577)

Courses Offered

Construction Science and Management (CSM)

CSM 5302. Fundamentals of Construction Contracts and Liability Issues. This course introduces students to the legal aspects of design and construction contract documents, including dispute resolution methods and professional ethics commonly used in the construction industry. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5304. Fundamentals of Construction Estimating.
This course provides the student with a comprehensive introduction to the principles, techniques, technologies, and basic concepts involving methodologies and strategies used in the preparation of various types of construction estimates and bids. This course does not count as degree credit.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5306. Fundamentals of Commercial Building Construction Systems.
This course is a commercial building construction systems class dealing with soils, site work, heavy foundations, steel, reinforced concrete, pre-cast structures and common assemblies. Commercial MEPs are studied along with CSI master format, as-built/shop drawings, schedule of values, AIA documents, and appropriate building codes. This course does not earn graduate degree credit.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5313. Building Information Modeling.
This course covers understanding the supervisory role of construction professionals in the design process including, directing a design team in the integration of construction documents for commercial buildings, coordination of site work, structural, architectural, mechanical, electrical, plumbing plans and contemporary CAD software for 2D& 3D design including Building Information Modeling. Prerequisite: CSM 2313 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 5360. Construction Company Financial Control.
Financial accounting and cost controls used at the company level in construction companies are studied. Topics include accounting systems, construction project profit calculations, and financial analysis. Prerequisites: CSM 5302 and CSM 5304 and CSM 5306 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 5362. Construction Contract Delivery Systems.
The course will introduce students to designer/contractor interactions, including conceptual estimating and scheduling, the RFQ/RFP process and legal, insurance, risk allocation issues, along with procurement and selection. Prerequisites: CSM 5302 and CSM 5304 and CSM 5306 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Technology (TECH)

TECH 5100. Academic Instruction for Technology.
The course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

TECH 5195. Industrial Internship.
This course is a supervised experiential learning course in Technology Management. This work integrated learning course helps the student link theory with practice. Repeatable for credit. Prerequisites: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5307. Fundamentals of Manufacturing Processes.
Application of metal cutting principles. Includes steel rule dye layout, machine layout, tool life, tool wear, tool geometry and reconditioning, principles of feed rate and speed, material removal rates and power consumption. Machining of steel and castings using various cutting tools. This course does not count toward degree credit.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

TECH 5310. Product Design and Development.
This course provides an overview of the new product realization process. The focus is on the steps of systematic product design including problem identification, product planning, conceptual design, and embodiment design. Standard CAD tools are employed for product modeling. Prerequisite: TECH 2310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5311. Computer Aided Engineering.
Application of computer hardware and software to the design of products and systems; geometric modeling; engineering computational methods; overview of engineering analysis software which may include finite element analysis, manufacturing simulation, solidification modeling, and rapid prototyping.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 5315. Engineering Economic Analysis.
This course deals with economic analytical techniques used in engineering decision making. Topics include time value of money, comparing alternatives, depreciation, replacement, and income tax considerations. Prerequisite: MATH 1315 or MATH 1319 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5364. Robust Product and Process Design.
Provides the student with in-depth knowledge of inferential statistics as applied to design of robust processes and products. Topics covered include probability distributions, ANOVA, fractional factorial design, response surface method, orthogonal arrays, and Taguchi method. Prior experience with introductory-level statistics is assumed. Prerequisite: TECH 5394 with a grade "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5365. Industrial Project Management and Scheduling.
Introduce students to industrial management system concepts and applications as they relate to management operations; system design, implementation and management; case studies of practices; and application of theory to practical problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5382. Industrial Ecology and Sustainability Engineering.
This course covers the basic principles of life cycle analysis (LCA) of engineered products and processes. Topics covered include: industrial ecology, resource depletion, product design, process design, material selection, energy efficiency, product delivery, use, and end of life considerations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5384. Problems in Technology.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. May be repeated for additional credit with permission of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5385. Readings in Technology.
A study of the ethical and moral viewpoints typically associated with American society as related to the development and introduction of new technology and engineering. Past, present, and future issues will be studied with selected readings focusing on industrial related problems and issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5387. Advanced Facilities Planning.
An in-depth study of technical problems encountered in designing, equipping, arranging, and specifying facility requirements for industrial and technical training facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5390. Research in Technology.
Examination of scientific methods including theory formulation, deductive reasoning, hypothesis generation, observation, inductive reasoning, and theory revision. Categories of research are compared and contrasted as regards methodology. In-depth study of experimental research as it relates to significant industrial problems including considerations of design, internal and external validity, and appropriate analytical technique. Introduction to data analysis and its proper interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5391. Advanced Manufacturing Systems.
This course introduces students to various advanced tools, technologies, and strategies in modern manufacturing. An emphasis is placed on the state-of-the-art in factory automation and global and smart manufacturing enterprises. Topics include process automation and control, advanced manufacturing processes, intelligent manufacturing control, and information and communication technology (ICT) in manufacturing. Prerequisites: TECH 5307 with a grade of "C" or better or instructor approval.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5392. Fundamentals of Microelectronics Manufacturing.
An introduction to integrated circuit fabrication to include crystal growth, wafer preparation, epitaxial growth, oxidation, diffusion, ionimplantation, thin film deposition, lithography, etching, device and circuit formation, packaging and testing. Significant project includes circuit design/simulation and/or process design. Laboratory component involves actual production/testing of a functional semiconductor device.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5394. Design of Industrial Experiments.
This course deals with the study of the fundamentals and applications of industrial experiments. Prerequisite: TECH 5390 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5398. Directed Project.
This course is a formal investigation into a business or industry problem. The directed project is an applied research project that is more extensive than an independent study and less extensive than a thesis. The course culminates in a detailed project report and oral presentation. Prerequisite: TECH 5394 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Technology 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Technology Management (Manufacturing Management Concentration Thesis Option)

Major Program

The Master of Science (M.S.) degree with a major in Technology Management at Texas State is designed for those who seek careers or career advancement in the management of engineering and production activity in the construction and concrete industries, in the semiconductor, cast metals, machining, fabrication, and other manufacturing industries, or in the fields of power generation, environmental management, and occupational health and safety.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university. Background course work may be required if the undergraduate degree is **not** in the following fields: industrial technology, technology management, construction science and management, concrete industry management, engineering technology, or engineering.
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)*
- GRE not required*
- brief statement of purpose to include an explanation of why the applicant is interested in Technology Management as a field of study
- current resume/CV

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**

If the GPA falls below the minimum requirement of 2.75, the student may submit the following to be considered for conditional admission:

- official GRE scores (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

Degree Requirements

The Master of Science (M.S.) degree with a major in Technology Management concentration in manufacturing management requires 36 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
TECH 5315	Engineering Economic Analysis	3
TECH 5365	Industrial Project Management and Scheduling	3
TECH 5382	Sustainability in Industrial Management	3
TECH 5390	Research in Technology	3
TECH 5394	Design of Industrial Experiments	3
Concentration		
Choose 9 hours from the following:		9
TECH 5310	Product Design and Development	
TECH 5311	Computer Aided Engineering	
TECH 5364	Robust Product and Process Design	
TECH 5384	Problems in Technology	
TECH 5387	Planning Advanced Technology Facilities	
TECH 5391	Advanced Manufacturing Systems	
TECH 5392	Fundamentals of Microelectronics Manufacturing	
May choose other advisor-approved courses in the College of Science and Engineering		
Thesis		
TECH 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
TECH 5199B	Thesis	

TECH 5299B	Thesis	
TECH 5399B	Thesis	
TECH 5599B	Thesis	
TECH 5999B	Thesis	
Technology Management Cognate		
Choose 6 hours from the following:		6
MGT 5310	Organizational Change Management	
MGT 5311	Process Improvement Management in Organizations	
MGT 5315	New Venture Management	
MGT 5321	Supply Chain Management	
MGT 5325	Managing Business Creativity	
MGT 5391	Managing the Communication Process	
May choose other advisor-approved business courses		
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Engineering Technology: CSM (p.), TECH (p. 2581)

Courses Offered

Construction Science and Management (CSM)

CSM 5302. Fundamentals of Construction Contracts and Liability Issues.
This course introduces students to the legal aspects of design and construction contract documents, including dispute resolution methods and professional ethics commonly used in the construction industry. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5304. Fundamentals of Construction Estimating.
This course provides the student with a comprehensive introduction to the principles, techniques, technologies, and basic concepts involving methodologies and strategies used in the preparation of various types of construction estimates and bids. This course does not count as degree credit.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5306. Fundamentals of Commercial Building Construction Systems.
This course is a commercial building construction systems class dealing with soils, site work, heavy foundations, steel, reinforced concrete, pre-cast structures and common assemblies. Commercial MEPs are studied along with CSI master format, as-built/shop drawings, schedule of values, AIA documents, and appropriate building codes. This course does not earn graduate degree credit.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5313. Building Information Modeling.
This course covers understanding the supervisory role of construction professionals in the design process including, directing a design team in the integration of construction documents for commercial buildings, coordination of site work, structural, architectural, mechanical, electrical, plumbing plans and contemporary CAD software for 2D& 3D design including Building Information Modeling. Prerequisite: CSM 2313 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 5360. Construction Company Financial Control.
Financial accounting and cost controls used at the company level in construction companies are studied. Topics include accounting systems, construction project profit calculations, and financial analysis. Prerequisites: CSM 5302 and CSM 5304 and CSM 5306 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 5362. Construction Contract Delivery Systems.
The course will introduce students to designer/contractor interactions, including conceptual estimating and scheduling, the RFQ/RFP process and legal, insurance, risk allocation issues, along with procurement and selection. Prerequisites: CSM 5302 and CSM 5304 and CSM 5306 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Technology (TECH)

TECH 5100. Academic Instruction for Technology.
The course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

TECH 5195. Industrial Internship.
This course is a supervised experiential learning course in Technology Management. This work integrated learning course helps the student link theory with practice. Repeatable for credit. Prerequisites: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5307. Fundamentals of Manufacturing Processes.
Application of metal cutting principles. Includes steel rule dye layout, machine layout, tool life, tool wear, tool geometry and reconditioning, principles of feed rate and speed, material removal rates and power consumption. Machining of steel and castings using various cutting tools. This course does not count toward degree credit.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

TECH 5310. Product Design and Development.
This course provides an overview of the new product realization process. The focus is on the steps of systematic product design including problem identification, product planning, conceptual design, and embodiment design. Standard CAD tools are employed for product modeling. Prerequisite: TECH 2310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5311. Computer Aided Engineering.
Application of computer hardware and software to the design of products and systems; geometric modeling; engineering computational methods; overview of engineering analysis software which may include finite element analysis, manufacturing simulation, solidification modeling, and rapid prototyping.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 5315. Engineering Economic Analysis.
This course deals with economic analytical techniques used in engineering decision making. Topics include time value of money, comparing alternatives, depreciation, replacement, and income tax considerations. Prerequisite: MATH 1315 or MATH 1319 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5364. Robust Product and Process Design.
Provides the student with in-depth knowledge of inferential statistics as applied to design of robust processes and products. Topics covered include probability distributions, ANOVA, fractional factorial design, response surface method, orthogonal arrays, and Taguchi method. Prior experience with introductory-level statistics is assumed. Prerequisite: TECH 5394 with a grade "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5365. Industrial Project Management and Scheduling.
Introduce students to industrial management system concepts and applications as they relate to management operations; system design, implementation and management; case studies of practices; and application of theory to practical problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5382. Industrial Ecology and Sustainability Engineering.
This course covers the basic principles of life cycle analysis (LCA) of engineered products and processes. Topics covered include: industrial ecology, resource depletion, product design, process design, material selection, energy efficiency, product delivery, use, and end of life considerations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5384. Problems in Technology.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. May be repeated for additional credit with permission of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5385. Readings in Technology.
A study of the ethical and moral viewpoints typically associated with American society as related to the development and introduction of new technology and engineering. Past, present, and future issues will be studied with selected readings focusing on industrial related problems and issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5387. Advanced Facilities Planning.
An in-depth study of technical problems encountered in designing, equipping, arranging, and specifying facility requirements for industrial and technical training facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5390. Research in Technology.
Examination of scientific methods including theory formulation, deductive reasoning, hypothesis generation, observation, inductive reasoning, and theory revision. Categories of research are compared and contrasted as regards methodology. In-depth study of experimental research as it relates to significant industrial problems including considerations of design, internal and external validity, and appropriate analytical technique. Introduction to data analysis and its proper interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5391. Advanced Manufacturing Systems.
This course introduces students to various advanced tools, technologies, and strategies in modern manufacturing. An emphasis is placed on the state-of-the-art in factory automation and global and smart manufacturing enterprises. Topics include process automation and control, advanced manufacturing processes, intelligent manufacturing control, and information and communication technology (ICT) in manufacturing. Prerequisites: TECH 5307 with a grade of "C" or better or instructor approval.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5392. Fundamentals of Microelectronics Manufacturing.
An introduction to integrated circuit fabrication to include crystal growth, wafer preparation, epitaxial growth, oxidation, diffusion, ionimplantation, thin film deposition, lithography, etching, device and circuit formation, packaging and testing. Significant project includes circuit design/simulation and/or process design. Laboratory component involves actual production/testing of a functional semiconductor device.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5394. Design of Industrial Experiments.
This course deals with the study of the fundamentals and applications of industrial experiments. Prerequisite: TECH 5390 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5398. Directed Project.
This course is a formal investigation into a business or industry problem. The directed project is an applied research project that is more extensive than an independent study and less extensive than a thesis. The course culminates in a detailed project report and oral presentation. Prerequisite: TECH 5394 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Technology 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Minor in Industrial Technology

The graduate minor in Industrial Technology requires 15 semester credit hours of advisor-approved Industrial Technology courses.

Department of Mathematics

Math/Computer Science Building Room 470
T: 512.245.2551 F: 512.245.3425
http://www.math.txstate.edu/

The Department of Mathematics provides an environment at the forefront of research that produces graduates highly qualified in mathematics and mathematics education who will contribute to making Texas a leader in mathematics, science and technology. Offering a rich mathematical experience where students learn to think critically, communicate mathematical concepts effectively, and become lifetime learners, we maintain a nationally known community of faculty and students in the study of mathematics, mathematics education, discrete mathematics, and related disciplines.

Goals

The program courses are designed to develop studies appropriate to preparing students for doctoral research, preparing students to teach mathematics at various levels including community college and public school teaching, or preparing students to apply mathematics and statistics to solve functional problems in fields such as engineering and applied sciences, thus preparing them for careers in applied mathematics.

Faculty

The faculty has specialists in algebra, analysis, applied mathematics, statistics, bifurcation theory, differential equations, differential geometry, non-linear functional analysis, number theory, graph theory, combinatorics, mathematics education, quadratic forms, and topology. The library collection is extensive in both journals and reference works with current journals available.

Financial Assistance

Mathematics graduate students are encouraged to work as assistant instructors. The stipends for these assistantships are comparable to national norms and generally require teaching two courses per term. Information may be obtained by writing the department chair. The Graduate College can provide information on the availability of graduate scholarships.

Doctor of Philosophy (Ph.D.)

- Major in Mathematics Education (p. 2584)

Master of Education (M.Ed.)

- Major in Mathematics (p. 2596)
- Major in Middle School Mathematics Teaching (p. 2601)

Master of Science (M.S.)

- Major in Mathematics (Applied Mathematics Concentration Non-thesis Option) (p. 2606)
- Major in Mathematics (Applied Mathematics Concentration Thesis Option) (p. 2611)
- Major in Mathematics (Non-thesis Option) (p. 2617)
- Major in Mathematics (Non-thesis Minor Option) (p. 2622)
- Major in Mathematics (Statistics Concentration Non-thesis Option) (p. 2627)
- Major in Mathematics (Statistics Concentration Thesis Option) (p. 2633)
- Major in Mathematics (Thesis Option) (p. 2639)
- Major in Mathematics (Thesis Minor Option) (p. 2645)

Minor

- Mathematics (p. 2651)

Doctor of Philosophy (Ph.D.) Major in Mathematics Education

Offered through the Department of Mathematics at Texas State, this Ph.D. program has a particular strength in the number of courses required in mathematics to complement courses in the teaching and learning of mathematics: Doctoral graduates will have completed a substantial mathematics core in addition to the mathematics education core, thus opening a wide variety of employment opportunities.

The program is designed for people whose career goals will take them into professional leadership roles involving mathematics education within the United States or internationally. Graduates of the program will be prepared for positions as mathematicians or mathematics-education faculty in colleges and universities; as decision makers in state or local education agencies; as researchers in think tanks, corporations, or not-for-profit organizations; as high-ranking staff in foundations or international organizations; or decision-makers within a national ministry of education.

Students beginning the program are expected to have an undergraduate degree in mathematics, mathematics education, or a related field. Students, especially those with a degree in a related field other than mathematics or mathematics education, may need to take background leveling courses. This would be decided on a case by case basis by the appropriate advisor and would be articulated at the time of admission.

Educational Goal

The educational objectives of the program in mathematics education are:

- To develop a well-balanced foundation in mathematics content including in-depth understanding of basic principles.
- To understand the mathematics needed for our rapidly changing technological society.
- To link mathematics content to pedagogy for effective teaching that addresses educational needs through the entire P-20 continuum.
- To understand how to design best and most effective curriculum and ways to deliver this curriculum.
- To contribute to the knowledge in mathematics education by original research.
- To produce Ph.D. graduates who can become the leaders in the state and the nation's educational community concerning the teaching of mathematics appropriate for the demands of the 21st century.
- To produce high-quality teachers of mathematics at all levels.

Teaching Experience

Each student in the mathematics education program is expected to have two years teaching experience. A student who has taught for two or more years at full-time status in the public school system will be considered to have met this requirement. A student who has not met this requirement upon admission will be required to gain practical teaching experience before graduation. If a student receives a teaching assistantship while in the program, each long term during which the student has a two-course assignment will count as one half of a year of experience. A student who teaches two summer sessions will be given credit for one long semester. In the event that a student has other forms of practical teaching experience, the mathematics education advisor will determine the amount of credit received on an individual basis.

Financial Assistance

Almost all doctoral students are expected to receive full financial assistance from the department working as instructional assistants or research assistants. You must be accepted as a Ph.D. student in order to apply. In addition, you much submit to the department:

- a completed employment application form which can be downloaded from the departmental web site;
- at least one letter of recommendation on your ability to teach, which could be one of the three letters you sent for your admission;
- a current vita.

Please visit the departmental website for more detailed information. The financial aid application deadline is the same as that for graduate admission. Note that only a very limited number of positions are available for spring semesters. Stipends for research assistantships depend on the types of research grants. Additional summer support is available as instructional assistants or research assistants. Contact the department for more information.

In addition to the financial aid from the Department of Mathematics, The Graduate College offers a wide variety of graduate assistantships and scholarships. Visit the Department of Mathematics website http://www.math.txstate.edu/ or The Graduate College website http://www.gradcollege.txstate.edu/. Please note that the deadlines for these and other scholarships may be different from those for instructional assistants of mathematics.

Advising

Each student is required to pass 36 hours of core courses, a minimum of 24 hours of elective courses, and a minimum of 18 hours of dissertation, yielding a minimum of 78 hours in course work. No grade earned below a "B" on any graduate course may apply toward a Ph.D. at Texas State. However, a student's doctoral program requirements may be modified as a result of a change to their research goals or performance in the qualifying exams.

Each Ph.D. student is issued a preliminary degree audit by The Graduate College which should be used to plan the student's course of study. In

the first term of enrollment, students should review the degree audit in consultation with their supervising professor and the program director. Doctoral degree audits are tailored with the individual student in mind. It is therefore possible for the individual degree audit to exceed the number of degree hours identified in the catalog.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree or higher (or the equivalent thereof) in mathematics, mathematics education, or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 3.0 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- effective spring 2020, GRE is not required
- interview with faculty
- resume/CV
- statement of purpose (500 words) describing the student's background and professional goals, including the rationale for pursuing a doctoral degree in mathematics education and teaching philosophy
- three letters of recommendation addressing the student's professional and academic background as well as research and teaching potential
- two years of teaching experience

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Doctor of Philosophy (Ph.D.) degree with a major in Mathematics Education requires 78 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
ED 7352	Beginning Qualitative Design and Analysis	3
or CI 7352	Beginning Qualitative Design and Analysis	
MATH 7302	History of Mathematics	3
MATH 7303	Analysis I	3
MATH 7306	Current Research in Math Education	3
MATH 7307	Algebra I	3
MATH 7309	Topology I	3
MATH 7324	Curriculum Design & Analysis	3
MATH 7325	Statistics 1	3
MATH 7328	Instructional Techniques & Assessments	3
MATH 7346	Quantitative Research Analysis in Mathematics Education	3
Choose 6 hours from the following:		6
MATH 7321	Graph Theory	
MATH 7331	Combinatorics	
MATH 7356A	Advanced Quantitative Research	
MATH 7356B	Advanced Qualitative Research	
Electives		
Choose 24 hours from the following:		24
MATH 7188	Seminar in Mathematics Education	
MATH 7313	Analysis II	
MATH 7317	Algebra II	
MATH 7319	Topology II: Algebraic Topology	
MATH 7321	Graph Theory	
MATH 7331	Combinatorics	
MATH 7335	Statistics II: Linear Modeling	
MATH 7366A	Teaching Post-Secondary Students (Developmental Math, Service Courses, and Majors)	
MATH 7366B	Teaching K-12 Students (Elementary, Middle School, and High School)	
MATH 7366C	Teaching Teachers (In-Service; Pre-Service)	
MATH 7366D	Teaching Specialized Content	
MATH 7366E	Developmental Mathematics Curriculum	
MATH 7371A	Advanced Graph Theory	
MATH 7371B	Advanced Combinatorics	
MATH 7371C	Combinatorial Number Theory	
MATH 7371D	Discrete Optimization	
MATH 7371E	Algorithms and Complexity	
MATH 7371F	Probabilistic Methods in Discrete Mathematics	
MATH 7371G	Applied Discrete Mathematics	
MATH 7371H	Combinatorial Networks	
MATH 7378A	Problem Solving, Reasoning, and Proof	
MATH 7378B	Connecting and Communicating Math	
MATH 7378C	Representing Fundamental Math Ideas (Function, Data Analysis, and Enumeration)	
MATH 7378D	Math Technologies	
MATH 7378E	Developmental Mathematics Perspectives	
MATH 7378F	Research on Mathematical Problem Solving in Secondary Schools	

MATH 7378G	Discourse Processes, Traditions, and Analysis in Mathematics Education	
MATH 7386	Independent Study in Mathematics Education	
MATH 7389	Internship	
May choose advisor-approved electives from outside the department		
Dissertation		
Choose a minimum of 18 hours from the following:		18
MATH 7199A	Dissertation in Mathematics Education	
MATH 7299A	Dissertation in Mathematics Education	
MATH 7399A	Dissertation in Mathematics Education	
MATH 7599A	Dissertation in Mathematics Education	
MATH 7699A	Dissertation in Mathematics Education	
MATH 7999A	Dissertation in Mathematics Education	
Total Hours		78

Qualifying Examination

Typically, after completion of the core courses or by the end of the second year in residence, each student will be required to take written qualifying examinations. To be eligible to take the qualifying examinations, the student normally will have a minimum grade point average of 3.5 on all the core courses including the transferred equivalent courses that the student has completed. A student will choose two of the following topics to be on his or her qualifying examinations: algebra, analysis, topology, statistics, and discrete mathematics. Mathematics education will be the third topic.

Following the successful completion of all qualifying exams, a student may register for a maximum of three of the required eighteen dissertation credits until successful defense of the dissertation proposal.

Comprehensive Examination Requirements

A comprehensive oral examination of the student's dissertation proposal will take place as part of the proposal defense.

Advancement to Candidacy

Application for Advancement to Candidacy

The dean of The Graduate College approves advancement to candidacy once all requirements are met. Doctoral students must be advanced to candidacy within five years of initiating Ph.D. course work applied toward the degree. Students need to indicate their intent to advance to candidacy during the term they complete the 60 hours of required course work and other departmental requirements. The student will need to download the Advancement to Candidacy form from The Graduate College website. The student will need to complete the form and return it to the doctoral program director. The doctoral program director will then submit the completed form to the dean of The Graduate College for review.

The doctoral candidacy requirements include:

1. Completion of all required course work with the exception of dissertation credit hours.
2. Successful passage of all three qualifying exams.
3. Successful passage of the comprehensive exam.
4. Approval of the dissertation proposal.
5. At least a 3.5 GPA on all doctoral required courses.

Advancement to Candidacy Time Limit

No credit will be applied toward the doctoral degree for course work completed more than five years before the date on which the student is advanced to candidacy. This time limit applies toward credit earned at Texas State as well as credit transferred to Texas State from other accredited institutions.

Requests for a time extension must be submitted to the doctoral program director, who in turn, submits a recommendation to the dean of The Graduate College.

Grade-Point Requirements for Advancement to Candidacy

To be eligible for advancement to candidacy, the student must have a minimum GPA of 3.5. No grade earned below a "B" on any graduate course may apply toward a Ph.D. at Texas State.

Incomplete grades must be cleared through the office of The Graduate College before a student can be approved for advancement to candidacy.

Dissertation Proposal

In order to be advanced to candidacy, a student must select a doctoral dissertation advisor and committee, submit a dissertation proposal, and successfully defend the proposal in an oral examination with the dissertation committee. The examination will address the problem definition and scope, the relevant literature, and the research method of the proposed dissertation topic. Information about the formation of the dissertation committee can be found in the "Dissertation Research and Writing" section of this catalog.

Recommendation for Advancement to Candidacy

The doctoral program committee recommends the applicant for advancement to candidacy to the doctoral program director, the department chair, and the dean of The Graduate College. The dean of The Graduate College certifies the applicant for advancement to candidacy once all requirements have been met. To be eligible for admission to candidacy, the student must have successfully completed the qualifying and/or comprehensive exam(s), completed all course work, and successfully defended the dissertation proposal.

Dissertation Research and Writing

All doctoral students are required to complete a dissertation. The dissertation must be an original contribution to scholarship and the result of independent investigation in a significant area. Preparation of the dissertation must follow the latest edition of Kate L. Turabian's *A Manual for Writers.*

Dissertation Enrollment Requirements

Enrollment

After being admitted to candidacy, students must be continuously enrolled each term for at least three dissertation hours. If a student is receiving supervision on the dissertation during the summer or the student is graduating during the summer, the student must be enrolled in dissertation hours for the summer. All candidates for graduation must be enrolled in dissertation hours during the term in which the degree is to be conferred.

Hours

Students must complete a minimum of 18 semester hours of dissertation research and writing credit.

Dissertation Time Limit

Students are expected to complete the dissertation within three years of advancement to candidacy. The mathematics education program director will review the students' annual progress to ascertain his or her progress in pursuing the degree. The program director will consult with the student's Ph.D. advisor and dissertation committee on this matter as appropriate.

Dissertation Committee

A dissertation committee must be formed to oversee the research and writing of the dissertation. The dissertation committee will include a dissertation advisor and a minimum of three additional members (one of whom must be an external member).

The members must be chosen from qualified Ph.D. faculty. The dissertation advisor and the committee members must be selected in consultation with the student. The dissertation advisor will chair the dissertation committee and must be from the major department. The dissertation advisor and committee members must be approved by the doctoral program director, the department chair, and the dean of The Graduate College.

The student is responsible for obtaining committee members' signatures on the proper forms and submitting the forms to the department for further routing approval. The forms may be downloaded from The Graduate College website.

Committee Changes

Any changes to the dissertation committee must be submitted for approval to the dissertation committee chair, the doctoral program director, the department chair, and the dean of The Graduate College. Changes must be submitted no less than sixty days before the dissertation defense. The "Ph.D. Research Advisor/Committee Member Change Request form" may be downloaded from The Graduate College website.

Dissertation Defense

The dissertation defense may not be scheduled until all other academic and program requirements have been fulfilled. A complete draft of the dissertation must be given to the members of the dissertation committee at least 65 days before the date of commencement during the term in which the student intends to graduate. After committee members have reviewed the draft with the student and provided comments, the student, in consultation with the research advisor, will incorporate the recommended changes into a second draft of the dissertation. When each committee member is satisfied that the draft dissertation is defendable, dissertation defense will be scheduled.

The dissertation defense will consist of two parts. The first part is an oral presentation of the dissertation research given as a public seminar. The second part of the defense will immediately follow the public presentation, but is restricted to the student's dissertation committee, and will entail an oral examination over the dissertation research. The full committee, including all external members, must be present. Approval of the dissertation requires positive votes from the student's Ph.D. advisor and a majority of the remaining members of the dissertation committee.

Specific information on the examination and defense procedure can be obtained from the doctoral program director.

Approval and Submission of the Dissertation

Following approval and signing of the dissertation by the members of the dissertation committee, the student must submit one copy of the dissertation and one signed "Thesis/Dissertation Committee Approval form" to The Graduate College for final approval. Specific guidelines for approval and submission of the dissertation can be obtained from the office of The Graduate College. Dissertations must be submitted in electronic format.

Doctoral level courses in Mathematics Education: ED (p. 2587), MATH (p. 2592)

Courses Offered

Education (ED)

ED 7199A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7199B. Dissertation.
Original research and writing in Education-School improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7299A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7299B. Dissertation.
Original research and writing in Education-School improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7310. Instructional Roles in Counseling, Leadership, Adult Education & School Psychology.
This seminar is intended to prepare graduate teaching and instructional assistants in the CLAS Department to function effectively in various instructional and instructional support roles. Required for first-year teaching assistants and GIAs. This course does not earn graduate degree credit. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ED 7311. Educational Philosophy in a Social Context.
This course examines the philosophical foundations of education from the time of Plato through current writings. It frames these foundations through the lens of educational challenges of today. Readings include classical and current writings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7312. Leadership and Organizational Change.
This course will familiarize students with different perspectives on organizations, different paradigms by which they might be viewed, and a survey of research done on organizations, organizational leadership and change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7313. Advanced Studies in Adult Learning and Development.
This advanced seminar will examine research and theoretical literature on a variety of topics including: characteristics of adult learners; models of adult cognitive and psychosocial development; adult cognition, memory, and intelligence; and principles for facilitating adult learning. Restricted to Ph.D. in Education degree, Major in School Improvement.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7314. Community Development for Educators.
Examines models and methods of community development as relevant to the practice and scholarship of formal and non-formal education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7315. Models of Inquiry: Understanding Epistemologies.
This course examines the philosophies informing different research epistemologies, and examples of how these can be actualized methodologically. Philosophies to be analyzed include feminism, and race-based theory. This course will help students see the multiple possibilities for conducting research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7316. Advanced Studies in Adult Development.
This course examines current theories of adult development, fundamental developmental changes in adulthood, and the implications for practice in adult education. Restricted to students admitted to the Education Ph.D. Program- APCE major or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7318. Advanced Studies in Adult Learning.
This advanced seminar will examine research and theoretical literature on a variety of topics related to adult learning such as: characteristics and diversity of adult learners; key theories of adult learning; alternative perspectives on adult learning; intelligence, aging and wisdom; and learning in the digital age. Restricted to students admitted to the Education Ph.D. Program – APCE major or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7320. Literature Review for Research Writing.
In this seminar course, students conduct a careful examination of a body of literature related to a research topic in adult/professional/community/lifelong education. The literature review tests research questions in relation to what is published about a topic, discusses various positions, crafts coherent arguments and addresses knowledge gaps. Prerequisites: ED 7352 or ED 7351, all with a grade of "B" or better. Restriction: Doctoral standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7321. Historical and Philosophical Foundations and Contemporary Issues in Adult Education.
Examines historical and philosophical foundations for the study and practice of adult professional, and community education in formal and non-formal settings; and contemporary issues in adult education in a "learning society." Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7322. Human Resource and Professional Development.
Examines the methods, practices, and issues of facilitating learning related to occupational, professional, and volunteer roles. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7323. Community/Organizational Leadership and Management.
Examines issues and strategies related to the operation and delivery of educational programs in post-secondary, adult, and community settings. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7324. Problems and Strategies in Program Planning Seminar.
Addresses principles and procedures, issues and trends, utilization of assessment, goal setting, and other effective strategies for developing learning opportunities and programs responsive to human, professional, and community needs. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7326. Theoretical Foundations of Educational Policy, Politics and Practice.
This course examines the historical and theoretical underpinnings informing educational policy, politics and social justice. It addresses both the micro and macro levels of the context, values, and cultural norms guiding policy and practice in a democratic society. Prerequisites: ED 7311 and ED 7312 and ED 7313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7327. Education Policy Development.
This course equips students with the skills needed to analyze the origins and consequences of existing policy and to play active roles in policy development for educational equity and social justice. Prerequisite: ED 7326 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7328. Research and Analysis in Education Policy.
This course engages students in a field-based educational policy research project using quantitative and qualitative techniques. Students will develop their skills to identify policy issues, gather and analyze data, and draw conclusions, and disseminate findings. Prerequisites: ED 7326 and ED 7327 and ED 7351 and ED 7352, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7329. Field-Based Experience in Educational Policy.
This course provides fieldbased practice in policy analysis and development from a democratic and social justice perspective. With guidance from a university faculty supervisor and site mentor, the student will develop and implement a policy project related to democracy and social justice. Prerequisite: ED 7328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7331. Foundations of School Improvement.
Examines school improvement efforts from philosophical, political, psychological, cultural, ethical, and technological foundations. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7332. Facilitating School Improvement.
Examines school culture, schools as learning communities, the change process, and research-based school improvement models, with experiential applications. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7333. Curriculum and Instructional Leadership.
Examines the relationship between curriculum, instructional improvement, and teacher development, with experiential applications. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7334. Models of Educational Assessment.
Includes assessment of student learning at the individual, classroom, school, and system level; teacher assessment; and program assessment. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7341. Dissertation Proposal Development.
In this course students approaching dissertation stage meet in a seminar designed to help them clarify their research problem and develop a preliminary proposal for the dissertation. Core and concentration courses must be completed with minimum grades of "B" in each course prior to taking ED 7341. Prerequisites: ED 7351 and ED 7352, and ED 7353 or ED 7354, all with a grade of "B" or better. Departmental approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7345. Human Resources and Instructional Management.
This course focuses on the twin areas of human resource administration and instructional improvement. Topics addressed include legal requirements for personnel management, staff supervision, appraisal, and development, curriculum planning and alignment and student assessment. Students taking the course will complete an original research project under the instructor's direction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7347. The Superintendency.
This course addressed issues critical to superintendents in Texas. These include leadership, leadership assessment, school board relations, and other governance issues, management strategies, the role of public education in a democratic society, and professional ethics. Students taking the course will complete an original research project under the instructor's direction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7349. School Finance and Business Management.
This course focuses on the financing of public schools. Students will examine the school budgeting process, sources of school revenues, principals of taxation, methods of school fund accounting, and techniques of business management. Students taking the course will complete an original research project under the instructor's direction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7351. Beginning Quantitative Research Design and Analysis.
Includes descriptive statistics; sampling techniques; statistical inference including the null hypothesis, significance tests, and confidence intervals; and causal-comparative analyses, including t-test and ANOVA. Prerequisites: Core and Concentration courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7352. Beginning Qualitative Design and Analysis.
Introduces the qualitative paradigm. Includes distinctive features, alternative qualitative traditions, purposeful sampling, common data collection methods, inductive analysis, the role of the researcher, and evaluating qualitative research. Prerequisites: Core and Concentration courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7353. Intermediate Quantitative Research Design and Analysis.
This course focuses on issues in the design and implementation of quantitative research. Topics include ANOVA, ANCOVA, and MANOVA, correlation analysis, regression analysis, nonparametric tests, and relationships between experimental designs and statistical analysis techniques. Prerequisite: ED 7351 with a grade of "B" or better, or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7354. Intermediate Qualitative Design and Analysis.
Focuses on issues in design and implementation of qualitative research. Topics include influence of alternative traditions, literature in qualitative research, access to the field and ethical issues, researcher-participant relationships, purposeful sampling strategies, inductive analysis procedures, developing theory, and reporting research. Prerequisite: ED 7352 with a minimum grade of "B", or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7357. Advanced Study in Action Research.
This course examines underlying theory, practice, skills, and issues in action research. Conducting research in the area of action research is also addressed. This course is an appropriate elective for majors in School Improvement or Adult, Professional and Community Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7359. Seminar in Quantitative Research.
This course is a small group seminar that focuses on analytic strategies specific to the doctoral student's dissertation topic. Examples include structural equation modeling, hierarchical linear modeling, log linear modeling, non-parametric analyses, factor analysis, factorial analysis of variance, and other multivariate statistical methods. Prerequisites: ED 7351 and ED 7353, all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7361. Understanding People: Professional Development.
Fundamental issues related to development of personnel. Knowledge of staff appraisal, adult learning and development, and staff development. Focus on professional development in K-12 schools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7362. Supervision of Instruction.
Concepts of curriculum and instructional models for schools will be developed. Factors such as curriculum leadership and instructional improvement are considered as part of the internal environment. An emphasis will be placed on supervision knowledge, skills, and tasks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7363. Curriculum Design.
Theory and practice in planning for curriculum needs assessment, development, implementation, and evaluation. Focus on K-12 school curricula. Students who have completed EDA 6342 may not take this course for doctoral credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7364. Team Development in Education.
This course addresses the development and use of educational teams to improve educational organizations, teaching, and learning. Because of its focus on education, it is recommended only for doctoral students preparing for careers in educational settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7371. Anthropology and Education.
This course introduces the student to the basic concepts in anthropology and education and sketches the application of these concepts. It explores the research in anthropology and education with relevance to both K-12 schools and other, more general educational settings. The course is an appropriate elective for Education Ph.D. majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7378. Problems in Education.
Individual problems or topics will be designed and completed to emphasize selected areas of study. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted
Grade Mode: Standard Letter

ED 7379. Independent Study.
Individual problems or topics will be designed and completed to emphasize selected areas of study in the Counseling, Leadership, Adult Education & School Psychology Department. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7389B. Seminar in International Educational Research: Chile.
This course develops theoretical knowledge, methodological skills, and scholarly capacity for international educational research. It focuses on research within the complex educational environment of Chile, involving seminar components held at the university and research fieldwork in Chile. International research is framed as a form of service learning. Restricted to students in the PhD in Education program.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389C. Advanced Theory in Qualitative Research.
This course features advanced study in qualitative research methods. The course studies such methods as ethnography, case study, phenomenology, narrative analysis, post-qualitative research, grounded theory, or more advanced qualitative research in general and their constitutive field techniques. Prerequisites: Introduction to Qualitative Research and Intermediate Qualitative Research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389D. Advanced Theory in Qualitative Research: Narrative Research.
The purpose of this course is to explore the possibilities of narrative research. The course will provide an overview of narrative inquiry, look at various theories and corresponding examples of research, and explore, analyze, and interpret data using narrative methods. Prerequisites: Introduction to Qualitative Research and Intermediate Qualitative Research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389E. Mexican Perspectives on Mexico - U.S. Immigration.
The course gives U.S. educators an understanding of Mexican to U.S. immigration from Mexican women's perspectives. Students will read background information and visit Mexico where through lectures, field interviews, and field visits, they will view immigration from the "other side". They will analyze and write up data when they return.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389H. Oracy and Language Expression for Educators.
This course focuses on the theory and practice of language expression. It emphasizes the relationship between audience analysis, speaker goals, organized outlines, delivery and development of personal style of presentation skills. The course offers direct experience writing, delivering, and constructively evaluating public speeches in a variety of educational contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389L. Writing for Publication.
Students will hone their writing skills. Students will work individually and in groups, getting feedback from other students and the instructor. Topics include APA style, getting started, first drafts, polishing and tightening, re-writing, submitting a manuscript, responding to feedback/reviews and more. Restricted to masters' and doctoral students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389M. Shifting Demographics in Texas: Exploring Education, Democracy and Healthy Communities.
Students will explore the shifting population in Texas through multiple frames including historical, sociological, anthropological and political. Class will canvas the literature and emerging community conditions as a vehicle for imagining possible theoretical, policy and local responses to the conditions we see in schools and local communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389O. Educational Privatization: Policies, Actors, and Effects.
This course interrogates the origins and outcomes of educational privatization. In this course, students will review the foundations of education as a public good, study frameworks and theories of privatization, trace public policies promoting privatization, delineate types of educational privatization over time, and examine the actors involved in educational privatization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389P. International Comparative Adult, Community, and Higher Education Research and Study: Italy.
This course develops theoretical knowledge, methodological skills, and scholarly capacity for educational research. It focuses on comparative adult, higher, and socio-cultural education within the complex educational environment of Italy, involving seminar components held at the university and research fieldwork and presentation in Italy. Prerequisite: Should the student not be able to participate in the international component of the course, a domestic alternative can be discussed prior to enrollment.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389Q. Schools, Communities and Race in a Democratic Society.
The class explores race through a personal lived perspective. This class will view race as a social construct. Students will interrogate the phenomena of race through multiple lens and frames, including but not limited to, an ontological perspective, its use in organizations, and its use in re-segregating society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7399A. Dissertation.
Original research and writing in Adult, Professional, and Community Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted
Grade Mode: Credit/No Credit

ED 7399B. Dissertation.
Original research and writing in School Improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted
Grade Mode: Credit/No Credit

ED 7599A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7599B. Dissertation.
Original research and writing in Education-School improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7699A. Dissertation.
The student conducts original research and writing in Adult, Professional, and Community Education, guided by the direct supervision of the dissertation chair. While conducting dissertation research and writing, students must be continuously enrolled.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7699B. Dissertation.
Students produce a dissertation under direct supervision of dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled. Prerequisites: Core, Concentration, and Methodology courses or instructor's permission.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7999A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7999B. Dissertation.
Original research and writing in Education-School Improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Mathematics (MATH)

MATH 7111. Seminar in Teaching.
Seminar on individual study projects concerned with selected problems in the teaching of mathematics. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 7187. Seminar in Mathematics.
Students are required to attend weekly research seminars in mathematics and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7188. Seminar in Mathematics Education.
Students are required to attend weekly research seminars in Mathematics Education and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7199A. Dissertation.
Original research and writing in Mathematics Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7299A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7301. Studies in Mathematics.
This course provides basic foundations in Mathematics for students entering the doctoral program in Mathematics Education. This course may be repeated. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 7302. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7303. Analysis I.
This course covers foundations of modern analysis. Topics include: sequences, LimSup, LimInf, Sigma Algebras of sets that include open and closed sets, sequences of functions, pointwise and uniform convergence, lower and upper semi-continuity, Borel sets, outer measure, and Lebesgue measure. Prerequisite: MATH 4315.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7306. Current Research in Math Education.
This course surveys the various current social, political, and economic trends in local, state, national, and international settings that are related to research in Mathematics Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7307. Algebra I.
Applications of Algebra and topics in modern algebra, including permutation groups, symmetry groups, Sylow theorems, and select topics from Ring Theory. Prerequisite: MATH 4307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7309. Topology I.
A course in point-set topology emphasizing topological spaces, continuous functions, connectedness, compactness, countability, separability, metrizability, CWcomplexes, simplicial complexes, nerves, and dimension theory. Prerequisite: MATH 4330.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7313. Analysis II.
This course covers the theory of integration with special emphasis on Lebesgue integrals. Topics include: Lebesgue integral, Bounded Convergence theorem, differentiation and integration, absolute continuity, and Lp spaces. Prerequisite: Math 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7317. Algebra II.
A study of the important algebraic structures of rings and fields. Topics covered include rings, ideals, modules, polynomial rings, Euclidean algorithm, finite fields, and field extensions. Topics also include an introduction to Galois Theory with an emphasis on the geometric applications. Prerequisite: MATH 7307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7319. Topology II: Algebraic Topology.
This course covers the fundamental concepts and tools of algebraic topology. Topics include the fundamental group, covering spaces, homotopy type, the higher homotopy groups, singular homology theory, and the computation of homology groups via exact sequences and applications. Prerequisite: MATH 7307 and MATH 7309.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7321. Graph Theory.
Topics in this course include trees, connectivity of graphs, Eulerian graphs, Hamiltonian graphs, planar graphs, graph coloring, matchings, factorizations, digraphs, networks, and network flow problems. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7324. Curriculum Design & Analysis.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques that are related to curriculum design in Mathematics Education for grade levels P-16.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7325. Statistics 1.
A study of the mathematical and probabilistic underpinnings of the techniques used in statistical inference. Topics covered include sampling, sampling distributions, confidence intervals, and hypothesis testing with an emphasis on both simulations and derivations. Prerequisite: Math 2321 and Math 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7328. Instructional Techniques & Assessments.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques of instruction in Mathematics Education and the related assessment procedures for each for grade levels P-20.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7331. Combinatorics.
This course is a study of fundamental principles of combinatorics. Topics include: permutations and combinations, the Pigeonhole principle, the principle of inclusion-exclusion, binomial and multinomial theorems, special counting sequences, partitions, posets, extremal set theory, generating functions, recurrence relations, and the Polya theory of counting. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7335. Statistics II: Linear Modeling.
A study of the formulation and statistical methodologies for fitting linear models. Topics include the general linear hypothesis, least-squares estimation, Gauss-Markov theorem, assessment of model fit, effects of departures from assumptions, model design, and criteria for selection of optimal regression models. Prerequisite: MATH 3377 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7346. Quantitative Research Analysis in Mathematics Education.
This course surveys the various research techniques used in quantitative analysis for mathematics education and covers topics such as experimental design, statistical analysis, and use of appropriate design methodologies to achieve the strongest possible evidence to support or refute a knowledge claim. Prerequisite: MATH 7306 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7356A. Advanced Quantitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in quantitative research. Prerequisite: MATH 7346.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7356B. Advanced Qualitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in qualitative research. Prerequisite: ED 7352 or CI 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7356C. Action Research in Mathematics Education.
This course examines underlying theory and issues in action research model and the development of action research projects. Prerequisites: MATH 7346 or ED 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7361. Seminar in Advanced Mathematics.
Material in course will vary with the interest of students and faculty. A detailed study of subject matter may be chosen from advanced areas of analysis; algebra; topology and geometry; applied mathematics; and probability and statistics. This course is repeatable for credit when subject matter varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7366A. Teaching Post-Secondary Students (Developmental Math, Service Courses, and Majors).
This course examines how to develop and teach post-secondary students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisites: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366B. Teaching K-12 Students (Elementary, Middle School, and High School).
This course examines how to develop and teach K-12 students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366C. Teaching Teachers (In-Service; Pre-Service).
This course examines how to prepare teachers of mathematics. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366D. Teaching Specialized Content.
This course will be an in-depth study of a specialized content area in mathematics with an emphasis on teaching. The specific content area will vary by instructor. Examples include Euclidean Simplex Geometry and Discrete Probability Spaces with Implications for Public School Curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366E. Developmental Mathematics Curriculum.
This course surveys the research, development, and evaluation of the scope and sequence of developmental mathematics curriculum. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7366F. Research in Undergraduate Mathematics Education I.
Students will develop the requisite knowledge to become a good consumer of Research in Undergraduate Mathematics Education (RUME) research. The course will cover the theoretical underpinnings of current and historic RUME research. Students will develop the knowledge to understand relevant theoretical stances and the role they play in research. Prerequisite: Math 7306 or permission from the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7371A. Advanced Graph Theory.
Topics in this course include Turan's problems, Ramsey theory, random graph theory, extremal graph theory, algebraic graph theory, domination of graphs, distance problems, and applications. Prerequisite: MATH 7321.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371B. Advanced Combinatorics.
Topics in this course include Block designs, Latin squares, combinatorial optimization problems, coding theory, matroids, difference sets, and finite geometry. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371C. Combinatorial Number Theory.
A study of fundamental techniques in combinatorial number theory. Topics will include Waring's problem, additive number theory, and probabilistic methods in number theory. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371D. Discrete Optimization.
A study of some fundamental techniques in discrete optimization. Topics include discrete optimization, linear programming, integer programming, integer nonlinear programming, dynamic programming, location problem, scheduling problem, transportation problem, postman problem, traveling salesman problem, matroids, and NP-completeness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371E. Algorithms and Complexity.
A study of some fundamental concepts of computability and complexity. Topics include polynomially bounded problems, NP-complete problems, exponentially hard problems, undecidable problems, and reducibility. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371F. Probabilistic Methods in Discrete Mathematics.
A study of some fundamental probabilistic techniques used to solve problems in graph theory, combinatorics, combinatorial number theory, combinatorial geometry, and algorithm. Topics include linearity of expectation, alterations, second moment, local lemma, correlation inequalities, martingales, Poisson paradigm, and pseudo-randomness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371G. Applied Discrete Mathematics.
This course introduces fundamental concepts in logic, Boolean algebra, and binomial coefficients; and applications in different fields such as complexity of algorithms and network theory. Prerequisites: MATH 2472 and MATH 4307, all with a grade of “C” or better, or with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371H. Combinatorial Networks.
Combinatorial Networks is an area of study of certain types of networks using combinatorial methods extensively. This course introduces fundamental basics as well as the latest development in this area of research. Prerequisite: MATH 5307/7307 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375C. Time Series Analysis.
A study of the theory of time-dependent data. The analysis includes modeling, estimation, and testing; alternating between the time domain; using autoregressive and moving average models and the frequency domain; and using spectral analysis. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375D. Advanced linear Modeling.
The course provides an extension of regression methodology to more general settings where standard assumptions for ordinary least squares are violated. Topics include generalized least squares, robust regression, bootstrap, regression in the presence of autocorrelated errors, generalized linear models, and logistic and Poisson regression. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378A. Problem Solving, Reasoning, and Proof.
A study of the fundamental concepts of problem solving, logic, set theory, and mathematical proof and applications of these concepts in mathematics curriculum for grades P-20. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378B. Connecting and Communicating Math.
This course examines one of the basic principles involved in mathematics education: Connecting and Communicating Mathematics. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378C. Representing Fundamental Math Ideas (Function, Data Analysis, and Enumeration).
This course examines the basic principles involved in mathematics education. The process of representing fundamental mathematical ideas will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378D. Math Technologies.
This course examines the basic principles involved in mathematics education: Technology. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378E. Developmental Mathematics Perspectives.
This course examines developmental mathematics-specific strands including technological course support and placement tools/decisions. Issues related to the first mathematics core course required of undergraduates will aslo be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7378F. Research on Mathematical Problem Solving in Secondary Schools.
In this course a careful study is made of elementary techniques for problem solving in a variety of domains, including algebra, number theory, combinatorics, geometry, and logic puzzles. Students will learn these techniques by actually working on a collection of problems in each of these areas. Students will read and examine research about various aspects of problem solving and research in math education that includes both teacher training and student learning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7378G. Discourse Processes, Traditions, and Analysis in Mathematics Education.
Discourse and discourse analysis have been used to answer research questions across disciplines throughout the humanities and social sciences. This course will focus on theory and methods for the analysis of discourse in mathematical settings. We will learn how different approaches to discourse are used to understand mathematics learning. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7385. Independent Study in Mathematics.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of mathematics. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7386. Independent Study in Mathematics Education.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of Mathematics Education. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7389. Internship.
Students will work under the supervision of a faculty member to gain practical knowledge in Mathematics Education. Student experience can come from industry, government agencies, or other sources but must directly apply to furthering knowledge of mathematics education or its application.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7396. Mathematics Education Research Seminar.
Collaborative research projects with faculty through identifying an educational issue, reviewing literature, creating a research question, designing a methodology, analyzing data, drawing conclusions, implications, and creating a draft of a publishable paper. Prerequisite: MATH 7356, and ED 7352 or MATH 7346, all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7399A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7599A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7699A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7999A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Education (M.Ed.) Major in Mathematics

Program Overview

The M.Ed. in Mathematics prepares students with the mathematical knowledge and critical thinking abilities needed to pursue doctoral degrees or teaching careers at the collegiate or secondary level.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://

www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mathematics or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- effective spring 2020, GRE is not required

Effective Spring 2020, the following documents are required:

- resume/CV
- statement of purpose
- three letters of recommendation addressing the substance and quality of your preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
- minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Mathematics requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
MATH 5381	Foundations of Set Theory	3
MATH 5382	Foundation of Real Analysis	3
MATH 5384	Geometric Approach to Abstract Algebra	3
Electives		
Choose 18 hours of advisor-approved electives		18
Minor		
Choose a 9-hour advisor-approved minor		9
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Mathematics: MATH (p. 2597), MTE (p. 2600)

Courses Offered

Mathematics (MATH)

MATH 5111. Graduate Assistant Training.
This course is concerned with techniques used in the teaching of mathematics. This course is required as a condition of employment for graduate teaching and instructional assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5301. Partial Differential Equations.
Theory and application of partial differential equations; derivation of the differential equation; use of vector and Tensor methods; equations of the first order; wave equations; vibrations and normal functions; Fourier series and integral; Cauchy's methods, initial data; methods of Green; potentials; boundary problems; methods of Riemann-Volterra; characteristics. Prerequisites: MATH 3323 and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5303. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress. Cannot be used on a degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5304. Topics in Mathematics for the Secondary Teacher.
A study of the current trends and topics found in the secondary school mathematics curriculum with the goal of improving the mathematical background of the secondary teacher. Course content will be flexible and topics will be selected on the basis of student needs and interests. Cannot be used on degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5305. Advanced Course in Probability and Statistics.
Advanced topics in probability and statistics. May be repeated once with different emphasis for additional credit. Prerequisite: MATH 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5306. Ring Theory.
Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5307. Modern Algebra.
Topics in modern algebra. Material will be adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5311. Foundations of Differential Equations.
A critical study of the foundations of derivation equations, operator spaces, and such basic topics. Recent developments in this field will be investigated and independent investigation will be encouraged. Prerequisite: MATH 3373 with a grade of "C" or better, and either MATH 3380 or MATH 5382.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5312. Functions of a Complex Variable.
Modern developments in the field of a complex variable. Prerequisite: MATH 3373 with a grade of "C" or better; and MATH 3380 or MATH 5382; and MATH 4315 or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5313. Field Theory.
Topics in field theory, separable extensions, and Galois Theory. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5314. Number Theory.
Topics in algebra selected from quadratic forms, elementary number theory, algebraic or analytic number theory, with material adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5315. Mathematical Statistics.
This course discusses theoretical aspects of estimation theory and hypothesis testing procedures, with some of their important applications. The main topics include convergence of random variables, parameter estimation, properties of estimators, interval estimation, sufficiency and applications to the exponential family, hypothesis testing, decision theory, and Bayesian inference. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5317. Problems in Advanced Mathematics.
Open to graduate students on an individual basis by arrangement with the mathematics department. A considerable degree of mathematical maturity is required. May be repeated with different emphasis. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 5319. The Theory of Integration.
A course in the theory of integration with special emphasis on the Lebesgue integrals. A course in the theory of real variables, with a knowledge of point set theory, is desirable as a background for this course. A considerable amount of mathematical maturity is required. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5329. General Topology.
Point-set topology with an emphasis on general topological spaces; separation axioms, connectivity, the metrization theorem, and the C-W complexes. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5331. Metric Spaces.
Point-set topology with an emphasis on metric spaces and compactness but including a brief introduction to general topological spaces. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5336. Studies in Applied Mathematics.
Topics selected from optimization and control theory, numerical analysis, calculus of variations, boundary value problems, special functions, or tensor analysis. May be repeated with different emphasis for additional credit. Prerequisites: Six hours of advanced mathematics pertinent to topic and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5340. Scientific Computation.
This course will involve the analysis of algorithms from science and mathematics, and the implementation of these algorithms using a computer algebra system. Symbolic numerical and graphical techniques will be studied. Applications will be drawn from science, engineering, and mathematics. A knowledge of differential equations is expected. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MATH 5345. Regression Analysis.
This course introduces formulation and statistical methodologies for simple and multiple regression, assessment of model fit, model design, and criteria for selection of optimal regression models. Students will develop skills with the use of statistical packages and the writing of reports analyzing a variety of real-world data. Prerequisite: MATH 2472.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5350. Combinatorics.
This course, covers permutations, combinations, Stirling numbers, chromatic numbers, Ramsey numbers, generating functions, Polya theory, Latin squares and random block design. Prerequisite: MATH 3398 or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5355. Applied and Algorithmic Graph Theory.
This course is designed to emphasize the close tie between the theoretical and algorithmic aspects. The topics may include basic concepts such as connectivity, trees, planarity, coloring of graphs, matchings, and networks. It also covers many algorithms such as Max-flow Min-cut algorithm, maximum matching algorithm, and optimization algorithms for facility location problems in networks. Prerequisite: MATH 5388 or MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5358. Applied Discrete Mathematics.
Boolean algebra, counting techniques, discrete probability, graph theory, and related discrete mathematical structures that are commonly encountered in computer science. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5360. Mathematical Modeling.
This course introduces the process and techniques of mathematical modeling. It covers a variety of application areas from the natural sciences. Emphasis is placed on deterministic systems, stochastic models, and diffusion. Prerequisite: MATH 3373, MATH 3323, and MATH 5301, or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5373. Theory of Functions of Real Variables.
This course will discuss those topics that will enable the student to obtain a better grasp of the fundamental concepts of the calculus of real variables and the more recent developments of this analysis. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5374. Numerical Linear Algebra.
This course introduces tools that mathematical scientists use with vectors and matrices. Applications include least squares and eigenvalue problems, and systems of equations from applied mathematics. The stability of algorithms to perturbations are considered. Theory is balanced with numerically implementing algorithms, in particular for iterative methods for large, sparse systems. Prerequisite: MATH 3377 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5376A. Design and Analysis of Experiments.
This course introduces fundamental concepts in the design of experiments, justification of linear models, randomization and principles of blocking. It also discusses the construction and analysis of basic designs including fractional replication, composite designs, factorial designs, and incomplete block designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376B. Analysis of Variance.
This course introduces basic methods, one-way, two-way ANOVA procedures, and multifactor ANOVA designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376C. Survival Analysis.
This course introduces basic concepts and methods in the analysis of survival data. Topics include characteristics of survival data, basic functions, parametric models for survival time, maximum likelihood estimation of survival function, two-sample test techniques, regression analysis with parametric and semi-parametric models, and mathematical and graphical methods for model checking. Prerequisite: Math 5315; or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5376D. Statistical Applications in Genetics and Bioinformatics.
The statistical concepts and methods to be covered include important probability distributions, analysis of variance, regression analysis, hidden Markov model, and Markov Chain Monte Carlo methods. These methods will be used to address important and challenging questions arising in the analysis of large genetic and bioinformatic datasets. Prerequisite: Math4305 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5381. Foundations of Set Theory.
A formal study of the theory of sets, relations, functions, finite and infinite sets, set operations and other selected topics. This course will also train the student in the understanding of mathematical logic and the writing of proofs. Prerequisite:MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5382. Foundation of Real Analysis.
A course covering the foundations of mathematical analysis. Topics include: real numbers, sequences, series, and limits and continuity of functions. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5384. Geometric Approach to Abstract Algebra.
Definitions and elementary properties of groups, rings, integral domains, fields and vector spaces with great emphasis on the rings of integers, rational numbers, complex numbers, polynomials, and the interplay between algebra and geometry. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5386. Knots and Surfaces, An Introduction to Low-Dimensional Topology.
Knot polynomials and other knot invariants. The topological classification of surfaces and topological invariants of surfaces. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5388. Discrete Mathematics.
This course covers topics from: basic and advanced techniques of counting, recurrence relations, discrete probability and statistics, and applications of graph theory. Prerequisites: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5390. Statistics.
This course will cover not only some of the basic statistical ideas and techniques but also the mathematical and probabilistic underpinnings of these techniques with an emphasis on simulations and modeling. The planning, conducting, analysis, and reporting of experimental data will also be covered. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5392. Survey of Geometries.
A study of topics in geometry including geometrical transformations, the geometry fractals, projective geometry, Euclidean geometry, and non-Euclidean geometry. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5393. Numerical Optimization.
This course focuses on optimization methods for a broad range of applications, such as engineering and applied sciences. Subjects are the basic theory of optimization, numerical algorithms to locate points satisfying optimality conditions and to analyze the convergence properties. Prerequisites: MATH 2472 and MATH 3377 and MATH 3383, all with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5399A. Thesis.
This course represents a student’s initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Mathematics 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5399B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5599B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5999B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Mathematics for Teacher Education (MTE)

MTE 5301E. Visual Models for Middle School Mathematics.
This course uses visual models to motivate understanding of the fundamental concepts underlying middle school mathematics. Pedagogical techniques to engage middle school students will also be addressed including inquiry-based instructional methods utilizing these visual models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301F. Implementing New Mathematics Curriculum.
In this course we will investigate the keys to successfully implementing new curriculum. Two main aspects considered are: 1) the mathematical content knowledge required for a new curriculum and 2) how to build a community of practice which provides support during the implementation process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301G. Mathematics for Teaching.
A study of the current trends and topics found in the secondary school mathematics curriculum taught from an advance perspective. Course context will be flexible and topics will be selected on the basis of student needs and interests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5302A. Quantitative Reasoning.
This course covers current pedagogy, curriculum, and methods related specifically to the teaching of middle school mathematics. Some of the topics explored are curriculum theory, instructional theory, learning theory, problem solving, national and state standards and assessment, discovery learning, assessment methods, manipulative, and technology in the classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5311. Quantitative Reasoning.
This course will focus on numerical reasoning and problem solving with particular attention being placed on strategies for solving problems, methods for mental computation and computational estimation, and algorithmic processes being taught in a studentcentered atmosphere where teachers are free to take risks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5313. Geometry and Measurement.
This course will focus on using spatial reasoning to investigate the concepts of direction, orientation, shape and structure; using mathematical reasoning to develop and prove geometric relationships; using logical reasoning and proof in relation to the axiomatic structure of geometry; using measurement of geometry concepts to solve real-world problems. 5315 Algebraic Reasoning. (3-0) This course will focus on using algebraic reasoning to.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5315. Algebraic Reasoning.
This course will focus on using algebraic reasoning to investigate patterns, make generalizations, formulate mathematical models, and make predications; using properties, graphs, and applications of relations and function to analyze, model and solve problems; and making connections among geometric, graphic, numeric and symbolic representation of functions and relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5317. Math Modeling.
This course will focus on modeling problems, applying appropriate mathematical analysis and drawing conclusions from the analysis; solving problems recursively, using linear and non-linear functions and using geometry and discrete mathematics to solve problems in Science, Music, and Art. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5319. Concepts of Calculus.
A first course in differential and integral calculus. The student will explore the slope of secant lines, average velocity, limit, instantaneous velocity, derivative, slope of a curve at a point, area under a graph, integrals, fundamental theorem of calculus, and applications. Prerequisite: MTE 5317 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5321. Probability and Statistics.
This course will deal with using graphical and numerical techniques to explore date, characterize patterns, and describe departures from patterns; designing experiments to solve problems; understanding the theory of probability and its relationship to sampling and statistical inference and its use in making and evaluating predication. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5323. Logic and Foundations of Mathematics.
This course will consist of an introduction to fundamental mathematical structures and techniques of proof. Topics will include: logic, set theory, number theory, relations, and functions. Emphasis will be placed on communication about mathematics and construction of well-reasoned explanations. Prerequisite: MTE 5313 and MTE 5319 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Education (M.Ed.) Major in Middle School Mathematics Teaching

The focal point of this degree program is to improve mathematics education in the critical 4th - 8th grade levels by providing teachers with peer support and a clear understanding of instructional practices.

This program discontinued admissions for the Fall 2017 term and beyond.

Degree Requirements

The Master of Education (M.Ed.) degree with a major in Middle School Mathematics requires 36 semester credit hours.

Course Requirements

Code	Title	Hours
Required Courses		
MATH 5303	History of Mathematics	3
MTE 5311	Quantitative Reasoning	3
MTE 5313	Geometry and Measurement	3

MTE 5315	Algebraic Reasoning	3
MTE 5317	Math Modeling	3
MTE 5319	Concepts of Calculus	3
MTE 5321	Probability and Statistics	3
MTE 5323	Logic and Foundations of Mathematics	3
Composite Minor		
CI 5306	Evaluative Techniques for the Classroom Teacher	3
CI 5314	Human Growth and Development II	3
CI 5333	The Secondary Curriculum	3
CI 5370	Classroom Management, Discipline, and Legal Issues	3
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Mathematics: MATH (p. 2602), MTE (p. 2605)

Courses Offered

Mathematics (MATH)

MATH 5111. Graduate Assistant Training.
This course is concerned with techniques used in the teaching of mathematics. This course is required as a condition of employment for graduate teaching and instructional assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5301. Partial Differential Equations.
Theory and application of partial differential equations; derivation of the differential equation; use of vector and Tensor methods; equations of the first order; wave equations; vibrations and normal functions; Fourier series and integral; Cauchy's methods, initial data; methods of Green; potentials; boundary problems; methods of Riemann-Volterra; characteristics. Prerequisites: MATH 3323 and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5303. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress. Cannot be used on a degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5304. Topics in Mathematics for the Secondary Teacher.
A study of the current trends and topics found in the secondary school mathematics curriculum with the goal of improving the mathematical background of the secondary teacher. Course content will be flexible and topics will be selected on the basis of student needs and interests. Cannot be used on degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5305. Advanced Course in Probability and Statistics.
Advanced topics in probability and statistics. May be repeated once with different emphasis for additional credit. Prerequisite: MATH 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5306. Ring Theory.
Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5307. Modern Algebra.
Topics in modern algebra. Material will be adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5311. Foundations of Differential Equations.
A critical study of the foundations of derivation equations, operator spaces, and such basic topics. Recent developments in this field will be investigated and independent investigation will be encouraged. Prerequisite: MATH 3373 with a grade of "C" or better, and either MATH 3380 or MATH 5382.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5312. Functions of a Complex Variable.
Modern developments in the field of a complex variable. Prerequisite: MATH 3373 with a grade of "C" or better; and MATH 3380 or MATH 5382; and MATH 4315 or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5313. Field Theory.
Topics in field theory, separable extensions, and Galois Theory. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5314. Number Theory.
Topics in algebra selected from quadratic forms, elementary number theory, algebraic or analytic number theory, with material adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5315. Mathematical Statistics.
This course discusses theoretical aspects of estimation theory and hypothesis testing procedures, with some of their important applications. The main topics include convergence of random variables, parameter estimation, properties of estimators, interval estimation, sufficiency and applications to the exponential family, hypothesis testing, decision theory, and Bayesian inference. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5317. Problems in Advanced Mathematics.
Open to graduate students on an individual basis by arrangement with the mathematics department. A considerable degree of mathematical maturity is required. May be repeated with different emphasis. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 5319. The Theory of Integration.
A course in the theory of integration with special emphasis on the Lebesgue integrals. A course in the theory of real variables, with a knowledge of point set theory, is desirable as a background for this course. A considerable amount of mathematical maturity is required. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5329. General Topology.
Point-set topology with an emphasis on general topological spaces; separation axioms, connectivity, the metrization theorem, and the C-W complexes. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5331. Metric Spaces.
Point-set topology with an emphasis on metric spaces and compactness but including a brief introduction to general topological spaces. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5336. Studies in Applied Mathematics.
Topics selected from optimization and control theory, numerical analysis, calculus of variations, boundary value problems, special functions, or tensor analysis. May be repeated with different emphasis for additional credit. Prerequisites: Six hours of advanced mathematics pertinent to topic and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5340. Scientific Computation.
This course will involve the analysis of algorithms from science and mathematics, and the implementation of these algorithms using a computer algebra system. Symbolic numerical and graphical techniques will be studied. Applications will be drawn from science, engineering, and mathematics. A knowledge of differential equations is expected. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MATH 5345. Regression Analysis.
This course introduces formulation and statistical methodologies for simple and multiple regression, assessment of model fit, model design, and criteria for selection of optimal regression models. Students will develop skills with the use of statistical packages and the writing of reports analyzing a variety of real-world data. Prerequisite: MATH 2472.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5350. Combinatorics.
This course, covers permutations, combinations, Stirling numbers, chromatic numbers, Ramsey numbers, generating functions, Polya theory, Latin squares and random block design. Prerequisite: MATH 3398 or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5355. Applied and Algorithmic Graph Theory.
This course is designed to emphasize the close tie between the theoretical and algorithmic aspects. The topics may include basic concepts such as connectivity, trees, planarity, coloring of graphs, matchings, and networks. It also covers many algorithms such as Max-flow Min-cut algorithm, maximum matching algorithm, and optimization algorithms for facility location problems in networks. Prerequisite: MATH 5388 or MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5358. Applied Discrete Mathematics.
Boolean algebra, counting techniques, discrete probability, graph theory, and related discrete mathematical structures that are commonly encountered in computer science. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5360. Mathematical Modeling.
This course introduces the process and techniques of mathematical modeling. It covers a variety of application areas from the natural sciences. Emphasis is placed on deterministic systems, stochastic models, and diffusion. Prerequisite: MATH 3373, MATH 3323, and MATH 5301, or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5373. Theory of Functions of Real Variables.
This course will discuss those topics that will enable the student to obtain a better grasp of the fundamental concepts of the calculus of real variables and the more recent developments of this analysis. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5374. Numerical Linear Algebra.
This course introduces tools that mathematical scientists use with vectors and matrices. Applications include least squares and eigenvalue problems, and systems of equations from applied mathematics. The stability of algorithms to perturbations are considered. Theory is balanced with numerically implementing algorithms, in particular for iterative methods for large, sparse systems. Prerequisite: MATH 3377 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5376A. Design and Analysis of Experiments.
This course introduces fundamental concepts in the design of experiments, justification of linear models, randomization and principles of blocking. It also discusses the construction and analysis of basic designs including fractional replication, composite designs, factorial designs, and incomplete block designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376B. Analysis of Variance.
This course introduces basic methods, one-way, two-way ANOVA procedures, and multifactor ANOVA designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376C. Survival Analysis.
This course introduces basic concepts and methods in the analysis of survival data. Topics include characteristics of survival data, basic functions, parametric models for survival time, maximum likelihood estimation of survival function, two-sample test techniques, regression analysis with parametric and semi-parametric models, and mathematical and graphical methods for model checking. Prerequisite: Math 5315; or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5376D. Statistical Applications in Genetics and Bioinformatics.
The statistical concepts and methods to be covered include important probability distributions, analysis of variance, regression analysis, hidden Markov model, and Markov Chain Monte Carlo methods. These methods will be used to address important and challenging questions arising in the analysis of large genetic and bioinformatic datasets. Prerequisite: Math4305 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5381. Foundations of Set Theory.
A formal study of the theory of sets, relations, functions, finite and infinite sets, set operations and other selected topics. This course will also train the student in the understanding of mathematical logic and the writing of proofs. Prerequisite:MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5382. Foundation of Real Analysis.
A course covering the foundations of mathematical analysis. Topics include: real numbers, sequences, series, and limits and continuity of functions. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5384. Geometric Approach to Abstract Algebra.
Definitions and elementary properties of groups, rings, integral domains, fields and vector spaces with great emphasis on the rings of integers, rational numbers, complex numbers, polynomials, and the interplay between algebra and geometry. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5386. Knots and Surfaces, An Introduction to Low-Dimensional Topology.
Knot polynomials and other knot invariants. The topological classification of surfaces and topological invariants of surfaces. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5388. Discrete Mathematics.
This course covers topics from: basic and advanced techniques of counting, recurrence relations, discrete probability and statistics, and applications of graph theory. Prerequisites: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5390. Statistics.
This course will cover not only some of the basic statistical ideas and techniques but also the mathematical and probabilistic underpinnings of these techniques with an emphasis on simulations and modeling. The planning, conducting, analysis, and reporting of experimental data will also be covered. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5392. Survey of Geometries.
A study of topics in geometry including geometrical transformations, the geometry fractals, projective geometry, Euclidean geometry, and non-Euclidean geometry. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5393. Numerical Optimization.
This course focuses on optimization methods for a broad range of applications, such as engineering and applied sciences. Subjects are the basic theory of optimization, numerical algorithms to locate points satisfying optimality conditions and to analyze the convergence properties. Prerequisites: MATH 2472 and MATH 3377 and MATH 3383, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Mathematics 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Mathematics for Teacher Education (MTE)

MTE 5301E. Visual Models for Middle School Mathematics.
This course uses visual models to motivate understanding of the fundamental concepts underlying middle school mathematics. Pedagogical techniques to engage middle school students will also be addressed including inquiry-based instructional methods utilizing these visual models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301F. Implementing New Mathematics Curriculum.
In this course we will investigate the keys to successfully implementing new curriculum. Two main aspects considered are: 1) the mathematical content knowledge required for a new curriculum and 2) how to build a community of practice which provides support during the implementation process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301G. Mathematics for Teaching.
A study of the current trends and topics found in the secondary school mathematics curriculum taught from an advance perspective. Course context will be flexible and topics will be selected on the basis of student needs and interests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5302A. Quantitative Reasoning.
This course covers current pedagogy, curriculum, and methods related specifically to the teaching of middle school mathematics. Some of the topics explored are curriculum theory, instructional theory, learning theory, problem solving, national and state standards and assessment, discovery learning, assessment methods, manipulative, and technology in the classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5311. Quantitative Reasoning.
This course will focus on numerical reasoning and problem solving with particular attention being placed on strategies for solving problems, methods for mental computation and computational estimation, and algorithmic processes being taught in a studentcentered atmosphere where teachers are free to take risks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5313. Geometry and Measurement.
This course will focus on using spatial reasoning to investigate the concepts of direction, orientation, shape and structure; using mathematical reasoning to develop and prove geometric relationships; using logical reasoning and proof in relation to the axiomatic structure of geometry; using measurement of geometry concepts to solve real-world problems. 5315 Algebraic Reasoning. (3-0) This course will focus on using algebraic reasoning to.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5315. Algebraic Reasoning.
This course will focus on using algebraic reasoning to investigate patterns, make generalizations, formulate mathematical models, and make predications; using properties, graphs, and applications of relations and function to analyze, model and solve problems; and making connections among geometric, graphic, numeric and symbolic representation of functions and relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5317. Math Modeling.
This course will focus on modeling problems, applying appropriate mathematical analysis and drawing conclusions from the analysis; solving problems recursively, using linear and non-linear functions and using geometry and discrete mathematics to solve problems in Science, Music, and Art. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5319. Concepts of Calculus.
A first course in differential and integral calculus. The student will explore the slope of secant lines, average velocity, limit, instantaneous velocity, derivative, slope of a curve at a point, area under a graph, integrals, fundamental theorem of calculus, and applications. Prerequisite: MTE 5317 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5321. Probability and Statistics.
This course will deal with using graphical and numerical techniques to explore date, characterize patterns, and describe departures from patterns; designing experiments to solve problems; understanding the theory of probability and its relationship to sampling and statistical inference and its use in making and evaluating predication. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5323. Logic and Foundations of Mathematics.
This course will consist of an introduction to fundamental mathematical structures and techniques of proof. Topics will include: logic, set theory, number theory, relations, and functions. Emphasis will be placed on communication about mathematics and construction of well-reasoned explanations. Prerequisite: MTE 5313 and MTE 5319 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Mathematics (Applied Mathematics Concentration Non-thesis Option)

Program Overview

Texas State offers opportunities to work with outstanding faculty in a collegial atmosphere where mathematicians and mathematics educators collaborate closely. The multi-faceted program offers a strong foundation and research opportunities in mathematics, applied math, and mathematics education, preparing students for further graduate study, teaching, or industry positions. The M.S. in mathematics prepares students with the applied mathematical knowledge and critical thinking abilities needed to pursue doctoral degrees, teaching careers or leadership positions in industry.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mathematics or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- effective spring 2020, GRE not required
- resume/CV
- statement of purpose
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Mathematics concentration in applied mathematics requires 36 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
MATH 5301	Partial Differential Equations	3
MATH 5312	Functions of a Complex Variable	3
MATH 5319	The Theory of Integration	3
MATH 5340	Scientific Computation	3
MATH 5360	Mathematical Modeling	3
MATH 5373	Theory of Functions of Real Variables	3
MATH 5374	Numerical Linear Algebra	3
MATH 5393	Numerical Optimization	3
Electives		
Choose 12 hours from the following:		12
MATH 5305	Advanced Course in Probability and Statistics	
MATH 5306	Ring Theory	

MATH 5307	Modern Algebra
MATH 5311	Foundations of Differential Equations
MATH 5313	Field Theory
MATH 5314	Number Theory
MATH 5329	General Topology
MATH 5331	Metric Spaces
MATH 5336	Studies in Applied Mathematics
MATH 5345	Regression Analysis
MATH 5350	Combinatorics
MATH 5355	Applied and Algorithmic Graph Theory
MATH 5358	Applied Discrete Mathematics
MATH 5376A or MATH 5376B	Design and Analysis of Experiments Analysis of Variance
MATH 5376C	Survival Analysis
MATH 5376D	Statistical Applications in Genetics and Bioinformatics
MATH 5382	Foundation of Real Analysis
MATH 5390	Statistics
Total Hours	36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Mathematics: MATH (p. 2607), MTE (p. 2610)

Courses Offered

Mathematics (MATH)

MATH 5111. Graduate Assistant Training.
This course is concerned with techniques used in the teaching of mathematics. This course is required as a condition of employment for graduate teaching and instructional assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5301. Partial Differential Equations.
Theory and application of partial differential equations; derivation of the differential equation; use of vector and Tensor methods; equations of the first order; wave equations; vibrations and normal functions; Fourier series and integral; Cauchy's methods, initial data; methods of Green; potentials; boundary problems; methods of Riemann-Volterra; characteristics. Prerequisites: MATH 3323 and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5303. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress. Cannot be used on a degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5304. Topics in Mathematics for the Secondary Teacher.
A study of the current trends and topics found in the secondary school mathematics curriculum with the goal of improving the mathematical background of the secondary teacher. Course content will be flexible and topics will be selected on the basis of student needs and interests. Cannot be used on degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5305. Advanced Course in Probability and Statistics.
Advanced topics in probability and statistics. May be repeated once with different emphasis for additional credit. Prerequisite: MATH 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5306. Ring Theory.
Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5307. Modern Algebra.
Topics in modern algebra. Material will be adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5311. Foundations of Differential Equations.
A critical study of the foundations of derivation equations, operator spaces, and such basic topics. Recent developments in this field will be investigated and independent investigation will be encouraged. Prerequisite: MATH 3373 with a grade of "C" or better, and either MATH 3380 or MATH 5382.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5312. Functions of a Complex Variable.
Modern developments in the field of a complex variable. Prerequisite: MATH 3373 with a grade of "C" or better; and MATH 3380 or MATH 5382; and MATH 4315 or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5313. Field Theory.
Topics in field theory, separable extensions, and Galois Theory. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5314. Number Theory.
Topics in algebra selected from quadratic forms, elementary number theory, algebraic or analytic number theory, with material adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
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Grade Mode: Standard Letter

MATH 5315. Mathematical Statistics.
This course discusses theoretical aspects of estimation theory and hypothesis testing procedures, with some of their important applications. The main topics include convergence of random variables, parameter estimation, properties of estimators, interval estimation, sufficiency and applications to the exponential family, hypothesis testing, decision theory, and Bayesian inference. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5317. Problems in Advanced Mathematics.
Open to graduate students on an individual basis by arrangement with the mathematics department. A considerable degree of mathematical maturity is required. May be repeated with different emphasis. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 5319. The Theory of Integration.
A course in the theory of integration with special emphasis on the Lebesgue integrals. A course in the theory of real variables, with a knowledge of point set theory, is desirable as a background for this course. A considerable amount of mathematical maturity is required. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5329. General Topology.
Point-set topology with an emphasis on general topological spaces; separation axioms, connectivity, the metrization theorem, and the C-W complexes. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5331. Metric Spaces.
Point-set topology with an emphasis on metric spaces and compactness but including a brief introduction to general topological spaces. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5336. Studies in Applied Mathematics.
Topics selected from optimization and control theory, numerical analysis, calculus of variations, boundary value problems, special functions, or tensor analysis. May be repeated with different emphasis for additional credit. Prerequisites: Six hours of advanced mathematics pertinent to topic and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5340. Scientific Computation.
This course will involve the analysis of algorithms from science and mathematics, and the implementation of these algorithms using a computer algebra system. Symbolic numerical and graphical techniques will be studied. Applications will be drawn from science, engineering, and mathematics. A knowledge of differential equations is expected. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MATH 5345. Regression Analysis.
This course introduces formulation and statistical methodologies for simple and multiple regression, assessment of model fit, model design, and criteria for selection of optimal regression models. Students will develop skills with the use of statistical packages and the writing of reports analyzing a variety of real-world data. Prerequisite: MATH 2472.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5350. Combinatorics.
This course, covers permutations, combinations, Stirling numbers, chromatic numbers, Ramsey numbers, generating functions, Polya theory, Latin squares and random block design. Prerequisite: MATH 3398 or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5355. Applied and Algorithmic Graph Theory.
This course is designed to emphasize the close tie between the theoretical and algorithmic aspects. The topics may include basic concepts such as connectivity, trees, planarity, coloring of graphs, matchings, and networks. It also covers many algorithms such as Max-flow Min-cut algorithm, maximum matching algorithm, and optimization algorithms for facility location problems in networks. Prerequisite: MATH 5388 or MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5358. Applied Discrete Mathematics.
Boolean algebra, counting techniques, discrete probability, graph theory, and related discrete mathematical structures that are commonly encountered in computer science. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5360. Mathematical Modeling.
This course introduces the process and techniques of mathematical modeling. It covers a variety of application areas from the natural sciences. Emphasis is placed on deterministic systems, stochastic models, and diffusion. Prerequisite: MATH 3373, MATH 3323, and MATH 5301, or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5373. Theory of Functions of Real Variables.
This course will discuss those topics that will enable the student to obtain a better grasp of the fundamental concepts of the calculus of real variables and the more recent developments of this analysis. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5374. Numerical Linear Algebra.
This course introduces tools that mathematical scientists use with vectors and matrices. Applications include least squares and eigenvalue problems, and systems of equations from applied mathematics. The stability of algorithms to perturbations are considered. Theory is balanced with numerically implementing algorithms, in particular for iterative methods for large, sparse systems. Prerequisite: MATH 3377 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5376A. Design and Analysis of Experiments.
This course introduces fundamental concepts in the design of experiments, justification of linear models, randomization and principles of blocking. It also discusses the construction and analysis of basic designs including fractional replication, composite designs, factorial designs, and incomplete block designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376B. Analysis of Variance.
This course introduces basic methods, one-way, two-way ANOVA procedures, and multifactor ANOVA designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376C. Survival Analysis.
This course introduces basic concepts and methods in the analysis of survival data. Topics include characteristics of survival data, basic functions, parametric models for survival time, maximum likelihood estimation of survival function, two-sample test techniques, regression analysis with parametric and semi-parametric models, and mathematical and graphical methods for model checking. Prerequisite: Math 5315; or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5376D. Statistical Applications in Genetics and Bioinformatics.
The statistical concepts and methods to be covered include important probability distributions, analysis of variance, regression analysis, hidden Markov model, and Markov Chain Monte Carlo methods. These methods will be used to address important and challenging questions arising in the analysis of large genetic and bioinformatic datasets. Prerequisite: Math4305 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5381. Foundations of Set Theory.
A formal study of the theory of sets, relations, functions, finite and infinite sets, set operations and other selected topics. This course will also train the student in the understanding of mathematical logic and the writing of proofs. Prerequisite:MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5382. Foundation of Real Analysis.
A course covering the foundations of mathematical analysis. Topics include: real numbers, sequences, series, and limits and continuity of functions. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5384. Geometric Approach to Abstract Algebra.
Definitions and elementary properties of groups, rings, integral domains, fields and vector spaces with great emphasis on the rings of integers, rational numbers, complex numbers, polynomials, and the interplay between algebra and geometry. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5386. Knots and Surfaces, An Introduction to Low-Dimensional Topology.
Knot polynomials and other knot invariants. The topological classification of surfaces and topological invariants of surfaces. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5388. Discrete Mathematics.
This course covers topics from: basic and advanced techniques of counting, recurrence relations, discrete probability and statistics, and applications of graph theory. Prerequisites: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5390. Statistics.
This course will cover not only some of the basic statistical ideas and techniques but also the mathematical and probabilistic underpinnings of these techniques with an emphasis on simulations and modeling. The planning, conducting, analysis, and reporting of experimental data will also be covered. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5392. Survey of Geometries.
A study of topics in geometry including geometrical transformations, the geometry fractals, projective geometry, Euclidean geometry, and non-Euclidean geometry. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5393. Numerical Optimization.
This course focuses on optimization methods for a broad range of applications, such as engineering and applied sciences. Subjects are the basic theory of optimization, numerical algorithms to locate points satisfying optimality conditions and to analyze the convergence properties. Prerequisites: MATH 2472 and MATH 3377 and MATH 3383, all with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5399A. Thesis.
This course represents a student’s initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Mathematics 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5399B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5599B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5999B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Mathematics for Teacher Education (MTE)

MTE 5301E. Visual Models for Middle School Mathematics.
This course uses visual models to motivate understanding of the fundamental concepts underlying middle school mathematics. Pedagogical techniques to engage middle school students will also be addressed including inquiry-based instructional methods utilizing these visual models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301F. Implementing New Mathematics Curriculum.
In this course we will investigate the keys to successfully implementing new curriculum. Two main aspects considered are: 1) the mathematical content knowledge required for a new curriculum and 2) how to build a community of practice which provides support during the implementation process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301G. Mathematics for Teaching.
A study of the current trends and topics found in the secondary school mathematics curriculum taught from an advance perspective. Course context will be flexible and topics will be selected on the basis of student needs and interests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5302A. Quantitative Reasoning.
This course covers current pedagogy, curriculum, and methods related specifically to the teaching of middle school mathematics. Some of the topics explored are curriculum theory, instructional theory, learning theory, problem solving, national and state standards and assessment, discovery learning, assessment methods, manipulative, and technology in the classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5311. Quantitative Reasoning.
This course will focus on numerical reasoning and problem solving with particular attention being placed on strategies for solving problems, methods for mental computation and computational estimation, and algorithmic processes being taught in a studentcentered atmosphere where teachers are free to take risks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5313. Geometry and Measurement.
This course will focus on using spatial reasoning to investigate the concepts of direction, orientation, shape and structure; using mathematical reasoning to develop and prove geometric relationships; using logical reasoning and proof in relation to the axiomatic structure of geometry; using measurement of geometry concepts to solve real-world problems. 5315 Algebraic Reasoning. (3-0) This course will focus on using algebraic reasoning to.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5315. Algebraic Reasoning.
This course will focus on using algebraic reasoning to investigate patterns, make generalizations, formulate mathematical models, and make predications; using properties, graphs, and applications of relations and function to analyze, model and solve problems; and making connections among geometric, graphic, numeric and symbolic representation of functions and relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5317. Math Modeling.
This course will focus on modeling problems, applying appropriate mathematical analysis and drawing conclusions from the analysis; solving problems recursively, using linear and non-linear functions and using geometry and discrete mathematics to solve problems in Science, Music, and Art. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5319. Concepts of Calculus.
A first course in differential and integral calculus. The student will explore the slope of secant lines, average velocity, limit, instantaneous velocity, derivative, slope of a curve at a point, area under a graph, integrals, fundamental theorem of calculus, and applications. Prerequisite: MTE 5317 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5321. Probability and Statistics.
This course will deal with using graphical and numerical techniques to explore date, characterize patterns, and describe departures from patterns; designing experiments to solve problems; understanding the theory of probability and its relationship to sampling and statistical inference and its use in making and evaluating predication. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5323. Logic and Foundations of Mathematics.
This course will consist of an introduction to fundamental mathematical structures and techniques of proof. Topics will include: logic, set theory, number theory, relations, and functions. Emphasis will be placed on communication about mathematics and construction of well-reasoned explanations. Prerequisite: MTE 5313 and MTE 5319 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Mathematics (Applied Mathematics Concentration Thesis Option)

Program Overview

Texas State offers opportunities to work with outstanding faculty in a collegial atmosphere where mathematicians and mathematics educators collaborate closely. The multi-faceted program offers a strong foundation and research opportunities in mathematics, applied math, and mathematics education, preparing students for further graduate study, teaching, or industry positions. The M.S. in mathematics prepares students with the applied mathematical knowledge and critical thinking abilities needed to pursue doctoral degrees, teaching careers or leadership positions in industry.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mathematics or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- effective spring 2020, GRE not required
- resume/CV
- statement of purpose
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Mathematics concentration in applied mathematics requires 30 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
MATH 5301	Partial Differential Equations	3
MATH 5312	Functions of a Complex Variable	3
MATH 5319	The Theory of Integration	3
MATH 5340	Scientific Computation	3
MATH 5360	Mathematical Modeling	3
MATH 5373	Theory of Functions of Real Variables	3
MATH 5374	Numerical Linear Algebra	3
MATH 5393	Numerical Optimization	3
Thesis		
MATH 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
MATH 5199B	Thesis	
MATH 5299B	Thesis	
MATH 5399B	Thesis	
MATH 5599B	Thesis	
MATH 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Mathematics: MATH (p. 2613), MTE (p. 2616)

Courses Offered

Mathematics (MATH)

MATH 5111. Graduate Assistant Training.
This course is concerned with techniques used in the teaching of mathematics. This course is required as a condition of employment for graduate teaching and instructional assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5301. Partial Differential Equations.
Theory and application of partial differential equations; derivation of the differential equation; use of vector and Tensor methods; equations of the first order; wave equations; vibrations and normal functions; Fourier series and integral; Cauchy's methods, initial data; methods of Green; potentials; boundary problems; methods of Riemann-Volterra; characteristics. Prerequisites: MATH 3323 and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5303. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress. Cannot be used on a degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5304. Topics in Mathematics for the Secondary Teacher.
A study of the current trends and topics found in the secondary school mathematics curriculum with the goal of improving the mathematical background of the secondary teacher. Course content will be flexible and topics will be selected on the basis of student needs and interests. Cannot be used on degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5305. Advanced Course in Probability and Statistics.
Advanced topics in probability and statistics. May be repeated once with different emphasis for additional credit. Prerequisite: MATH 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5306. Ring Theory.
Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5307. Modern Algebra.
Topics in modern algebra. Material will be adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5311. Foundations of Differential Equations.
A critical study of the foundations of derivation equations, operator spaces, and such basic topics. Recent developments in this field will be investigated and independent investigation will be encouraged. Prerequisite: MATH 3373 with a grade of "C" or better, and either MATH 3380 or MATH 5382.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5312. Functions of a Complex Variable.
Modern developments in the field of a complex variable. Prerequisite: MATH 3373 with a grade of "C" or better; and MATH 3380 or MATH 5382; and MATH 4315 or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5313. Field Theory.
Topics in field theory, separable extensions, and Galois Theory. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5314. Number Theory.
Topics in algebra selected from quadratic forms, elementary number theory, algebraic or analytic number theory, with material adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5315. Mathematical Statistics.
This course discusses theoretical aspects of estimation theory and hypothesis testing procedures, with some of their important applications. The main topics include convergence of random variables, parameter estimation, properties of estimators, interval estimation, sufficiency and applications to the exponential family, hypothesis testing, decision theory, and Bayesian inference. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5317. Problems in Advanced Mathematics.
Open to graduate students on an individual basis by arrangement with the mathematics department. A considerable degree of mathematical maturity is required. May be repeated with different emphasis. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 5319. The Theory of Integration.
A course in the theory of integration with special emphasis on the Lebesgue integrals. A course in the theory of real variables, with a knowledge of point set theory, is desirable as a background for this course. A considerable amount of mathematical maturity is required. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5329. General Topology.
Point-set topology with an emphasis on general topological spaces; separation axioms, connectivity, the metrization theorem, and the C-W complexes. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5331. Metric Spaces.
Point-set topology with an emphasis on metric spaces and compactness but including a brief introduction to general topological spaces. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5336. Studies in Applied Mathematics.
Topics selected from optimization and control theory, numerical analysis, calculus of variations, boundary value problems, special functions, or tensor analysis. May be repeated with different emphasis for additional credit. Prerequisites: Six hours of advanced mathematics pertinent to topic and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5340. Scientific Computation.
This course will involve the analysis of algorithms from science and mathematics, and the implementation of these algorithms using a computer algebra system. Symbolic numerical and graphical techniques will be studied. Applications will be drawn from science, engineering, and mathematics. A knowledge of differential equations is expected. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MATH 5345. Regression Analysis.
This course introduces formulation and statistical methodologies for simple and multiple regression, assessment of model fit, model design, and criteria for selection of optimal regression models. Students will develop skills with the use of statistical packages and the writing of reports analyzing a variety of real-world data. Prerequisite: MATH 2472.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5350. Combinatorics.
This course, covers permutations, combinations, Stirling numbers, chromatic numbers, Ramsey numbers, generating functions, Polya theory, Latin squares and random block design. Prerequisite: MATH 3398 or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5355. Applied and Algorithmic Graph Theory.
This course is designed to emphasize the close tie between the theoretical and algorithmic aspects. The topics may include basic concepts such as connectivity, trees, planarity, coloring of graphs, matchings, and networks. It also covers many algorithms such as Max-flow Min-cut algorithm, maximum matching algorithm, and optimization algorithms for facility location problems in networks. Prerequisite: MATH 5388 or MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5358. Applied Discrete Mathematics.
Boolean algebra, counting techniques, discrete probability, graph theory, and related discrete mathematical structures that are commonly encountered in computer science. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5360. Mathematical Modeling.
This course introduces the process and techniques of mathematical modeling. It covers a variety of application areas from the natural sciences. Emphasis is placed on deterministic systems, stochastic models, and diffusion. Prerequisite: MATH 3373, MATH 3323, and MATH 5301, or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5373. Theory of Functions of Real Variables.
This course will discuss those topics that will enable the student to obtain a better grasp of the fundamental concepts of the calculus of real variables and the more recent developments of this analysis. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5374. Numerical Linear Algebra.
This course introduces tools that mathematical scientists use with vectors and matrices. Applications include least squares and eigenvalue problems, and systems of equations from applied mathematics. The stability of algorithms to perturbations are considered. Theory is balanced with numerically implementing algorithms, in particular for iterative methods for large, sparse systems. Prerequisite: MATH 3377 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5376A. Design and Analysis of Experiments.
This course introduces fundamental concepts in the design of experiments, justification of linear models, randomization and principles of blocking. It also discusses the construction and analysis of basic designs including fractional replication, composite designs, factorial designs, and incomplete block designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376B. Analysis of Variance.
This course introduces basic methods, one-way, two-way ANOVA procedures, and multifactor ANOVA designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376C. Survival Analysis.
This course introduces basic concepts and methods in the analysis of survival data. Topics include characteristics of survival data, basic functions, parametric models for survival time, maximum likelihood estimation of survival function, two-sample test techniques, regression analysis with parametric and semi-parametric models, and mathematical and graphical methods for model checking. Prerequisite: Math 5315; or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5376D. Statistical Applications in Genetics and Bioinformatics.
The statistical concepts and methods to be covered include important probability distributions, analysis of variance, regression analysis, hidden Markov model, and Markov Chain Monte Carlo methods. These methods will be used to address important and challenging questions arising in the analysis of large genetic and bioinformatic datasets. Prerequisite: Math4305 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5381. Foundations of Set Theory.
A formal study of the theory of sets, relations, functions, finite and infinite sets, set operations and other selected topics. This course will also train the student in the understanding of mathematical logic and the writing of proofs. Prerequisite:MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5382. Foundation of Real Analysis.
A course covering the foundations of mathematical analysis. Topics include: real numbers, sequences, series, and limits and continuity of functions. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5384. Geometric Approach to Abstract Algebra.
Definitions and elementary properties of groups, rings, integral domains, fields and vector spaces with great emphasis on the rings of integers, rational numbers, complex numbers, polynomials, and the interplay between algebra and geometry. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5386. Knots and Surfaces, An Introduction to Low-Dimensional Topology.
Knot polynomials and other knot invariants. The topological classification of surfaces and topological invariants of surfaces. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5388. Discrete Mathematics.
This course covers topics from: basic and advanced techniques of counting, recurrence relations, discrete probability and statistics, and applications of graph theory. Prerequisites: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5390. Statistics.
This course will cover not only some of the basic statistical ideas and techniques but also the mathematical and probabilistic underpinnings of these techniques with an emphasis on simulations and modeling. The planning, conducting, analysis, and reporting of experimental data will also be covered. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5392. Survey of Geometries.
A study of topics in geometry including geometrical transformations, the geometry fractals, projective geometry, Euclidean geometry, and non-Euclidean geometry. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5393. Numerical Optimization.
This course focuses on optimization methods for a broad range of applications, such as engineering and applied sciences. Subjects are the basic theory of optimization, numerical algorithms to locate points satisfying optimality conditions and to analyze the convergence properties. Prerequisites: MATH 2472 and MATH 3377 and MATH 3383, all with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5399A. Thesis.
This course represents a student’s initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Mathematics 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5399B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5599B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5999B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Mathematics for Teacher Education (MTE)

MTE 5301E. Visual Models for Middle School Mathematics.
This course uses visual models to motivate understanding of the fundamental concepts underlying middle school mathematics. Pedagogical techniques to engage middle school students will also be addressed including inquiry-based instructional methods utilizing these visual models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301F. Implementing New Mathematics Curriculum.
In this course we will investigate the keys to successfully implementing new curriculum. Two main aspects considered are: 1) the mathematical content knowledge required for a new curriculum and 2) how to build a community of practice which provides support during the implementation process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301G. Mathematics for Teaching.
A study of the current trends and topics found in the secondary school mathematics curriculum taught from an advance perspective. Course context will be flexible and topics will be selected on the basis of student needs and interests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5302A. Quantitative Reasoning.
This course covers current pedagogy, curriculum, and methods related specifically to the teaching of middle school mathematics. Some of the topics explored are curriculum theory, instructional theory, learning theory, problem solving, national and state standards and assessment, discovery learning, assessment methods, manipulative, and technology in the classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5311. Quantitative Reasoning.
This course will focus on numerical reasoning and problem solving with particular attention being placed on strategies for solving problems, methods for mental computation and computational estimation, and algorithmic processes being taught in a studentcentered atmosphere where teachers are free to take risks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5313. Geometry and Measurement.
This course will focus on using spatial reasoning to investigate the concepts of direction, orientation, shape and structure; using mathematical reasoning to develop and prove geometric relationships; using logical reasoning and proof in relation to the axiomatic structure of geometry; using measurement of geometry concepts to solve real-world problems. 5315 Algebraic Reasoning. (3-0) This course will focus on using algebraic reasoning to.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5315. Algebraic Reasoning.
This course will focus on using algebraic reasoning to investigate patterns, make generalizations, formulate mathematical models, and make predications; using properties, graphs, and applications of relations and function to analyze, model and solve problems; and making connections among geometric, graphic, numeric and symbolic representation of functions and relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5317. Math Modeling.
This course will focus on modeling problems, applying appropriate mathematical analysis and drawing conclusions from the analysis; solving problems recursively, using linear and non-linear functions and using geometry and discrete mathematics to solve problems in Science, Music, and Art. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5319. Concepts of Calculus.
A first course in differential and integral calculus. The student will explore the slope of secant lines, average velocity, limit, instantaneous velocity, derivative, slope of a curve at a point, area under a graph, integrals, fundamental theorem of calculus, and applications. Prerequisite: MTE 5317 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5321. Probability and Statistics.
This course will deal with using graphical and numerical techniques to explore date, characterize patterns, and describe departures from patterns; designing experiments to solve problems; understanding the theory of probability and its relationship to sampling and statistical inference and its use in making and evaluating predication. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5323. Logic and Foundations of Mathematics.
This course will consist of an introduction to fundamental mathematical structures and techniques of proof. Topics will include: logic, set theory, number theory, relations, and functions. Emphasis will be placed on communication about mathematics and construction of well-reasoned explanations. Prerequisite: MTE 5313 and MTE 5319 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Mathematics (Non-thesis Option)

Program Overview

Texas State offers opportunities to work with outstanding faculty in a collegial atmosphere where mathematicians and mathematics educators collaborate closely. The multi-faceted program offers a strong foundation and research opportunities in mathematics, applied math, and mathematics education, preparing students for further graduate study, teaching, or industry positions. The M.S. in mathematics prepares students with the applied mathematical knowledge and critical thinking abilities needed to pursue doctoral degrees, teaching careers or leadership positions in industry.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mathematics or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- effective spring 2020, GRE not required
- resume/CV
- statement of purpose
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Mathematics requires 36 semester credit hours. Students who do not have the

appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
MATH 5307	Modern Algebra	3
MATH 5329	General Topology	3
or MATH 5331	Metric Spaces	
MATH 5373	Theory of Functions of Real Variables	3
Electives		
Choose 27 hours from the following:		27
MATH 5301	Partial Differential Equations	
MATH 5305	Advanced Course in Probability and Statistics	
MATH 5306	Ring Theory	
MATH 5311	Foundations of Differential Equations	
MATH 5312	Functions of a Complex Variable	
MATH 5313	Field Theory	
MATH 5314	Number Theory	
MATH 5319	The Theory of Integration	
MATH 5336	Studies in Applied Mathematics	
MATH 5340	Scientific Computation	
MATH 5345	Regression Analysis	
MATH 5350	Combinatorics	
MATH 5355	Applied and Algorithmic Graph Theory	
MATH 5358	Applied Discrete Mathematics	
MATH 5360	Mathematical Modeling	
MATH 5374	Numerical Linear Algebra	
MATH 5376A	Design and Analysis of Experiments	
or MATH 5376B	Analysis of Variance	
MATH 5376C	Survival Analysis	
MATH 5376D	Statistical Applications in Genetics and Bioinformatics	
MATH 5382	Foundation of Real Analysis	
MATH 5390	Statistics	
MATH 5393	Numerical Optimization	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Mathematics: MATH (p. 2618), MTE (p. 2621)

Courses Offered

Mathematics (MATH)

MATH 5111. Graduate Assistant Training.
This course is concerned with techniques used in the teaching of mathematics. This course is required as a condition of employment for graduate teaching and instructional assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5301. Partial Differential Equations.
Theory and application of partial differential equations; derivation of the differential equation; use of vector and Tensor methods; equations of the first order; wave equations; vibrations and normal functions; Fourier series and integral; Cauchy's methods, initial data; methods of Green; potentials; boundary problems; methods of Riemann-Volterra; characteristics. Prerequisites: MATH 3323 and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5303. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress. Cannot be used on a degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5304. Topics in Mathematics for the Secondary Teacher.
A study of the current trends and topics found in the secondary school mathematics curriculum with the goal of improving the mathematical background of the secondary teacher. Course content will be flexible and topics will be selected on the basis of student needs and interests. Cannot be used on degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5305. Advanced Course in Probability and Statistics.
Advanced topics in probability and statistics. May be repeated once with different emphasis for additional credit. Prerequisite: MATH 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5306. Ring Theory.
Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5307. Modern Algebra.
Topics in modern algebra. Material will be adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5311. Foundations of Differential Equations.
A critical study of the foundations of derivation equations, operator spaces, and such basic topics. Recent developments in this field will be investigated and independent investigation will be encouraged. Prerequisite: MATH 3373 with a grade of "C" or better, and either MATH 3380 or MATH 5382.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5312. Functions of a Complex Variable.
Modern developments in the field of a complex variable. Prerequisite: MATH 3373 with a grade of "C" or better; and MATH 3380 or MATH 5382; and MATH 4315 or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5313. Field Theory.
Topics in field theory, separable extensions, and Galois Theory. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5314. Number Theory.
Topics in algebra selected from quadratic forms, elementary number theory, algebraic or analytic number theory, with material adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5315. Mathematical Statistics.
This course discusses theoretical aspects of estimation theory and hypothesis testing procedures, with some of their important applications. The main topics include convergence of random variables, parameter estimation, properties of estimators, interval estimation, sufficiency and applications to the exponential family, hypothesis testing, decision theory, and Bayesian inference. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5317. Problems in Advanced Mathematics.
Open to graduate students on an individual basis by arrangement with the mathematics department. A considerable degree of mathematical maturity is required. May be repeated with different emphasis. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 5319. The Theory of Integration.
A course in the theory of integration with special emphasis on the Lebesgue integrals. A course in the theory of real variables, with a knowledge of point set theory, is desirable as a background for this course. A considerable amount of mathematical maturity is required. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5329. General Topology.
Point-set topology with an emphasis on general topological spaces; separation axioms, connectivity, the metrization theorem, and the C-W complexes. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5331. Metric Spaces.
Point-set topology with an emphasis on metric spaces and compactness but including a brief introduction to general topological spaces. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5336. Studies in Applied Mathematics.
Topics selected from optimization and control theory, numerical analysis, calculus of variations, boundary value problems, special functions, or tensor analysis. May be repeated with different emphasis for additional credit. Prerequisites: Six hours of advanced mathematics pertinent to topic and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5340. Scientific Computation.
This course will involve the analysis of algorithms from science and mathematics, and the implementation of these algorithms using a computer algebra system. Symbolic numerical and graphical techniques will be studied. Applications will be drawn from science, engineering, and mathematics. A knowledge of differential equations is expected. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MATH 5345. Regression Analysis.
This course introduces formulation and statistical methodologies for simple and multiple regression, assessment of model fit, model design, and criteria for selection of optimal regression models. Students will develop skills with the use of statistical packages and the writing of reports analyzing a variety of real-world data. Prerequisite: MATH 2472.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5350. Combinatorics.
This course, covers permutations, combinations, Stirling numbers, chromatic numbers, Ramsey numbers, generating functions, Polya theory, Latin squares and random block design. Prerequisite: MATH 3398 or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5355. Applied and Algorithmic Graph Theory.
This course is designed to emphasize the close tie between the theoretical and algorithmic aspects. The topics may include basic concepts such as connectivity, trees, planarity, coloring of graphs, matchings, and networks. It also covers many algorithms such as Max-flow Min-cut algorithm, maximum matching algorithm, and optimization algorithms for facility location problems in networks. Prerequisite: MATH 5388 or MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5358. Applied Discrete Mathematics.
Boolean algebra, counting techniques, discrete probability, graph theory, and related discrete mathematical structures that are commonly encountered in computer science. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5360. Mathematical Modeling.
This course introduces the process and techniques of mathematical modeling. It covers a variety of application areas from the natural sciences. Emphasis is placed on deterministic systems, stochastic models, and diffusion. Prerequisite: MATH 3373, MATH 3323, and MATH 5301, or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5373. Theory of Functions of Real Variables.
This course will discuss those topics that will enable the student to obtain a better grasp of the fundamental concepts of the calculus of real variables and the more recent developments of this analysis. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5374. Numerical Linear Algebra.
This course introduces tools that mathematical scientists use with vectors and matrices. Applications include least squares and eigenvalue problems, and systems of equations from applied mathematics. The stability of algorithms to perturbations are considered. Theory is balanced with numerically implementing algorithms, in particular for iterative methods for large, sparse systems. Prerequisite: MATH 3377 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5376A. Design and Analysis of Experiments.
This course introduces fundamental concepts in the design of experiments, justification of linear models, randomization and principles of blocking. It also discusses the construction and analysis of basic designs including fractional replication, composite designs, factorial designs, and incomplete block designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376B. Analysis of Variance.
This course introduces basic methods, one-way, two-way ANOVA procedures, and multifactor ANOVA designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376C. Survival Analysis.
This course introduces basic concepts and methods in the analysis of survival data. Topics include characteristics of survival data, basic functions, parametric models for survival time, maximum likelihood estimation of survival function, two-sample test techniques, regression analysis with parametric and semi-parametric models, and mathematical and graphical methods for model checking. Prerequisite: Math 5315; or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5376D. Statistical Applications in Genetics and Bioinformatics.
The statistical concepts and methods to be covered include important probability distributions, analysis of variance, regression analysis, hidden Markov model, and Markov Chain Monte Carlo methods. These methods will be used to address important and challenging questions arising in the analysis of large genetic and bioinformatic datasets. Prerequisite: Math4305 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5381. Foundations of Set Theory.
A formal study of the theory of sets, relations, functions, finite and infinite sets, set operations and other selected topics. This course will also train the student in the understanding of mathematical logic and the writing of proofs. Prerequisite:MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5382. Foundation of Real Analysis.
A course covering the foundations of mathematical analysis. Topics include: real numbers, sequences, series, and limits and continuity of functions. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5384. Geometric Approach to Abstract Algebra.
Definitions and elementary properties of groups, rings, integral domains, fields and vector spaces with great emphasis on the rings of integers, rational numbers, complex numbers, polynomials, and the interplay between algebra and geometry. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5386. Knots and Surfaces, An Introduction to Low-Dimensional Topology.
Knot polynomials and other knot invariants. The topological classification of surfaces and topological invariants of surfaces. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5388. Discrete Mathematics.
This course covers topics from: basic and advanced techniques of counting, recurrence relations, discrete probability and statistics, and applications of graph theory. Prerequisites: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5390. Statistics.
This course will cover not only some of the basic statistical ideas and techniques but also the mathematical and probabilistic underpinnings of these techniques with an emphasis on simulations and modeling. The planning, conducting, analysis, and reporting of experimental data will also be covered. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5392. Survey of Geometries.
A study of topics in geometry including geometrical transformations, the geometry fractals, projective geometry, Euclidean geometry, and non-Euclidean geometry. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5393. Numerical Optimization.
This course focuses on optimization methods for a broad range of applications, such as engineering and applied sciences. Subjects are the basic theory of optimization, numerical algorithms to locate points satisfying optimality conditions and to analyze the convergence properties. Prerequisites: MATH 2472 and MATH 3377 and MATH 3383, all with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5399A. Thesis.
This course represents a student’s initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Mathematics 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5399B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5599B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5999B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Mathematics for Teacher Education (MTE)

MTE 5301E. Visual Models for Middle School Mathematics.
This course uses visual models to motivate understanding of the fundamental concepts underlying middle school mathematics. Pedagogical techniques to engage middle school students will also be addressed including inquiry-based instructional methods utilizing these visual models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301F. Implementing New Mathematics Curriculum.
In this course we will investigate the keys to successfully implementing new curriculum. Two main aspects considered are: 1) the mathematical content knowledge required for a new curriculum and 2) how to build a community of practice which provides support during the implementation process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301G. Mathematics for Teaching.
A study of the current trends and topics found in the secondary school mathematics curriculum taught from an advance perspective. Course context will be flexible and topics will be selected on the basis of student needs and interests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5302A. Quantitative Reasoning.
This course covers current pedagogy, curriculum, and methods related specifically to the teaching of middle school mathematics. Some of the topics explored are curriculum theory, instructional theory, learning theory, problem solving, national and state standards and assessment, discovery learning, assessment methods, manipulative, and technology in the classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5311. Quantitative Reasoning.
This course will focus on numerical reasoning and problem solving with particular attention being placed on strategies for solving problems, methods for mental computation and computational estimation, and algorithmic processes being taught in a studentcentered atmosphere where teachers are free to take risks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5313. Geometry and Measurement.
This course will focus on using spatial reasoning to investigate the concepts of direction, orientation, shape and structure; using mathematical reasoning to develop and prove geometric relationships; using logical reasoning and proof in relation to the axiomatic structure of geometry; using measurement of geometry concepts to solve real-world problems. 5315 Algebraic Reasoning. (3-0) This course will focus on using algebraic reasoning to.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5315. Algebraic Reasoning.
This course will focus on using algebraic reasoning to investigate patterns, make generalizations, formulate mathematical models, and make predications; using properties, graphs, and applications of relations and function to analyze, model and solve problems; and making connections among geometric, graphic, numeric and symbolic representation of functions and relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5317. Math Modeling.
This course will focus on modeling problems, applying appropriate mathematical analysis and drawing conclusions from the analysis; solving problems recursively, using linear and non-linear functions and using geometry and discrete mathematics to solve problems in Science, Music, and Art. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5319. Concepts of Calculus.
A first course in differential and integral calculus. The student will explore the slope of secant lines, average velocity, limit, instantaneous velocity, derivative, slope of a curve at a point, area under a graph, integrals, fundamental theorem of calculus, and applications. Prerequisite: MTE 5317 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5321. Probability and Statistics.
This course will deal with using graphical and numerical techniques to explore date, characterize patterns, and describe departures from patterns; designing experiments to solve problems; understanding the theory of probability and its relationship to sampling and statistical inference and its use in making and evaluating predication. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5323. Logic and Foundations of Mathematics.
This course will consist of an introduction to fundamental mathematical structures and techniques of proof. Topics will include: logic, set theory, number theory, relations, and functions. Emphasis will be placed on communication about mathematics and construction of well-reasoned explanations. Prerequisite: MTE 5313 and MTE 5319 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Mathematics (Non-thesis Minor Option)

Program Overview

Texas State offers opportunities to work with outstanding faculty in a collegial atmosphere where mathematicians and mathematics educators collaborate closely. The multi-faceted program offers a strong foundation and research opportunities in mathematics, applied math, and mathematics education, preparing students for further graduate study, teaching, or industry positions. The M.S. in mathematics prepares students with the applied mathematical knowledge and critical thinking abilities needed to pursue doctoral degrees, teaching careers or leadership positions in industry.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mathematics or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- effective spring 2020, GRE not required
- resume/CV
- statement of purpose
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Mathematics requires 36 semester credit hours.

Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
MATH 5307	Modern Algebra	3
MATH 5373	Theory of Functions of Real Variables	3
MATH 5329	General Topology	3
or MATH 5331	Metric Spaces	
Electives		
Choose 18 hours from the following:		18
MATH 5301	Partial Differential Equations	
MATH 5305	Advanced Course in Probability and Statistics	
MATH 5306	Ring Theory	
MATH 5311	Foundations of Differential Equations	
MATH 5312	Functions of a Complex Variable	
MATH 5313	Field Theory	
MATH 5314	Number Theory	
MATH 5319	The Theory of Integration	
MATH 5336	Studies in Applied Mathematics	
MATH 5340	Scientific Computation	
MATH 5345	Regression Analysis	
MATH 5350	Combinatorics	
MATH 5355	Applied and Algorithmic Graph Theory	
MATH 5358	Applied Discrete Mathematics	
MATH 5360	Mathematical Modeling	
MATH 5374	Numerical Linear Algebra	
MATH 5376A	Design and Analysis of Experiments	
or MATH 5376B	Analysis of Variance	
MATH 5376C	Survival Analysis	
MATH 5376D	Statistical Applications in Genetics and Bioinformatics	
MATH 5382	Foundation of Real Analysis	
MATH 5390	Statistics	
MATH 5393	Numerical Optimization	
Minor		
Choose a 9-hour advisor-approved minor		9
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Mathematics: MATH (p. 2623), MTE (p. 2626)

Courses Offered

Mathematics (MATH)

MATH 5111. Graduate Assistant Training.
This course is concerned with techniques used in the teaching of mathematics. This course is required as a condition of employment for graduate teaching and instructional assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5301. Partial Differential Equations.
Theory and application of partial differential equations; derivation of the differential equation; use of vector and Tensor methods; equations of the first order; wave equations; vibrations and normal functions; Fourier series and integral; Cauchy's methods, initial data; methods of Green; potentials; boundary problems; methods of Riemann-Volterra; characteristics. Prerequisites: MATH 3323 and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5303. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress. Cannot be used on a degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5304. Topics in Mathematics for the Secondary Teacher.
A study of the current trends and topics found in the secondary school mathematics curriculum with the goal of improving the mathematical background of the secondary teacher. Course content will be flexible and topics will be selected on the basis of student needs and interests. Cannot be used on degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5305. Advanced Course in Probability and Statistics.
Advanced topics in probability and statistics. May be repeated once with different emphasis for additional credit. Prerequisite: MATH 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5306. Ring Theory.
Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5307. Modern Algebra.
Topics in modern algebra. Material will be adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5311. Foundations of Differential Equations.
A critical study of the foundations of derivation equations, operator spaces, and such basic topics. Recent developments in this field will be investigated and independent investigation will be encouraged. Prerequisite: MATH 3373 with a grade of "C" or better, and either MATH 3380 or MATH 5382.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5312. Functions of a Complex Variable.
Modern developments in the field of a complex variable. Prerequisite: MATH 3373 with a grade of "C" or better; and MATH 3380 or MATH 5382; and MATH 4315 or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5313. Field Theory.
Topics in field theory, separable extensions, and Galois Theory. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5314. Number Theory.
Topics in algebra selected from quadratic forms, elementary number theory, algebraic or analytic number theory, with material adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5315. Mathematical Statistics.
This course discusses theoretical aspects of estimation theory and hypothesis testing procedures, with some of their important applications. The main topics include convergence of random variables, parameter estimation, properties of estimators, interval estimation, sufficiency and applications to the exponential family, hypothesis testing, decision theory, and Bayesian inference. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5317. Problems in Advanced Mathematics.
Open to graduate students on an individual basis by arrangement with the mathematics department. A considerable degree of mathematical maturity is required. May be repeated with different emphasis. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 5319. The Theory of Integration.
A course in the theory of integration with special emphasis on the Lebesgue integrals. A course in the theory of real variables, with a knowledge of point set theory, is desirable as a background for this course. A considerable amount of mathematical maturity is required. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5329. General Topology.
Point-set topology with an emphasis on general topological spaces; separation axioms, connectivity, the metrization theorem, and the C-W complexes. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5331. Metric Spaces.
Point-set topology with an emphasis on metric spaces and compactness but including a brief introduction to general topological spaces. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5336. Studies in Applied Mathematics.
Topics selected from optimization and control theory, numerical analysis, calculus of variations, boundary value problems, special functions, or tensor analysis. May be repeated with different emphasis for additional credit. Prerequisites: Six hours of advanced mathematics pertinent to topic and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5340. Scientific Computation.
This course will involve the analysis of algorithms from science and mathematics, and the implementation of these algorithms using a computer algebra system. Symbolic numerical and graphical techniques will be studied. Applications will be drawn from science, engineering, and mathematics. A knowledge of differential equations is expected. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MATH 5345. Regression Analysis.
This course introduces formulation and statistical methodologies for simple and multiple regression, assessment of model fit, model design, and criteria for selection of optimal regression models. Students will develop skills with the use of statistical packages and the writing of reports analyzing a variety of real-world data. Prerequisite: MATH 2472.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5350. Combinatorics.
This course, covers permutations, combinations, Stirling numbers, chromatic numbers, Ramsey numbers, generating functions, Polya theory, Latin squares and random block design. Prerequisite: MATH 3398 or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5355. Applied and Algorithmic Graph Theory.
This course is designed to emphasize the close tie between the theoretical and algorithmic aspects. The topics may include basic concepts such as connectivity, trees, planarity, coloring of graphs, matchings, and networks. It also covers many algorithms such as Max-flow Min-cut algorithm, maximum matching algorithm, and optimization algorithms for facility location problems in networks. Prerequisite: MATH 5388 or MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5358. Applied Discrete Mathematics.
Boolean algebra, counting techniques, discrete probability, graph theory, and related discrete mathematical structures that are commonly encountered in computer science. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5360. Mathematical Modeling.
This course introduces the process and techniques of mathematical modeling. It covers a variety of application areas from the natural sciences. Emphasis is placed on deterministic systems, stochastic models, and diffusion. Prerequisite: MATH 3373, MATH 3323, and MATH 5301, or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5373. Theory of Functions of Real Variables.
This course will discuss those topics that will enable the student to obtain a better grasp of the fundamental concepts of the calculus of real variables and the more recent developments of this analysis. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5374. Numerical Linear Algebra.
This course introduces tools that mathematical scientists use with vectors and matrices. Applications include least squares and eigenvalue problems, and systems of equations from applied mathematics. The stability of algorithms to perturbations are considered. Theory is balanced with numerically implementing algorithms, in particular for iterative methods for large, sparse systems. Prerequisite: MATH 3377 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5376A. Design and Analysis of Experiments.
This course introduces fundamental concepts in the design of experiments, justification of linear models, randomization and principles of blocking. It also discusses the construction and analysis of basic designs including fractional replication, composite designs, factorial designs, and incomplete block designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376B. Analysis of Variance.
This course introduces basic methods, one-way, two-way ANOVA procedures, and multifactor ANOVA designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376C. Survival Analysis.
This course introduces basic concepts and methods in the analysis of survival data. Topics include characteristics of survival data, basic functions, parametric models for survival time, maximum likelihood estimation of survival function, two-sample test techniques, regression analysis with parametric and semi-parametric models, and mathematical and graphical methods for model checking. Prerequisite: Math 5315; or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5376D. Statistical Applications in Genetics and Bioinformatics.
The statistical concepts and methods to be covered include important probability distributions, analysis of variance, regression analysis, hidden Markov model, and Markov Chain Monte Carlo methods. These methods will be used to address important and challenging questions arising in the analysis of large genetic and bioinformatic datasets. Prerequisite: Math4305 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5381. Foundations of Set Theory.
A formal study of the theory of sets, relations, functions, finite and infinite sets, set operations and other selected topics. This course will also train the student in the understanding of mathematical logic and the writing of proofs. Prerequisite:MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5382. Foundation of Real Analysis.
A course covering the foundations of mathematical analysis. Topics include: real numbers, sequences, series, and limits and continuity of functions. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5384. Geometric Approach to Abstract Algebra.
Definitions and elementary properties of groups, rings, integral domains, fields and vector spaces with great emphasis on the rings of integers, rational numbers, complex numbers, polynomials, and the interplay between algebra and geometry. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5386. Knots and Surfaces, An Introduction to Low-Dimensional Topology.
Knot polynomials and other knot invariants. The topological classification of surfaces and topological invariants of surfaces. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5388. Discrete Mathematics.
This course covers topics from: basic and advanced techniques of counting, recurrence relations, discrete probability and statistics, and applications of graph theory. Prerequisites: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5390. Statistics.
This course will cover not only some of the basic statistical ideas and techniques but also the mathematical and probabilistic underpinnings of these techniques with an emphasis on simulations and modeling. The planning, conducting, analysis, and reporting of experimental data will also be covered. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5392. Survey of Geometries.
A study of topics in geometry including geometrical transformations, the geometry fractals, projective geometry, Euclidean geometry, and non-Euclidean geometry. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5393. Numerical Optimization.
This course focuses on optimization methods for a broad range of applications, such as engineering and applied sciences. Subjects are the basic theory of optimization, numerical algorithms to locate points satisfying optimality conditions and to analyze the convergence properties. Prerequisites: MATH 2472 and MATH 3377 and MATH 3383, all with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5399A. Thesis.
This course represents a student’s initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Mathematics 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5399B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5599B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5999B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Mathematics for Teacher Education (MTE)

MTE 5301E. Visual Models for Middle School Mathematics.
This course uses visual models to motivate understanding of the fundamental concepts underlying middle school mathematics. Pedagogical techniques to engage middle school students will also be addressed including inquiry-based instructional methods utilizing these visual models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301F. Implementing New Mathematics Curriculum.
In this course we will investigate the keys to successfully implementing new curriculum. Two main aspects considered are: 1) the mathematical content knowledge required for a new curriculum and 2) how to build a community of practice which provides support during the implementation process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301G. Mathematics for Teaching.
A study of the current trends and topics found in the secondary school mathematics curriculum taught from an advance perspective. Course context will be flexible and topics will be selected on the basis of student needs and interests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5302A. Quantitative Reasoning.
This course covers current pedagogy, curriculum, and methods related specifically to the teaching of middle school mathematics. Some of the topics explored are curriculum theory, instructional theory, learning theory, problem solving, national and state standards and assessment, discovery learning, assessment methods, manipulative, and technology in the classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5311. Quantitative Reasoning.
This course will focus on numerical reasoning and problem solving with particular attention being placed on strategies for solving problems, methods for mental computation and computational estimation, and algorithmic processes being taught in a studentcentered atmosphere where teachers are free to take risks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5313. Geometry and Measurement.
This course will focus on using spatial reasoning to investigate the concepts of direction, orientation, shape and structure; using mathematical reasoning to develop and prove geometric relationships; using logical reasoning and proof in relation to the axiomatic structure of geometry; using measurement of geometry concepts to solve real-world problems. 5315 Algebraic Reasoning. (3-0) This course will focus on using algebraic reasoning to.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5315. Algebraic Reasoning.
This course will focus on using algebraic reasoning to investigate patterns, make generalizations, formulate mathematical models, and make predications; using properties, graphs, and applications of relations and function to analyze, model and solve problems; and making connections among geometric, graphic, numeric and symbolic representation of functions and relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5317. Math Modeling.
This course will focus on modeling problems, applying appropriate mathematical analysis and drawing conclusions from the analysis; solving problems recursively, using linear and non-linear functions and using geometry and discrete mathematics to solve problems in Science, Music, and Art. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5319. Concepts of Calculus.
A first course in differential and integral calculus. The student will explore the slope of secant lines, average velocity, limit, instantaneous velocity, derivative, slope of a curve at a point, area under a graph, integrals, fundamental theorem of calculus, and applications. Prerequisite: MTE 5317 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5321. Probability and Statistics.
This course will deal with using graphical and numerical techniques to explore date, characterize patterns, and describe departures from patterns; designing experiments to solve problems; understanding the theory of probability and its relationship to sampling and statistical inference and its use in making and evaluating predication. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5323. Logic and Foundations of Mathematics.
This course will consist of an introduction to fundamental mathematical structures and techniques of proof. Topics will include: logic, set theory, number theory, relations, and functions. Emphasis will be placed on communication about mathematics and construction of well-reasoned explanations. Prerequisite: MTE 5313 and MTE 5319 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Mathematics (Statistics Concentration Non-thesis Option)

Program Overview

Texas State offers opportunities to work with outstanding faculty in a collegial atmosphere where mathematicians and mathematics educators work closely together. The multi-faceted programs offer a strong mathematics foundation and research opportunities in mathematics and mathematics education, preparing students for further graduate study, teaching, or industry positions.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the

International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mathematics or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- effective spring 2020, GRE not required
- resume/CV
- statement of purpose
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Mathematics concentration in statistics requires 36 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
MATH 5305	Advanced Course in Probability and Statistics	3
MATH 5315	Mathematical Statistics	3
MATH 5345	Regression Analysis	3
MATH 5373	Theory of Functions of Real Variables	3
MATH 5376A	Design and Analysis of Experiments	3
or MATH 5376E	Analysis of Variance	
MATH 5376C	Survival Analysis	3
or MATH 5376D	Statistical Applications in Genetics and Bioinformatics	
MATH 5390	Statistics	3
MATH 5393	Numerical Optimization	3
or MATH 5374	Numerical Linear Algebra	
Electives		
Choose 12 hours from the following:		12
MATH 5301	Partial Differential Equations	
MATH 5306	Ring Theory	
MATH 5307	Modern Algebra	
MATH 5311	Foundations of Differential Equations	
MATH 5312	Functions of a Complex Variable	
MATH 5313	Field Theory	
MATH 5314	Number Theory	
MATH 5319	The Theory of Integration	
MATH 5329	General Topology	
MATH 5331	Metric Spaces	
MATH 5336	Studies in Applied Mathematics	
MATH 5340	Scientific Computation	
MATH 5350	Combinatorics	
MATH 5355	Applied and Algorithmic Graph Theory	
MATH 5358	Applied Discrete Mathematics	
MATH 5360	Mathematical Modeling	
MATH 5376C	Survival Analysis	
or MATH 537	Statistical Applications in Genetics and Bioinformatics	
MATH 5382	Foundation of Real Analysis	
MATH 5393	Numerical Optimization	
or MATH 537	Numerical Linear Algebra	
Total Hours		36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Mathematics: MATH (p. 2628), MTE (p. 2632)

Courses Offered

Mathematics (MATH)

MATH 5111. Graduate Assistant Training.
This course is concerned with techniques used in the teaching of mathematics. This course is required as a condition of employment for graduate teaching and instructional assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5301. Partial Differential Equations.
Theory and application of partial differential equations; derivation of the differential equation; use of vector and Tensor methods; equations of the first order; wave equations; vibrations and normal functions; Fourier series and integral; Cauchy's methods, initial data; methods of Green; potentials; boundary problems; methods of Riemann-Volterra; characteristics. Prerequisites: MATH 3323 and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5303. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress. Cannot be used on a degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5304. Topics in Mathematics for the Secondary Teacher.
A study of the current trends and topics found in the secondary school mathematics curriculum with the goal of improving the mathematical background of the secondary teacher. Course content will be flexible and topics will be selected on the basis of student needs and interests. Cannot be used on degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5305. Advanced Course in Probability and Statistics.
Advanced topics in probability and statistics. May be repeated once with different emphasis for additional credit. Prerequisite: MATH 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5306. Ring Theory.
Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5307. Modern Algebra.
Topics in modern algebra. Material will be adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5311. Foundations of Differential Equations.
A critical study of the foundations of derivation equations, operator spaces, and such basic topics. Recent developments in this field will be investigated and independent investigation will be encouraged. Prerequisite: MATH 3373 with a grade of "C" or better, and either MATH 3380 or MATH 5382.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5312. Functions of a Complex Variable.
Modern developments in the field of a complex variable. Prerequisite: MATH 3373 with a grade of "C" or better; and MATH 3380 or MATH 5382; and MATH 4315 or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5313. Field Theory.
Topics in field theory, separable extensions, and Galois Theory. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5314. Number Theory.
Topics in algebra selected from quadratic forms, elementary number theory, algebraic or analytic number theory, with material adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5315. Mathematical Statistics.
This course discusses theoretical aspects of estimation theory and hypothesis testing procedures, with some of their important applications. The main topics include convergence of random variables, parameter estimation, properties of estimators, interval estimation, sufficiency and applications to the exponential family, hypothesis testing, decision theory, and Bayesian inference. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5317. Problems in Advanced Mathematics.
Open to graduate students on an individual basis by arrangement with the mathematics department. A considerable degree of mathematical maturity is required. May be repeated with different emphasis. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 5319. The Theory of Integration.
A course in the theory of integration with special emphasis on the Lebesgue integrals. A course in the theory of real variables, with a knowledge of point set theory, is desirable as a background for this course. A considerable amount of mathematical maturity is required. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5329. General Topology.
Point-set topology with an emphasis on general topological spaces; separation axioms, connectivity, the metrization theorem, and the C-W complexes. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5331. Metric Spaces.
Point-set topology with an emphasis on metric spaces and compactness but including a brief introduction to general topological spaces. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5336. Studies in Applied Mathematics.
Topics selected from optimization and control theory, numerical analysis, calculus of variations, boundary value problems, special functions, or tensor analysis. May be repeated with different emphasis for additional credit. Prerequisites: Six hours of advanced mathematics pertinent to topic and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5340. Scientific Computation.
This course will involve the analysis of algorithms from science and mathematics, and the implementation of these algorithms using a computer algebra system. Symbolic numerical and graphical techniques will be studied. Applications will be drawn from science, engineering, and mathematics. A knowledge of differential equations is expected. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MATH 5345. Regression Analysis.
This course introduces formulation and statistical methodologies for simple and multiple regression, assessment of model fit, model design, and criteria for selection of optimal regression models. Students will develop skills with the use of statistical packages and the writing of reports analyzing a variety of real-world data. Prerequisite: MATH 2472.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5350. Combinatorics.
This course, covers permutations, combinations, Stirling numbers, chromatic numbers, Ramsey numbers, generating functions, Polya theory, Latin squares and random block design. Prerequisite: MATH 3398 or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5355. Applied and Algorithmic Graph Theory.
This course is designed to emphasize the close tie between the theoretical and algorithmic aspects. The topics may include basic concepts such as connectivity, trees, planarity, coloring of graphs, matchings, and networks. It also covers many algorithms such as Max-flow Min-cut algorithm, maximum matching algorithm, and optimization algorithms for facility location problems in networks. Prerequisite: MATH 5388 or MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5358. Applied Discrete Mathematics.
Boolean algebra, counting techniques, discrete probability, graph theory, and related discrete mathematical structures that are commonly encountered in computer science. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5360. Mathematical Modeling.
This course introduces the process and techniques of mathematical modeling. It covers a variety of application areas from the natural sciences. Emphasis is placed on deterministic systems, stochastic models, and diffusion. Prerequisite: MATH 3373, MATH 3323, and MATH 5301, or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5373. Theory of Functions of Real Variables.
This course will discuss those topics that will enable the student to obtain a better grasp of the fundamental concepts of the calculus of real variables and the more recent developments of this analysis. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5374. Numerical Linear Algebra.
This course introduces tools that mathematical scientists use with vectors and matrices. Applications include least squares and eigenvalue problems, and systems of equations from applied mathematics. The stability of algorithms to perturbations are considered. Theory is balanced with numerically implementing algorithms, in particular for iterative methods for large, sparse systems. Prerequisite: MATH 3377 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5376A. Design and Analysis of Experiments.
This course introduces fundamental concepts in the design of experiments, justification of linear models, randomization and principles of blocking. It also discusses the construction and analysis of basic designs including fractional replication, composite designs, factorial designs, and incomplete block designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376B. Analysis of Variance.
This course introduces basic methods, one-way, two-way ANOVA procedures, and multifactor ANOVA designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376C. Survival Analysis.
This course introduces basic concepts and methods in the analysis of survival data. Topics include characteristics of survival data, basic functions, parametric models for survival time, maximum likelihood estimation of survival function, two-sample test techniques, regression analysis with parametric and semi-parametric models, and mathematical and graphical methods for model checking. Prerequisite: Math 5315; or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5376D. Statistical Applications in Genetics and Bioinformatics.
The statistical concepts and methods to be covered include important probability distributions, analysis of variance, regression analysis, hidden Markov model, and Markov Chain Monte Carlo methods. These methods will be used to address important and challenging questions arising in the analysis of large genetic and bioinformatic datasets. Prerequisite: Math4305 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5381. Foundations of Set Theory.
A formal study of the theory of sets, relations, functions, finite and infinite sets, set operations and other selected topics. This course will also train the student in the understanding of mathematical logic and the writing of proofs. Prerequisite:MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5382. Foundation of Real Analysis.
A course covering the foundations of mathematical analysis. Topics include: real numbers, sequences, series, and limits and continuity of functions. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5384. Geometric Approach to Abstract Algebra.
Definitions and elementary properties of groups, rings, integral domains, fields and vector spaces with great emphasis on the rings of integers, rational numbers, complex numbers, polynomials, and the interplay between algebra and geometry. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5386. Knots and Surfaces, An Introduction to Low-Dimensional Topology.
Knot polynomials and other knot invariants. The topological classification of surfaces and topological invariants of surfaces. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5388. Discrete Mathematics.
This course covers topics from: basic and advanced techniques of counting, recurrence relations, discrete probability and statistics, and applications of graph theory. Prerequisites: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5390. Statistics.
This course will cover not only some of the basic statistical ideas and techniques but also the mathematical and probabilistic underpinnings of these techniques with an emphasis on simulations and modeling. The planning, conducting, analysis, and reporting of experimental data will also be covered. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5392. Survey of Geometries.
A study of topics in geometry including geometrical transformations, the geometry fractals, projective geometry, Euclidean geometry, and non-Euclidean geometry. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5393. Numerical Optimization.
This course focuses on optimization methods for a broad range of applications, such as engineering and applied sciences. Subjects are the basic theory of optimization, numerical algorithms to locate points satisfying optimality conditions and to analyze the convergence properties. Prerequisites: MATH 2472 and MATH 3377 and MATH 3383, all with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5399A. Thesis.
This course represents a student’s initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Mathematics 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5399B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5599B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Mathematics for Teacher Education (MTE)

MTE 5301E. Visual Models for Middle School Mathematics.
This course uses visual models to motivate understanding of the fundamental concepts underlying middle school mathematics. Pedagogical techniques to engage middle school students will also be addressed including inquiry-based instructional methods utilizing these visual models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301F. Implementing New Mathematics Curriculum.
In this course we will investigate the keys to successfully implementing new curriculum. Two main aspects considered are: 1) the mathematical content knowledge required for a new curriculum and 2) how to build a community of practice which provides support during the implementation process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301G. Mathematics for Teaching.
A study of the current trends and topics found in the secondary school mathematics curriculum taught from an advance perspective. Course context will be flexible and topics will be selected on the basis of student needs and interests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5302A. Quantitative Reasoning.
This course covers current pedagogy, curriculum, and methods related specifically to the teaching of middle school mathematics. Some of the topics explored are curriculum theory, instructional theory, learning theory, problem solving, national and state standards and assessment, discovery learning, assessment methods, manipulative, and technology in the classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5311. Quantitative Reasoning.
This course will focus on numerical reasoning and problem solving with particular attention being placed on strategies for solving problems, methods for mental computation and computational estimation, and algorithmic processes being taught in a studentcentered atmosphere where teachers are free to take risks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5313. Geometry and Measurement.
This course will focus on using spatial reasoning to investigate the concepts of direction, orientation, shape and structure; using mathematical reasoning to develop and prove geometric relationships; using logical reasoning and proof in relation to the axiomatic structure of geometry; using measurement of geometry concepts to solve real-world problems. 5315 Algebraic Reasoning. (3-0) This course will focus on using algebraic reasoning to.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5315. Algebraic Reasoning.
This course will focus on using algebraic reasoning to investigate patterns, make generalizations, formulate mathematical models, and make predications; using properties, graphs, and applications of relations and function to analyze, model and solve problems; and making connections among geometric, graphic, numeric and symbolic representation of functions and relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5317. Math Modeling.
This course will focus on modeling problems, applying appropriate mathematical analysis and drawing conclusions from the analysis; solving problems recursively, using linear and non-linear functions and using geometry and discrete mathematics to solve problems in Science, Music, and Art. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5319. Concepts of Calculus.
A first course in differential and integral calculus. The student will explore the slope of secant lines, average velocity, limit, instantaneous velocity, derivative, slope of a curve at a point, area under a graph, integrals, fundamental theorem of calculus, and applications. Prerequisite: MTE 5317 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5321. Probability and Statistics.
This course will deal with using graphical and numerical techniques to explore date, characterize patterns, and describe departures from patterns; designing experiments to solve problems; understanding the theory of probability and its relationship to sampling and statistical inference and its use in making and evaluating predication. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5323. Logic and Foundations of Mathematics.
This course will consist of an introduction to fundamental mathematical structures and techniques of proof. Topics will include: logic, set theory, number theory, relations, and functions. Emphasis will be placed on communication about mathematics and construction of well-reasoned explanations. Prerequisite: MTE 5313 and MTE 5319 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Mathematics (Statistics Concentration Thesis Option)

Program Overview

Texas State offers opportunities to work with outstanding faculty in a collegial atmosphere where mathematicians and mathematics educators work closely together. The multi-faceted programs offer a strong mathematics foundation and research opportunities in mathematics and mathematics education, preparing students for further graduate study, teaching, or industry positions.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mathematics or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- effective spring 2020, GRE not required
- resume/CV
- statement of purpose
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Mathematics concentration in statistics requires 30 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
MATH 5305	Advanced Course in Probability and Statistics	3
MATH 5315	Mathematical Statistics	3
MATH 5345	Regression Analysis	3
MATH 5373	Theory of Functions of Real Variables	3
MATH 5376A	Design and Analysis of Experiments	3
or MATH 5376E	Analysis of Variance	
MATH 5376C	Survival Analysis	3
or MATH 5376D	Statistical Applications in Genetics and Bioinformatics	
MATH 5390	Statistics	3
MATH 5393	Numerical Optimization	3
or MATH 5374	Numerical Linear Algebra	
Thesis		
MATH 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
MATH 5199B	Thesis	
MATH 5299B	Thesis	
MATH 5399B	Thesis	
MATH 5599B	Thesis	
MATH 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If

the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Mathematics: MATH (p. 2634), MTE (p. 2638)

Courses Offered

Mathematics (MATH)

MATH 5111. Graduate Assistant Training.
This course is concerned with techniques used in the teaching of mathematics. This course is required as a condition of employment for graduate teaching and instructional assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5301. Partial Differential Equations.
Theory and application of partial differential equations; derivation of the differential equation; use of vector and Tensor methods; equations of the first order; wave equations; vibrations and normal functions; Fourier series and integral; Cauchy's methods, initial data; methods of Green; potentials; boundary problems; methods of Riemann-Volterra; characteristics. Prerequisites: MATH 3323 and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5303. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress. Cannot be used on a degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

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A study of the current trends and topics found in the secondary school mathematics curriculum with the goal of improving the mathematical background of the secondary teacher. Course content will be flexible and topics will be selected on the basis of student needs and interests. Cannot be used on degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
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Topics in modern algebra. Material will be adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
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A critical study of the foundations of derivation equations, operator spaces, and such basic topics. Recent developments in this field will be investigated and independent investigation will be encouraged. Prerequisite: MATH 3373 with a grade of "C" or better, and either MATH 3380 or MATH 5382.
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Grade Mode: Standard Letter

MATH 5312. Functions of a Complex Variable.
Modern developments in the field of a complex variable. Prerequisite: MATH 3373 with a grade of "C" or better; and MATH 3380 or MATH 5382; and MATH 4315 or departmental approval.
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Topics in algebra selected from quadratic forms, elementary number theory, algebraic or analytic number theory, with material adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
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Grade Mode: Standard Letter

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Open to graduate students on an individual basis by arrangement with the mathematics department. A considerable degree of mathematical maturity is required. May be repeated with different emphasis. This course does not earn graduate degree credit.
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Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

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A course in the theory of integration with special emphasis on the Lebesgue integrals. A course in the theory of real variables, with a knowledge of point set theory, is desirable as a background for this course. A considerable amount of mathematical maturity is required. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5329. General Topology.
Point-set topology with an emphasis on general topological spaces; separation axioms, connectivity, the metrization theorem, and the C-W complexes. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5331. Metric Spaces.
Point-set topology with an emphasis on metric spaces and compactness but including a brief introduction to general topological spaces. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5336. Studies in Applied Mathematics.
Topics selected from optimization and control theory, numerical analysis, calculus of variations, boundary value problems, special functions, or tensor analysis. May be repeated with different emphasis for additional credit. Prerequisites: Six hours of advanced mathematics pertinent to topic and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5340. Scientific Computation.
This course will involve the analysis of algorithms from science and mathematics, and the implementation of these algorithms using a computer algebra system. Symbolic numerical and graphical techniques will be studied. Applications will be drawn from science, engineering, and mathematics. A knowledge of differential equations is expected. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MATH 5345. Regression Analysis.
This course introduces formulation and statistical methodologies for simple and multiple regression, assessment of model fit, model design, and criteria for selection of optimal regression models. Students will develop skills with the use of statistical packages and the writing of reports analyzing a variety of real-world data. Prerequisite: MATH 2472.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5350. Combinatorics.
This course, covers permutations, combinations, Stirling numbers, chromatic numbers, Ramsey numbers, generating functions, Polya theory, Latin squares and random block design. Prerequisite: MATH 3398 or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5355. Applied and Algorithmic Graph Theory.
This course is designed to emphasize the close tie between the theoretical and algorithmic aspects. The topics may include basic concepts such as connectivity, trees, planarity, coloring of graphs, matchings, and networks. It also covers many algorithms such as Max-flow Min-cut algorithm, maximum matching algorithm, and optimization algorithms for facility location problems in networks. Prerequisite: MATH 5388 or MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5358. Applied Discrete Mathematics.
Boolean algebra, counting techniques, discrete probability, graph theory, and related discrete mathematical structures that are commonly encountered in computer science. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5360. Mathematical Modeling.
This course introduces the process and techniques of mathematical modeling. It covers a variety of application areas from the natural sciences. Emphasis is placed on deterministic systems, stochastic models, and diffusion. Prerequisite: MATH 3373, MATH 3323, and MATH 5301, or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5373. Theory of Functions of Real Variables.
This course will discuss those topics that will enable the student to obtain a better grasp of the fundamental concepts of the calculus of real variables and the more recent developments of this analysis. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5374. Numerical Linear Algebra.
This course introduces tools that mathematical scientists use with vectors and matrices. Applications include least squares and eigenvalue problems, and systems of equations from applied mathematics. The stability of algorithms to perturbations are considered. Theory is balanced with numerically implementing algorithms, in particular for iterative methods for large, sparse systems. Prerequisite: MATH 3377 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5376A. Design and Analysis of Experiments.
This course introduces fundamental concepts in the design of experiments, justification of linear models, randomization and principles of blocking. It also discusses the construction and analysis of basic designs including fractional replication, composite designs, factorial designs, and incomplete block designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376B. Analysis of Variance.
This course introduces basic methods, one-way, two-way ANOVA procedures, and multifactor ANOVA designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376C. Survival Analysis.
This course introduces basic concepts and methods in the analysis of survival data. Topics include characteristics of survival data, basic functions, parametric models for survival time, maximum likelihood estimation of survival function, two-sample test techniques, regression analysis with parametric and semi-parametric models, and mathematical and graphical methods for model checking. Prerequisite: Math 5315; or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5376D. Statistical Applications in Genetics and Bioinformatics.
The statistical concepts and methods to be covered include important probability distributions, analysis of variance, regression analysis, hidden Markov model, and Markov Chain Monte Carlo methods. These methods will be used to address important and challenging questions arising in the analysis of large genetic and bioinformatic datasets. Prerequisite: Math4305 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5381. Foundations of Set Theory.
A formal study of the theory of sets, relations, functions, finite and infinite sets, set operations and other selected topics. This course will also train the student in the understanding of mathematical logic and the writing of proofs. Prerequisite:MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5382. Foundation of Real Analysis.
A course covering the foundations of mathematical analysis. Topics include: real numbers, sequences, series, and limits and continuity of functions. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5384. Geometric Approach to Abstract Algebra.
Definitions and elementary properties of groups, rings, integral domains, fields and vector spaces with great emphasis on the rings of integers, rational numbers, complex numbers, polynomials, and the interplay between algebra and geometry. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5386. Knots and Surfaces, An Introduction to Low-Dimensional Topology.
Knot polynomials and other knot invariants. The topological classification of surfaces and topological invariants of surfaces. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5388. Discrete Mathematics.
This course covers topics from: basic and advanced techniques of counting, recurrence relations, discrete probability and statistics, and applications of graph theory. Prerequisites: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5390. Statistics.
This course will cover not only some of the basic statistical ideas and techniques but also the mathematical and probabilistic underpinnings of these techniques with an emphasis on simulations and modeling. The planning, conducting, analysis, and reporting of experimental data will also be covered. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5392. Survey of Geometries.
A study of topics in geometry including geometrical transformations, the geometry fractals, projective geometry, Euclidean geometry, and non-Euclidean geometry. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5393. Numerical Optimization.
This course focuses on optimization methods for a broad range of applications, such as engineering and applied sciences. Subjects are the basic theory of optimization, numerical algorithms to locate points satisfying optimality conditions and to analyze the convergence properties. Prerequisites: MATH 2472 and MATH 3377 and MATH 3383, all with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5399A. Thesis.
This course represents a student’s initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Mathematics 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5399B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5599B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Mathematics for Teacher Education (MTE)

MTE 5301E. Visual Models for Middle School Mathematics.
This course uses visual models to motivate understanding of the fundamental concepts underlying middle school mathematics. Pedagogical techniques to engage middle school students will also be addressed including inquiry-based instructional methods utilizing these visual models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301F. Implementing New Mathematics Curriculum.
In this course we will investigate the keys to successfully implementing new curriculum. Two main aspects considered are: 1) the mathematical content knowledge required for a new curriculum and 2) how to build a community of practice which provides support during the implementation process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301G. Mathematics for Teaching.
A study of the current trends and topics found in the secondary school mathematics curriculum taught from an advance perspective. Course context will be flexible and topics will be selected on the basis of student needs and interests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5302A. Quantitative Reasoning.
This course covers current pedagogy, curriculum, and methods related specifically to the teaching of middle school mathematics. Some of the topics explored are curriculum theory, instructional theory, learning theory, problem solving, national and state standards and assessment, discovery learning, assessment methods, manipulative, and technology in the classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5311. Quantitative Reasoning.
This course will focus on numerical reasoning and problem solving with particular attention being placed on strategies for solving problems, methods for mental computation and computational estimation, and algorithmic processes being taught in a studentcentered atmosphere where teachers are free to take risks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5313. Geometry and Measurement.
This course will focus on using spatial reasoning to investigate the concepts of direction, orientation, shape and structure; using mathematical reasoning to develop and prove geometric relationships; using logical reasoning and proof in relation to the axiomatic structure of geometry; using measurement of geometry concepts to solve real-world problems. 5315 Algebraic Reasoning. (3-0) This course will focus on using algebraic reasoning to.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5315. Algebraic Reasoning.
This course will focus on using algebraic reasoning to investigate patterns, make generalizations, formulate mathematical models, and make predications; using properties, graphs, and applications of relations and function to analyze, model and solve problems; and making connections among geometric, graphic, numeric and symbolic representation of functions and relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5317. Math Modeling.
This course will focus on modeling problems, applying appropriate mathematical analysis and drawing conclusions from the analysis; solving problems recursively, using linear and non-linear functions and using geometry and discrete mathematics to solve problems in Science, Music, and Art. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5319. Concepts of Calculus.
A first course in differential and integral calculus. The student will explore the slope of secant lines, average velocity, limit, instantaneous velocity, derivative, slope of a curve at a point, area under a graph, integrals, fundamental theorem of calculus, and applications. Prerequisite: MTE 5317 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5321. Probability and Statistics.
This course will deal with using graphical and numerical techniques to explore date, characterize patterns, and describe departures from patterns; designing experiments to solve problems; understanding the theory of probability and its relationship to sampling and statistical inference and its use in making and evaluating predication. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5323. Logic and Foundations of Mathematics.
This course will consist of an introduction to fundamental mathematical structures and techniques of proof. Topics will include: logic, set theory, number theory, relations, and functions. Emphasis will be placed on communication about mathematics and construction of well-reasoned explanations. Prerequisite: MTE 5313 and MTE 5319 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Mathematics (Thesis Option)

Program Overview

Texas State offers opportunities to work with outstanding faculty in a collegial atmosphere where mathematicians and mathematics educators work closely together. The multi-faceted programs offer a strong mathematics foundation and research opportunities in mathematics and mathematics education, preparing students for further graduate study, teaching, or industry positions.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mathematics or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses
- official GRE (general test) with competitive scores in the verbal reasoning and quantitative reasoning sections
- effective spring 2020, GRE not required
- resume/CV
- statement of purpose
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Mathematics requires 30 semester credit hours, including a thesis.

Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
MATH 5307	Modern Algebra	3
MATH 5329	General Topology	3
or MATH 5331	Metric Spaces	
MATH 5373	Theory of Functions of Real Variables	3
Electives		
Choose 15 hours from the following:		15
MATH 5301	Partial Differential Equations	
MATH 5305	Advanced Course in Probability and Statistics	
MATH 5306	Ring Theory	
MATH 5311	Foundations of Differential Equations	
MATH 5312	Functions of a Complex Variable	
MATH 5313	Field Theory	
MATH 5314	Number Theory	
MATH 5319	The Theory of Integration	
MATH 5336	Studies in Applied Mathematics	
MATH 5340	Scientific Computation	
MATH 5345	Regression Analysis	
MATH 5350	Combinatorics	
MATH 5355	Applied and Algorithmic Graph Theory	
MATH 5358	Applied Discrete Mathematics	
MATH 5360	Mathematical Modeling	
MATH 5374	Numerical Linear Algebra	
MATH 5376A	Design and Analysis of Experiments	
or MATH 5376B	Analysis of Variance	
MATH 5376C	Survival Analysis	
MATH 5376D	Statistical Applications in Genetics and Bioinformatics	
MATH 5382	Foundation of Real Analysis	
MATH 5390	Statistics	
MATH 5393	Numerical Optimization	
Thesis		
MATH 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
MATH 5199B	Thesis	
MATH 5299B	Thesis	
MATH 5399B	Thesis	
MATH 5599B	Thesis	
MATH 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with

the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Mathematics: MATH (p. 2641), MTE (p.)

Courses Offered

Mathematics (MATH)

MATH 5111. Graduate Assistant Training.
This course is concerned with techniques used in the teaching of mathematics. This course is required as a condition of employment for graduate teaching and instructional assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5301. Partial Differential Equations.
Theory and application of partial differential equations; derivation of the differential equation; use of vector and Tensor methods; equations of the first order; wave equations; vibrations and normal functions; Fourier series and integral; Cauchy's methods, initial data; methods of Green; potentials; boundary problems; methods of Riemann-Volterra; characteristics. Prerequisites: MATH 3323 and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5303. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress. Cannot be used on a degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5304. Topics in Mathematics for the Secondary Teacher.
A study of the current trends and topics found in the secondary school mathematics curriculum with the goal of improving the mathematical background of the secondary teacher. Course content will be flexible and topics will be selected on the basis of student needs and interests. Cannot be used on degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5305. Advanced Course in Probability and Statistics.
Advanced topics in probability and statistics. May be repeated once with different emphasis for additional credit. Prerequisite: MATH 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5306. Ring Theory.
Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5307. Modern Algebra.
Topics in modern algebra. Material will be adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5311. Foundations of Differential Equations.
A critical study of the foundations of derivation equations, operator spaces, and such basic topics. Recent developments in this field will be investigated and independent investigation will be encouraged. Prerequisite: MATH 3373 with a grade of "C" or better, and either MATH 3380 or MATH 5382.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5312. Functions of a Complex Variable.
Modern developments in the field of a complex variable. Prerequisite: MATH 3373 with a grade of "C" or better; and MATH 3380 or MATH 5382; and MATH 4315 or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5313. Field Theory.
Topics in field theory, separable extensions, and Galois Theory. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5314. Number Theory.
Topics in algebra selected from quadratic forms, elementary number theory, algebraic or analytic number theory, with material adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5315. Mathematical Statistics.
This course discusses theoretical aspects of estimation theory and hypothesis testing procedures, with some of their important applications. The main topics include convergence of random variables, parameter estimation, properties of estimators, interval estimation, sufficiency and applications to the exponential family, hypothesis testing, decision theory, and Bayesian inference. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5317. Problems in Advanced Mathematics.
Open to graduate students on an individual basis by arrangement with the mathematics department. A considerable degree of mathematical maturity is required. May be repeated with different emphasis. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 5319. The Theory of Integration.
A course in the theory of integration with special emphasis on the Lebesgue integrals. A course in the theory of real variables, with a knowledge of point set theory, is desirable as a background for this course. A considerable amount of mathematical maturity is required. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5329. General Topology.
Point-set topology with an emphasis on general topological spaces; separation axioms, connectivity, the metrization theorem, and the C-W complexes. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5331. Metric Spaces.
Point-set topology with an emphasis on metric spaces and compactness but including a brief introduction to general topological spaces. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5336. Studies in Applied Mathematics.
Topics selected from optimization and control theory, numerical analysis, calculus of variations, boundary value problems, special functions, or tensor analysis. May be repeated with different emphasis for additional credit. Prerequisites: Six hours of advanced mathematics pertinent to topic and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5340. Scientific Computation.
This course will involve the analysis of algorithms from science and mathematics, and the implementation of these algorithms using a computer algebra system. Symbolic numerical and graphical techniques will be studied. Applications will be drawn from science, engineering, and mathematics. A knowledge of differential equations is expected. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MATH 5345. Regression Analysis.
This course introduces formulation and statistical methodologies for simple and multiple regression, assessment of model fit, model design, and criteria for selection of optimal regression models. Students will develop skills with the use of statistical packages and the writing of reports analyzing a variety of real-world data. Prerequisite: MATH 2472.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5350. Combinatorics.
This course, covers permutations, combinations, Stirling numbers, chromatic numbers, Ramsey numbers, generating functions, Polya theory, Latin squares and random block design. Prerequisite: MATH 3398 or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5355. Applied and Algorithmic Graph Theory.
This course is designed to emphasize the close tie between the theoretical and algorithmic aspects. The topics may include basic concepts such as connectivity, trees, planarity, coloring of graphs, matchings, and networks. It also covers many algorithms such as Max-flow Min-cut algorithm, maximum matching algorithm, and optimization algorithms for facility location problems in networks. Prerequisite: MATH 5388 or MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5358. Applied Discrete Mathematics.
Boolean algebra, counting techniques, discrete probability, graph theory, and related discrete mathematical structures that are commonly encountered in computer science. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5360. Mathematical Modeling.
This course introduces the process and techniques of mathematical modeling. It covers a variety of application areas from the natural sciences. Emphasis is placed on deterministic systems, stochastic models, and diffusion. Prerequisite: MATH 3373, MATH 3323, and MATH 5301, or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5373. Theory of Functions of Real Variables.
This course will discuss those topics that will enable the student to obtain a better grasp of the fundamental concepts of the calculus of real variables and the more recent developments of this analysis. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5374. Numerical Linear Algebra.
This course introduces tools that mathematical scientists use with vectors and matrices. Applications include least squares and eigenvalue problems, and systems of equations from applied mathematics. The stability of algorithms to perturbations are considered. Theory is balanced with numerically implementing algorithms, in particular for iterative methods for large, sparse systems. Prerequisite: MATH 3377 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5376A. Design and Analysis of Experiments.
This course introduces fundamental concepts in the design of experiments, justification of linear models, randomization and principles of blocking. It also discusses the construction and analysis of basic designs including fractional replication, composite designs, factorial designs, and incomplete block designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376B. Analysis of Variance.
This course introduces basic methods, one-way, two-way ANOVA procedures, and multifactor ANOVA designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376C. Survival Analysis.
This course introduces basic concepts and methods in the analysis of survival data. Topics include characteristics of survival data, basic functions, parametric models for survival time, maximum likelihood estimation of survival function, two-sample test techniques, regression analysis with parametric and semi-parametric models, and mathematical and graphical methods for model checking. Prerequisite: Math 5315; or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5376D. Statistical Applications in Genetics and Bioinformatics.
The statistical concepts and methods to be covered include important probability distributions, analysis of variance, regression analysis, hidden Markov model, and Markov Chain Monte Carlo methods. These methods will be used to address important and challenging questions arising in the analysis of large genetic and bioinformatic datasets. Prerequisite: Math4305 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5381. Foundations of Set Theory.
A formal study of the theory of sets, relations, functions, finite and infinite sets, set operations and other selected topics. This course will also train the student in the understanding of mathematical logic and the writing of proofs. Prerequisite:MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5382. Foundation of Real Analysis.
A course covering the foundations of mathematical analysis. Topics include: real numbers, sequences, series, and limits and continuity of functions. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5384. Geometric Approach to Abstract Algebra.
Definitions and elementary properties of groups, rings, integral domains, fields and vector spaces with great emphasis on the rings of integers, rational numbers, complex numbers, polynomials, and the interplay between algebra and geometry. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5386. Knots and Surfaces, An Introduction to Low-Dimensional Topology.
Knot polynomials and other knot invariants. The topological classification of surfaces and topological invariants of surfaces. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5388. Discrete Mathematics.
This course covers topics from: basic and advanced techniques of counting, recurrence relations, discrete probability and statistics, and applications of graph theory. Prerequisites: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5390. Statistics.
This course will cover not only some of the basic statistical ideas and techniques but also the mathematical and probabilistic underpinnings of these techniques with an emphasis on simulations and modeling. The planning, conducting, analysis, and reporting of experimental data will also be covered. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5392. Survey of Geometries.
A study of topics in geometry including geometrical transformations, the geometry fractals, projective geometry, Euclidean geometry, and non-Euclidean geometry. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5393. Numerical Optimization.
This course focuses on optimization methods for a broad range of applications, such as engineering and applied sciences. Subjects are the basic theory of optimization, numerical algorithms to locate points satisfying optimality conditions and to analyze the convergence properties. Prerequisites: MATH 2472 and MATH 3377 and MATH 3383, all with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Mathematics 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Mathematics for Teacher Education (MTE)

MTE 5301E. Visual Models for Middle School Mathematics.
This course uses visual models to motivate understanding of the fundamental concepts underlying middle school mathematics. Pedagogical techniques to engage middle school students will also be addressed including inquiry-based instructional methods utilizing these visual models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301F. Implementing New Mathematics Curriculum.
In this course we will investigate the keys to successfully implementing new curriculum. Two main aspects considered are: 1) the mathematical content knowledge required for a new curriculum and 2) how to build a community of practice which provides support during the implementation process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301G. Mathematics for Teaching.
A study of the current trends and topics found in the secondary school mathematics curriculum taught from an advance perspective. Course context will be flexible and topics will be selected on the basis of student needs and interests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5302A. Quantitative Reasoning.
This course covers current pedagogy, curriculum, and methods related specifically to the teaching of middle school mathematics. Some of the topics explored are curriculum theory, instructional theory, learning theory, problem solving, national and state standards and assessment, discovery learning, assessment methods, manipulative, and technology in the classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5311. Quantitative Reasoning.
This course will focus on numerical reasoning and problem solving with particular attention being placed on strategies for solving problems, methods for mental computation and computational estimation, and algorithmic processes being taught in a studentcentered atmosphere where teachers are free to take risks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5313. Geometry and Measurement.
This course will focus on using spatial reasoning to investigate the concepts of direction, orientation, shape and structure; using mathematical reasoning to develop and prove geometric relationships; using logical reasoning and proof in relation to the axiomatic structure of geometry; using measurement of geometry concepts to solve real-world problems. 5315 Algebraic Reasoning. (3-0) This course will focus on using algebraic reasoning to.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5315. Algebraic Reasoning.
This course will focus on using algebraic reasoning to investigate patterns, make generalizations, formulate mathematical models, and make predications; using properties, graphs, and applications of relations and function to analyze, model and solve problems; and making connections among geometric, graphic, numeric and symbolic representation of functions and relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5317. Math Modeling.
This course will focus on modeling problems, applying appropriate mathematical analysis and drawing conclusions from the analysis; solving problems recursively, using linear and non-linear functions and using geometry and discrete mathematics to solve problems in Science, Music, and Art. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5319. Concepts of Calculus.
A first course in differential and integral calculus. The student will explore the slope of secant lines, average velocity, limit, instantaneous velocity, derivative, slope of a curve at a point, area under a graph, integrals, fundamental theorem of calculus, and applications. Prerequisite: MTE 5317 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5321. Probability and Statistics.
This course will deal with using graphical and numerical techniques to explore date, characterize patterns, and describe departures from patterns; designing experiments to solve problems; understanding the theory of probability and its relationship to sampling and statistical inference and its use in making and evaluating predication. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5323. Logic and Foundations of Mathematics.
This course will consist of an introduction to fundamental mathematical structures and techniques of proof. Topics will include: logic, set theory, number theory, relations, and functions. Emphasis will be placed on communication about mathematics and construction of well-reasoned explanations. Prerequisite: MTE 5313 and MTE 5319 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Master of Science (M.S.) Major in Mathematics (Thesis Minor Option)

Program Overview

Texas State offers opportunities to work with outstanding faculty in a collegial atmosphere where mathematicians and mathematics educators work closely together. The multi-faceted programs offer a strong mathematics foundation and research opportunities in mathematics and mathematics education, preparing students for further graduate study, teaching, or industry positions.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree in mathematics or a related field from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections
- effective spring 2020, GRE not required
- resume/CV
- statement of purpose
- three letters of recommendation addressing the substance and quality of the student's preparation for graduate study

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Mathematics requires 30 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
MATH 5307	Modern Algebra	3
MATH 5329	General Topology	3
or MATH 5331	Metric Spaces	
MATH 5373	Theory of Functions of Real Variables	3
Electives		
Choose 9 hours from the following:		9
MATH 5301	Partial Differential Equations	
MATH 5305	Advanced Course in Probability and Statistics	
MATH 5306	Ring Theory	
MATH 5311	Foundations of Differential Equations	
MATH 5312	Functions of a Complex Variable	
MATH 5313	Field Theory	
MATH 5314	Number Theory	
MATH 5319	The Theory of Integration	
MATH 5336	Studies in Applied Mathematics	
MATH 5340	Scientific Computation	
MATH 5345	Regression Analysis	
MATH 5350	Combinatorics	
MATH 5355	Applied and Algorithmic Graph Theory	
MATH 5358	Applied Discrete Mathematics	
MATH 5360	Mathematical Modeling	
MATH 5374	Numerical Linear Algebra	
MATH 5376A	Design and Analysis of Experiments	
or MATH 5376B	Analysis of Variance	
MATH 5376C	Survival Analysis	
MATH 5376D	Statistical Applications in Genetics and Bioinformatics	
MATH 5382	Foundation of Real Analysis	
MATH 5390	Statistics	
MATH 5393	Numerical Optimization	
Thesis		

MATH 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
MATH 5199B	Thesis	
MATH 5299B	Thesis	
MATH 5399B	Thesis	
MATH 5599B	Thesis	
MATH 5999B	Thesis	
Minor		
Choose a 6-hour advisor-approved minor		6
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form

- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Mathematics: MATH (p. 2647), MTE (p.)

Courses Offered

Mathematics (MATH)

MATH 5111. Graduate Assistant Training.
This course is concerned with techniques used in the teaching of mathematics. This course is required as a condition of employment for graduate teaching and instructional assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5301. Partial Differential Equations.
Theory and application of partial differential equations; derivation of the differential equation; use of vector and Tensor methods; equations of the first order; wave equations; vibrations and normal functions; Fourier series and integral; Cauchy's methods, initial data; methods of Green; potentials; boundary problems; methods of Riemann-Volterra; characteristics. Prerequisites: MATH 3323 and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5303. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress. Cannot be used on a degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5304. Topics in Mathematics for the Secondary Teacher.
A study of the current trends and topics found in the secondary school mathematics curriculum with the goal of improving the mathematical background of the secondary teacher. Course content will be flexible and topics will be selected on the basis of student needs and interests. Cannot be used on degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5305. Advanced Course in Probability and Statistics.
Advanced topics in probability and statistics. May be repeated once with different emphasis for additional credit. Prerequisite: MATH 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5306. Ring Theory.
Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5307. Modern Algebra.
Topics in modern algebra. Material will be adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5311. Foundations of Differential Equations.
A critical study of the foundations of derivation equations, operator spaces, and such basic topics. Recent developments in this field will be investigated and independent investigation will be encouraged. Prerequisite: MATH 3373 with a grade of "C" or better, and either MATH 3380 or MATH 5382.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5312. Functions of a Complex Variable.
Modern developments in the field of a complex variable. Prerequisite: MATH 3373 with a grade of "C" or better; and MATH 3380 or MATH 5382; and MATH 4315 or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5313. Field Theory.
Topics in field theory, separable extensions, and Galois Theory. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5314. Number Theory.
Topics in algebra selected from quadratic forms, elementary number theory, algebraic or analytic number theory, with material adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5315. Mathematical Statistics.
This course discusses theoretical aspects of estimation theory and hypothesis testing procedures, with some of their important applications. The main topics include convergence of random variables, parameter estimation, properties of estimators, interval estimation, sufficiency and applications to the exponential family, hypothesis testing, decision theory, and Bayesian inference. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5317. Problems in Advanced Mathematics.
Open to graduate students on an individual basis by arrangement with the mathematics department. A considerable degree of mathematical maturity is required. May be repeated with different emphasis. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 5319. The Theory of Integration.
A course in the theory of integration with special emphasis on the Lebesgue integrals. A course in the theory of real variables, with a knowledge of point set theory, is desirable as a background for this course. A considerable amount of mathematical maturity is required. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5329. General Topology.
Point-set topology with an emphasis on general topological spaces; separation axioms, connectivity, the metrization theorem, and the C-W complexes. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5331. Metric Spaces.
Point-set topology with an emphasis on metric spaces and compactness but including a brief introduction to general topological spaces. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5336. Studies in Applied Mathematics.
Topics selected from optimization and control theory, numerical analysis, calculus of variations, boundary value problems, special functions, or tensor analysis. May be repeated with different emphasis for additional credit. Prerequisites: Six hours of advanced mathematics pertinent to topic and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5340. Scientific Computation.
This course will involve the analysis of algorithms from science and mathematics, and the implementation of these algorithms using a computer algebra system. Symbolic numerical and graphical techniques will be studied. Applications will be drawn from science, engineering, and mathematics. A knowledge of differential equations is expected. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MATH 5345. Regression Analysis.
This course introduces formulation and statistical methodologies for simple and multiple regression, assessment of model fit, model design, and criteria for selection of optimal regression models. Students will develop skills with the use of statistical packages and the writing of reports analyzing a variety of real-world data. Prerequisite: MATH 2472.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5350. Combinatorics.
This course, covers permutations, combinations, Stirling numbers, chromatic numbers, Ramsey numbers, generating functions, Polya theory, Latin squares and random block design. Prerequisite: MATH 3398 or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5355. Applied and Algorithmic Graph Theory.
This course is designed to emphasize the close tie between the theoretical and algorithmic aspects. The topics may include basic concepts such as connectivity, trees, planarity, coloring of graphs, matchings, and networks. It also covers many algorithms such as Max-flow Min-cut algorithm, maximum matching algorithm, and optimization algorithms for facility location problems in networks. Prerequisite: MATH 5388 or MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5358. Applied Discrete Mathematics.
Boolean algebra, counting techniques, discrete probability, graph theory, and related discrete mathematical structures that are commonly encountered in computer science. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5360. Mathematical Modeling.
This course introduces the process and techniques of mathematical modeling. It covers a variety of application areas from the natural sciences. Emphasis is placed on deterministic systems, stochastic models, and diffusion. Prerequisite: MATH 3373, MATH 3323, and MATH 5301, or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5373. Theory of Functions of Real Variables.
This course will discuss those topics that will enable the student to obtain a better grasp of the fundamental concepts of the calculus of real variables and the more recent developments of this analysis. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5374. Numerical Linear Algebra.
This course introduces tools that mathematical scientists use with vectors and matrices. Applications include least squares and eigenvalue problems, and systems of equations from applied mathematics. The stability of algorithms to perturbations are considered. Theory is balanced with numerically implementing algorithms, in particular for iterative methods for large, sparse systems. Prerequisite: MATH 3377 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5376A. Design and Analysis of Experiments.
This course introduces fundamental concepts in the design of experiments, justification of linear models, randomization and principles of blocking. It also discusses the construction and analysis of basic designs including fractional replication, composite designs, factorial designs, and incomplete block designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376B. Analysis of Variance.
This course introduces basic methods, one-way, two-way ANOVA procedures, and multifactor ANOVA designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376C. Survival Analysis.
This course introduces basic concepts and methods in the analysis of survival data. Topics include characteristics of survival data, basic functions, parametric models for survival time, maximum likelihood estimation of survival function, two-sample test techniques, regression analysis with parametric and semi-parametric models, and mathematical and graphical methods for model checking. Prerequisite: Math 5315; or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5376D. Statistical Applications in Genetics and Bioinformatics.
The statistical concepts and methods to be covered include important probability distributions, analysis of variance, regression analysis, hidden Markov model, and Markov Chain Monte Carlo methods. These methods will be used to address important and challenging questions arising in the analysis of large genetic and bioinformatic datasets. Prerequisite: Math4305 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5381. Foundations of Set Theory.
A formal study of the theory of sets, relations, functions, finite and infinite sets, set operations and other selected topics. This course will also train the student in the understanding of mathematical logic and the writing of proofs. Prerequisite:MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5382. Foundation of Real Analysis.
A course covering the foundations of mathematical analysis. Topics include: real numbers, sequences, series, and limits and continuity of functions. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5384. Geometric Approach to Abstract Algebra.
Definitions and elementary properties of groups, rings, integral domains, fields and vector spaces with great emphasis on the rings of integers, rational numbers, complex numbers, polynomials, and the interplay between algebra and geometry. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5386. Knots and Surfaces, An Introduction to Low-Dimensional Topology.
Knot polynomials and other knot invariants. The topological classification of surfaces and topological invariants of surfaces. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5388. Discrete Mathematics.
This course covers topics from: basic and advanced techniques of counting, recurrence relations, discrete probability and statistics, and applications of graph theory. Prerequisites: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5390. Statistics.
This course will cover not only some of the basic statistical ideas and techniques but also the mathematical and probabilistic underpinnings of these techniques with an emphasis on simulations and modeling. The planning, conducting, analysis, and reporting of experimental data will also be covered. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5392. Survey of Geometries.
A study of topics in geometry including geometrical transformations, the geometry fractals, projective geometry, Euclidean geometry, and non-Euclidean geometry. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5393. Numerical Optimization.
This course focuses on optimization methods for a broad range of applications, such as engineering and applied sciences. Subjects are the basic theory of optimization, numerical algorithms to locate points satisfying optimality conditions and to analyze the convergence properties. Prerequisites: MATH 2472 and MATH 3377 and MATH 3383, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Mathematics 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Mathematics for Teacher Education (MTE)

MTE 5301E. Visual Models for Middle School Mathematics.
This course uses visual models to motivate understanding of the fundamental concepts underlying middle school mathematics. Pedagogical techniques to engage middle school students will also be addressed including inquiry-based instructional methods utilizing these visual models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301F. Implementing New Mathematics Curriculum.
In this course we will investigate the keys to successfully implementing new curriculum. Two main aspects considered are: 1) the mathematical content knowledge required for a new curriculum and 2) how to build a community of practice which provides support during the implementation process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301G. Mathematics for Teaching.
A study of the current trends and topics found in the secondary school mathematics curriculum taught from an advance perspective. Course context will be flexible and topics will be selected on the basis of student needs and interests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5302A. Quantitative Reasoning.
This course covers current pedagogy, curriculum, and methods related specifically to the teaching of middle school mathematics. Some of the topics explored are curriculum theory, instructional theory, learning theory, problem solving, national and state standards and assessment, discovery learning, assessment methods, manipulative, and technology in the classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5311. Quantitative Reasoning.
This course will focus on numerical reasoning and problem solving with particular attention being placed on strategies for solving problems, methods for mental computation and computational estimation, and algorithmic processes being taught in a studentcentered atmosphere where teachers are free to take risks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5313. Geometry and Measurement.
This course will focus on using spatial reasoning to investigate the concepts of direction, orientation, shape and structure; using mathematical reasoning to develop and prove geometric relationships; using logical reasoning and proof in relation to the axiomatic structure of geometry; using measurement of geometry concepts to solve real-world problems. 5315 Algebraic Reasoning. (3-0) This course will focus on using algebraic reasoning to.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5315. Algebraic Reasoning.
This course will focus on using algebraic reasoning to investigate patterns, make generalizations, formulate mathematical models, and make predications; using properties, graphs, and applications of relations and function to analyze, model and solve problems; and making connections among geometric, graphic, numeric and symbolic representation of functions and relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5317. Math Modeling.
This course will focus on modeling problems, applying appropriate mathematical analysis and drawing conclusions from the analysis; solving problems recursively, using linear and non-linear functions and using geometry and discrete mathematics to solve problems in Science, Music, and Art. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5319. Concepts of Calculus.
A first course in differential and integral calculus. The student will explore the slope of secant lines, average velocity, limit, instantaneous velocity, derivative, slope of a curve at a point, area under a graph, integrals, fundamental theorem of calculus, and applications. Prerequisite: MTE 5317 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5321. Probability and Statistics.
This course will deal with using graphical and numerical techniques to explore date, characterize patterns, and describe departures from patterns; designing experiments to solve problems; understanding the theory of probability and its relationship to sampling and statistical inference and its use in making and evaluating predication. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5323. Logic and Foundations of Mathematics.
This course will consist of an introduction to fundamental mathematical structures and techniques of proof. Topics will include: logic, set theory, number theory, relations, and functions. Emphasis will be placed on communication about mathematics and construction of well-reasoned explanations. Prerequisite: MTE 5313 and MTE 5319 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Minor in Mathematics

The graduate minor in Mathematics requires 15 semester credit hours of advisor-approved MATH courses. Minors should have completed the equivalent of an undergraduate minor in Mathematics (Calculus I and Calculus II and three upper-level courses).

Department of Physics

Roy F. Mitte Building Room 3240
T: 512.245.2131 F: 512.245.8233
http://www.txstate.edu/physics/

The Department of Physics strives to provide an exciting, rigorous educational environment that stresses relevant research, classroom learning, extensive use of peer instruction, and opportunities for work in industrial settings. Our faculty members conduct research in condensed matter physics, physics education, and historical astronomy.

Graduate students are involved in research as part of their degree plans. We have state-of-the-art research facilities, both within the department and shared user laboratories that provide meaningful experiences for our students, as well as dedicated faculty who work closely with students.

Our master's graduates can continue to an innovative, multidisciplinary Ph.D. program in materials science, engineering, and commercialization offered at Texas State.

Financial Assistance

Assistantships are available on a limited basis, and applications should be submitted by the posted priority application deadline. Inquiries and/or applications for assistantships should be mailed to:

Chair, Department of Physics
Texas State University
601 University Drive
San Marcos, Texas 78666

For more information about the availability of graduate scholarships and application deadlines, visit http://www.gradcollege.txstate.edu/Prospect_Students/Pgms_Apps.html.

Master of Science (M.S.)

- Major in Physics (Materials Physics Concentration Thesis Option) (p. 2651)
- Major in Physics (Non-thesis Option) (p. 2656)
- Major in Physics (Non-thesis Science Minor Option) (p. 2659)
- Major in Physics (Thesis Option) (p. 2663)
- Major in Physics (Thesis Science Minor Option) (p. 2672)

Minors

- Materials Physics (p. 2676)
- Physics (p. 2677)

Master of Science (M.S.) Major in Physics (Material Physics Concentration Thesis Option)

A solid physics foundation combined with extensive, hands-on training in state-of-the art nanofabrication and characterization facilities prepares students for careers in the local high-tech industry, science education or advanced studies. Students are engaged in research and gain superior graduate education with individual faculty attention and mentoring.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university

- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in junior and senior level physics courses in modern physics, mathematical physics or equivalent, classical mechanics, electromagnetic field theory, and quantum mechanics*
- GRE not required*
- resume/CV
- statement of purpose
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the physics GPA falls below the minimum requirement of 3.0, the student may submit the following to be considered for conditional admission:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

Degree Requirements

The Master of Science (M.S.) degree with a major in Physics concentration in material physics requires 30 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
PHYS 5312	ADVANCED QUANTUM MECHANICS	3
PHYS 5313	Mathematical Methods of Physics	3
PHYS 5314	Statistical Physics	3
PHYS 5331	Electromagnetic Field Theory	3
Electives		
Choose 9 hours from the following:		9
PHYS 5320	Solid State Physics	
PHYS 5322	Semiconductor Device Microfabrication	
PHYS 5324	Thin Film Synthesis and Characterization Laboratory	
PHYS 5327	Semiconductor Device Physics	
PHYS 5350C	Characterization of Materials	
PHYS 5404		
Free Electives		
Choose 3 hours of advisor-approved electives		3
Thesis		
PHYS 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
PHYS 5199B	Thesis	
PHYS 5299B	Thesis	
PHYS 5399B	Thesis	
PHYS 5599B	Thesis	
PHYS 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect

the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Physics: PHYS

Courses Offered

Physics (PHYS)

PHYS 5100. Professional Development.
This course covers topics related to teaching, research, and employment responsibilities. The completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Courrse is repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHYS 5110. Seminar in Physics.
A course designed to acquaint the graduate student with current research areas in physics. May be repeated twice for total of three semester hour's credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5195. Fundamentals of Research.
This course is designed to acquaint the graduate student with materials and methods of physics research. It is open to graduate students on an individual basis by arrangement with the department of Physics. This course may be repeated with prior approval of the department. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5200. Professional Development.
This course covers topics related to teaching, research, and employment rights and responsibilities. It provides a brief background on teaching and learning theories and consists of organized practice teaching. Completion is required as a condition of employment for graduate instructional and teaching assistants. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHYS 5295. Fundamentals of Research.
This course is designed to acquaint the graduate student with materials and methods of physics research. It is open to graduate students on an individual basis by arrangement with the department of Physics. This course may be repeated with prior approval of the department. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5301. Classical Mechanics.
This course discusses the fundamentals of classical mechanics focusing on the physical description of the behavior of single and multiple particle systems. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5302. Electricity and Magnetism.
An introduction to the electromagnetic field theory of classical physics for static fields. Topics included will be the electrostatic field, polarization and dielectrics, electrostatic energy, magnetic field of steady currents, magneto static energy, and magnetic properties of matter. This is a graduate leveling course in Electricity and Magnetism (stacked with PHYS 4310). This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5303. Quantum Mechanics.
This course is an introduction to quantum mechanics. Topics include mathematical foundations, fundamental postulates, time development, and one dimensional problems. This is a graduate leveling course in Quantum Mechanics (stacked with PHYS 4312). This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5304. Experimental Research Methods.
This is a laboratory based course introducing experimental methods used in physics research with emphasis on quantum effects through materials synthesis and characterization methods. The specific experiments are chosen by department faculty on topics of current research interests. The students are exposed to different research topics through laboratory rotations. Prerequisite: Instructor approval. Corequisite: PHYS 5314 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5312. Advanced Quantum Mechanics.
This course is a study of quantum mechanics including combination of two or more quantum mechanical systems, addition of angular momentum, time independent perturbation theory, and time dependent perturbation theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5313. Mathematical Methods of Physics.
This course is a survey of mathematical methods of physics at the graduate level focusing on complex analysis of analytic functions (Laurent expansions and evaluation of residues) and methods of solving both ordinary and partial differential equations (Frobenius' method and Sturm-Liouville theory) with applications to mechanics and electromagnetic theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5314. Statistical Physics.
This course is an introduction to the laws of statistical physics and their application to realistic problems at the graduate level. The topics include a brief review of equilibrium thermodynamics, Gibbs distribution, Fermi-Dirac and Bose-Einstein statistics, derivation of Planck's Law and black-body radiation, and heat capacity of solids.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5320. Solid State Physics.
This is an introductory course at the graduate level intended for students who have not had a previous course in Solid State Physics. Topics covered include crystal structure, the reciprocal lattice, x-ray diffraction, lattice vibrations, electronic band structure, and optical, transport and magnetic properties of metals and semiconductors including applications. Prerequisite: PHYS 5312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5322. Semiconductor Device Microfabrication.
This course provides an in-depth overview of the physics and technology of semiconductor device micro and nano fabrication. Topics include materials used in electronic devices, thin film deposition, wet and dry etching, lithography processing, and topics relevant to semiconductor research and devices. Fabrication and characterization techniques will be covered. Corequisite: PHYS 5312 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

PHYS 5324. Thin Film Synthesis and Characterization Laboratory.
This advanced experimental course is designed as a research group project experience with emphasis on nanoscale device fabrication. All projects are conducted in university facilities with state-of-the-art thin film growth, processing, and characterization facilities. Corequisites: PHYS 5312 and PHYS 5322 both with grades of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5326. Electrical Characterization of Materials and Devices.
A laboratory/lecture course introducing electric characterization methods important to semiconductor materials and devices. Various measurement techniques and methods will be reviewed. Students will learn to work with industrial equipment. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5327. Semiconductor Device Physics.
This course demonstrates how solid state physics applies to describing important examples of thin film device operation with emphasis on semiconductor devices. Additional topics may include photon and phonon effects on electronic properties, quantum phenomena, many body effects in solids, carrier transport properties, micro-electromechanical systems, and materials interface issues. Corequisite: PHYS 5314 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5328. Advance Solid State Physics.
Review of models of a solid and energy band theory. Additional topics may include interaction of electromagnetic waves with solids, lattice vibrations and phonons, many body effects in solids, device physics, quantum phenomena, carrier transport properties, current device configurations, and materials interface problems. Prerequisite: PHYS 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5329. Physics of Materials Degradation and Reliability.
This course examines the material science of physical mechanisms governing the fundamental failure modes of materials, and particularly thin films. The application of materials physics characterization techniques for detecting the signatures of failure mechanisms will also be presented. Prerequisites: PHYS 5328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5331. Electromagnetic Field Theory.
This course is an introduction to electrodynamics at the graduate level using rigorous mathematical formulation. Topics include methods of solving problems in electrostatics and magnetostatics, boundary value problems and Green's Functions, fields in media, and Maxwell's Equations and time varying fields.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5340. Advanced Dynamics.
Classical mechanics at an advanced level. Topics covered may include special relativity in classical mechanics, Hamilton equation of motion, canonical transformations, and Hamilton-Jacobi theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5350A. Thin Film Photovoltaic Devices.
This course is a survey of the Physics of photovoltaic devices with emphasis on device physics including the photovoltaic effect, photon absorption, electrons and holes, generation and recombination, the pn-junction, charge separation, monocrystalline solar cells, thin film solar cells, and losses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350B. Relativity.
This course includes a review of Special Relativity, an introduction to the mathematics of tensor calculus and differential geometry, and such topics from General Relativity as the Schwarzschild solution and black holes, tests of General Relativity, cosmological models, and applications of relativity in the Global Positioning System (GPS).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350C. Characterization of Materials.
This course covers skills and knowledge required for microscopy methods including optical microscopy, scanning electron microscopy, scanning tunneling electron microscopy, atomic force microscopy, and confocal microscopy. It covers x-ray and neutron diffraction techniques including structure analysis, powder and glancing angle diffraction, pole figure, texture analysis, and small angle scattering.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350D. Cognitive Foundations of Physics Education Research.
This course is an introduction to research methods and theories in physics education research. Topics include conceptual metaphor and blending, cognitive linguistics, dual-process theory, and historical issues from the intellectual development of physics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5370. Problems in Advanced Physics.
Open to graduate students on an individual basis by arrangement with the Department of Physics. May be repeated with prior approval of the department. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5395. Fundamentals of Research.
Course is available to graduate students only at the invitation of the department. May be repeated with prior approval of the department. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5398. Industry Internship.
Supervised work experience in an appropriate high tech industry. Students will be required to keep a daily journal and make a final presentation (both written and oral) describing their accomplishments.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in PHYS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Physics (Non-thesis Option)

A solid physics foundation combined with extensive, hands-on training in state-of-the art nanofabrication and characterization facilities prepares students for careers in the local high-tech industry, science education or advanced studies. Students are engaged in research and gain superior graduate education with individual faculty attention and mentoring.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in junior and senior level physics courses in modern physics, mathematical physics or equivalent, classical mechanics, electromagnetic field theory, and quantum mechanics*
- GRE not required*
- resume/CV
- statement of purpose
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the physics GPA falls below the minimum requirement of 3.0, the student may submit the following to be considered for conditional admission:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

Degree Requirements

The Master of Science (M.S.) degree with a major in Physics requires 36 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
PHYS 5312	ADVANCED QUANTUM MECHANICS	3
PHYS 5313	Mathematical Methods of Physics	3
PHYS 5314	Statistical Physics	3
PHYS 5331	Electromagnetic Field Theory	3
Electives		
Choose 24 hours from the following:		24
PHYS 5110	Seminar in Physics	
PHYS 5195	Fundamentals of Research	
PHYS 5295	Fundamentals of Research	
PHYS 5320	Solid State Physics	
PHYS 5322	Semiconductor Device Microfabrication	
PHYS 5324	Thin Film Synthesis and Characterization Laboratory	
PHYS 5326	Electrical Characterization of Materials and Devices	
PHYS 5327	Semiconductor Device Physics	
PHYS 5328	Advance Solid State Physics	
PHYS 5329	Physics of Materials Degradation and Reliability	

PHYS 5340	Advanced Dynamics
PHYS 5350A	Thin Film Photovoltaic Devices
PHYS 5350B	Relativity
PHYS 5350C	Characterization of Materials
PHYS 5350D	Cognitive Foundations of Physics Education Research
PHYS 5370	Problems in Advanced Physics
PHYS 5395	Fundamentals of Research
PHYS 5398	Industry Internship
PHYS 5404	
Total Hours	36

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Physics: PHYS

Courses Offered

Physics (PHYS)

PHYS 5100. Professional Development.
This course covers topics related to teaching, research, and employment responsibilities. The completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Courrse is repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHYS 5110. Seminar in Physics.
A course designed to acquaint the graduate student with current research areas in physics. May be repeated twice for total of three semester hour's credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5195. Fundamentals of Research.
This course is designed to acquaint the graduate student with materials and methods of physics research. It is open to graduate students on an individual basis by arrangement with the department of Physics. This course may be repeated with prior approval of the department. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5200. Professional Development.
This course covers topics related to teaching, research, and employment rights and responsibilities. It provides a brief background on teaching and learning theories and consists of organized practice teaching. Completion is required as a condition of employment for graduate instructional and teaching assistants. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHYS 5295. Fundamentals of Research.
This course is designed to acquaint the graduate student with materials and methods of physics research. It is open to graduate students on an individual basis by arrangement with the department of Physics. This course may be repeated with prior approval of the department. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5301. Classical Mechanics.
This course discusses the fundamentals of classical mechanics focusing on the physical description of the behavior of single and multiple particle systems. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5302. Electricity and Magnetism.
An introduction to the electromagnetic field theory of classical physics for static fields. Topics included will be the electrostatic field, polarization and dielectrics, electrostatic energy, magnetic field of steady currents, magneto static energy, and magnetic properties of matter. This is a graduate leveling course in Electricity and Magnetism (stacked with PHYS 4310). This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5303. Quantum Mechanics.
This course is an introduction to quantum mechanics. Topics include mathematical foundations, fundamental postulates, time development, and one dimensional problems. This is a graduate leveling course in Quantum Mechanics (stacked with PHYS 4312). This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5304. Experimental Research Methods.
This is a laboratory based course introducing experimental methods used in physics research with emphasis on quantum effects through materials synthesis and characterization methods. The specific experiments are chosen by department faculty on topics of current research interests. The students are exposed to different research topics through laboratory rotations. Prerequisite: Instructor approval. Corequisite: PHYS 5314 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5312. Advanced Quantum Mechanics.
This course is a study of quantum mechanics including combination of two or more quantum mechanical systems, addition of angular momentum, time independent perturbation theory, and time dependent perturbation theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5313. Mathematical Methods of Physics.
This course is a survey of mathematical methods of physics at the graduate level focusing on complex analysis of analytic functions (Laurent expansions and evaluation of residues) and methods of solving both ordinary and partial differential equations (Frobenius' method and Sturm-Liouville theory) with applications to mechanics and electromagnetic theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5314. Statistical Physics.
This course is an introduction to the laws of statistical physics and their application to realistic problems at the graduate level. The topics include a brief review of equilibrium thermodynamics, Gibbs distribution, Fermi-Dirac and Bose-Einstein statistics, derivation of Planck's Law and black-body radiation, and heat capacity of solids.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5320. Solid State Physics.
This is an introductory course at the graduate level intended for students who have not had a previous course in Solid State Physics. Topics covered include crystal structure, the reciprocal lattice, x-ray diffraction, lattice vibrations, electronic band structure, and optical, transport and magnetic properties of metals and semiconductors including applications. Prerequisite: PHYS 5312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5322. Semiconductor Device Microfabrication.
This course provides an in-depth overview of the physics and technology of semiconductor device micro and nano fabrication. Topics include materials used in electronic devices, thin film deposition, wet and dry etching, lithography processing, and topics relevant to semiconductor research and devices. Fabrication and characterization techniques will be covered. Corequisite: PHYS 5312 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

PHYS 5324. Thin Film Synthesis and Characterization Laboratory.
This advanced experimental course is designed as a research group project experience with emphasis on nanoscale device fabrication. All projects are conducted in university facilities with state-of-the-art thin film growth, processing, and characterization facilities. Corequisites: PHYS 5312 and PHYS 5322 both with grades of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5326. Electrical Characterization of Materials and Devices.
A laboratory/lecture course introducing electric characterization methods important to semiconductor materials and devices. Various measurement techniques and methods will be reviewed. Students will learn to work with industrial equipment. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5327. Semiconductor Device Physics.
This course demonstrates how solid state physics applies to describing important examples of thin film device operation with emphasis on semiconductor devices. Additional topics may include photon and phonon effects on electronic properties, quantum phenomena, many body effects in solids, carrier transport properties, micro-electromechanical systems, and materials interface issues. Corequisite: PHYS 5314 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5328. Advance Solid State Physics.
Review of models of a solid and energy band theory. Additional topics may include interaction of electromagnetic waves with solids, lattice vibrations and phonons, many body effects in solids, device physics, quantum phenomena, carrier transport properties, current device configurations, and materials interface problems. Prerequisite: PHYS 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5329. Physics of Materials Degradation and Reliability.
This course examines the material science of physical mechanisms governing the fundamental failure modes of materials, and particularly thin films. The application of materials physics characterization techniques for detecting the signatures of failure mechanisms will also be presented. Prerequisites: PHYS 5328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5331. Electromagnetic Field Theory.
This course is an introduction to electrodynamics at the graduate level using rigorous mathematical formulation. Topics include methods of solving problems in electrostatics and magnetostatics, boundary value problems and Green's Functions, fields in media, and Maxwell's Equations and time varying fields.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5340. Advanced Dynamics.
Classical mechanics at an advanced level. Topics covered may include special relativity in classical mechanics, Hamilton equation of motion, canonical transformations, and Hamilton-Jacobi theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5350A. Thin Film Photovoltaic Devices.
This course is a survey of the Physics of photovoltaic devices with emphasis on device physics including the photovoltaic effect, photon absorption, electrons and holes, generation and recombination, the pn-junction, charge separation, monocrystalline solar cells, thin film solar cells, and losses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350B. Relativity.
This course includes a review of Special Relativity, an introduction to the mathematics of tensor calculus and differential geometry, and such topics from General Relativity as the Schwarzschild solution and black holes, tests of General Relativity, cosmological models, and applications of relativity in the Global Positioning System (GPS).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350C. Characterization of Materials.
This course covers skills and knowledge required for microscopy methods including optical microscopy, scanning electron microscopy, scanning tunneling electron microscopy, atomic force microscopy, and confocal microscopy. It covers x-ray and neutron diffraction techniques including structure analysis, powder and glancing angle diffraction, pole figure, texture analysis, and small angle scattering.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350D. Cognitive Foundations of Physics Education Research.
This course is an introduction to research methods and theories in physics education research. Topics include conceptual metaphor and blending, cognitive linguistics, dual-process theory, and historical issues from the intellectual development of physics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5370. Problems in Advanced Physics.
Open to graduate students on an individual basis by arrangement with the Department of Physics. May be repeated with prior approval of the department. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5395. Fundamentals of Research.
Course is available to graduate students only at the invitation of the department. May be repeated with prior approval of the department. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5398. Industry Internship.
Supervised work experience in an appropriate high tech industry. Students will be required to keep a daily journal and make a final presentation (both written and oral) describing their accomplishments.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in PHYS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Physics (Non-thesis Science Minor Option)

A solid physics foundation combined with extensive, hands-on training in state-of-the art nanofabrication and characterization facilities prepares students for careers in the local high-tech industry, science education or advanced studies. Students are engaged in research and gain superior graduate education with individual faculty attention and mentoring.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the

International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in junior and senior level physics courses in modern physics, mathematical physics or equivalent, classical mechanics, electromagnetic field theory, and quantum mechanics*
- GRE not required*
- resume/CV
- statement of purpose
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the physics GPA falls below the minimum requirement of 3.0, the student may submit the following to be considered for conditional admission:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

Degree Requirements

The Master of Science (M.S.) degree with a major in Physics requires 45 semester credit hours. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
PHYS 5312	ADVANCED QUANTUM MECHANICS	3
PHYS 5313	Mathematical Methods of Physics	3
PHYS 5314	Statistical Physics	3
PHYS 5331	Electromagnetic Field Theory	3
Electives		
Choose 24 hours from the following:		24
PHYS 5110	Seminar in Physics	
PHYS 5195	Fundamentals of Research	
PHYS 5295	Fundamentals of Research	
PHYS 5320	Solid State Physics	
PHYS 5322	Semiconductor Device Microfabrication	
PHYS 5324	Thin Film Synthesis and Characterization Laboratory	
PHYS 5326	Electrical Characterization of Materials and Devices	
PHYS 5327	Semiconductor Device Physics	
PHYS 5328	Advance Solid State Physics	
PHYS 5329	Physics of Materials Degradation and Reliability	
PHYS 5340	Advanced Dynamics	
PHYS 5350A	Thin Film Photovoltaic Devices	
PHYS 5350B	Relativity	
PHYS 5350C	Characterization of Materials	
PHYS 5350D	Cognitive Foundations of Physics Education Research	
PHYS 5370	Problems in Advanced Physics	
PHYS 5395	Fundamentals of Research	
PHYS 5398	Industry Internship	
PHYS 5404		
Minor		
Choose a 9-hour advisor-approved science minor		9
Total Hours		45

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

Master's level courses in Physics: PHYS

Courses Offered

Physics (PHYS)

PHYS 5100. Professional Development.
This course covers topics related to teaching, research, and employment responsibilities. The completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Courrse is repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHYS 5110. Seminar in Physics.
A course designed to acquaint the graduate student with current research areas in physics. May be repeated twice for total of three semester hour's credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5195. Fundamentals of Research.
This course is designed to acquaint the graduate student with materials and methods of physics research. It is open to graduate students on an individual basis by arrangement with the department of Physics. This course may be repeated with prior approval of the department. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5200. Professional Development.
This course covers topics related to teaching, research, and employment rights and responsibilities. It provides a brief background on teaching and learning theories and consists of organized practice teaching. Completion is required as a condition of employment for graduate instructional and teaching assistants. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHYS 5295. Fundamentals of Research.
This course is designed to acquaint the graduate student with materials and methods of physics research. It is open to graduate students on an individual basis by arrangement with the department of Physics. This course may be repeated with prior approval of the department. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5301. Classical Mechanics.
This course discusses the fundamentals of classical mechanics focusing on the physical description of the behavior of single and multiple particle systems. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5302. Electricity and Magnetism.
An introduction to the electromagnetic field theory of classical physics for static fields. Topics included will be the electrostatic field, polarization and dielectrics, electrostatic energy, magnetic field of steady currents, magneto static energy, and magnetic properties of matter. This is a graduate leveling course in Electricity and Magnetism (stacked with PHYS 4310). This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5303. Quantum Mechanics.
This course is an introduction to quantum mechanics. Topics include mathematical foundations, fundamental postulates, time development, and one dimensional problems. This is a graduate leveling course in Quantum Mechanics (stacked with PHYS 4312). This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5304. Experimental Research Methods.
This is a laboratory based course introducing experimental methods used in physics research with emphasis on quantum effects through materials synthesis and characterization methods. The specific experiments are chosen by department faculty on topics of current research interests. The students are exposed to different research topics through laboratory rotations. Prerequisite: Instructor approval. Corequisite: PHYS 5314 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5312. Advanced Quantum Mechanics.
This course is a study of quantum mechanics including combination of two or more quantum mechanical systems, addition of angular momentum, time independent perturbation theory, and time dependent perturbation theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5313. Mathematical Methods of Physics.
This course is a survey of mathematical methods of physics at the graduate level focusing on complex analysis of analytic functions (Laurent expansions and evaluation of residues) and methods of solving both ordinary and partial differential equations (Frobenius' method and Sturm-Liouville theory) with applications to mechanics and electromagnetic theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5314. Statistical Physics.
This course is an introduction to the laws of statistical physics and their application to realistic problems at the graduate level. The topics include a brief review of equilibrium thermodynamics, Gibbs distribution, Fermi-Dirac and Bose-Einstein statistics, derivation of Planck's Law and black-body radiation, and heat capacity of solids.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5320. Solid State Physics.
This is an introductory course at the graduate level intended for students who have not had a previous course in Solid State Physics. Topics covered include crystal structure, the reciprocal lattice, x-ray diffraction, lattice vibrations, electronic band structure, and optical, transport and magnetic properties of metals and semiconductors including applications. Prerequisite: PHYS 5312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5322. Semiconductor Device Microfabrication.
This course provides an in-depth overview of the physics and technology of semiconductor device micro and nano fabrication. Topics include materials used in electronic devices, thin film deposition, wet and dry etching, lithography processing, and topics relevant to semiconductor research and devices. Fabrication and characterization techniques will be covered. Corequisite: PHYS 5312 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

PHYS 5324. Thin Film Synthesis and Characterization Laboratory.
This advanced experimental course is designed as a research group project experience with emphasis on nanoscale device fabrication. All projects are conducted in university facilities with state-of-the-art thin film growth, processing, and characterization facilities. Corequisites: PHYS 5312 and PHYS 5322 both with grades of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5326. Electrical Characterization of Materials and Devices.
A laboratory/lecture course introducing electric characterization methods important to semiconductor materials and devices. Various measurement techniques and methods will be reviewed. Students will learn to work with industrial equipment. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5327. Semiconductor Device Physics.
This course demonstrates how solid state physics applies to describing important examples of thin film device operation with emphasis on semiconductor devices. Additional topics may include photon and phonon effects on electronic properties, quantum phenomena, many body effects in solids, carrier transport properties, micro-electromechanical systems, and materials interface issues. Corequisite: PHYS 5314 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5328. Advance Solid State Physics.
Review of models of a solid and energy band theory. Additional topics may include interaction of electromagnetic waves with solids, lattice vibrations and phonons, many body effects in solids, device physics, quantum phenomena, carrier transport properties, current device configurations, and materials interface problems. Prerequisite: PHYS 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5329. Physics of Materials Degradation and Reliability.
This course examines the material science of physical mechanisms governing the fundamental failure modes of materials, and particularly thin films. The application of materials physics characterization techniques for detecting the signatures of failure mechanisms will also be presented. Prerequisites: PHYS 5328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5331. Electromagnetic Field Theory.
This course is an introduction to electrodynamics at the graduate level using rigorous mathematical formulation. Topics include methods of solving problems in electrostatics and magnetostatics, boundary value problems and Green's Functions, fields in media, and Maxwell's Equations and time varying fields.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5340. Advanced Dynamics.
Classical mechanics at an advanced level. Topics covered may include special relativity in classical mechanics, Hamilton equation of motion, canonical transformations, and Hamilton-Jacobi theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5350A. Thin Film Photovoltaic Devices.
This course is a survey of the Physics of photovoltaic devices with emphasis on device physics including the photovoltaic effect, photon absorption, electrons and holes, generation and recombination, the pn-junction, charge separation, monocrystalline solar cells, thin film solar cells, and losses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350B. Relativity.
This course includes a review of Special Relativity, an introduction to the mathematics of tensor calculus and differential geometry, and such topics from General Relativity as the Schwarzschild solution and black holes, tests of General Relativity, cosmological models, and applications of relativity in the Global Positioning System (GPS).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350C. Characterization of Materials.
This course covers skills and knowledge required for microscopy methods including optical microscopy, scanning electron microscopy, scanning tunneling electron microscopy, atomic force microscopy, and confocal microscopy. It covers x-ray and neutron diffraction techniques including structure analysis, powder and glancing angle diffraction, pole figure, texture analysis, and small angle scattering.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350D. Cognitive Foundations of Physics Education Research.
This course is an introduction to research methods and theories in physics education research. Topics include conceptual metaphor and blending, cognitive linguistics, dual-process theory, and historical issues from the intellectual development of physics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5370. Problems in Advanced Physics.
Open to graduate students on an individual basis by arrangement with the Department of Physics. May be repeated with prior approval of the department. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5395. Fundamentals of Research.
Course is available to graduate students only at the invitation of the department. May be repeated with prior approval of the department. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5398. Industry Internship.
Supervised work experience in an appropriate high tech industry. Students will be required to keep a daily journal and make a final presentation (both written and oral) describing their accomplishments.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in PHYS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Physics (Thesis Option)

A solid physics foundation combined with extensive, hands-on training in state-of-the art nanofabrication and characterization facilities prepares students for careers in the local high-tech industry, science education or advanced studies. Students are engaged in research and gain superior graduate education with individual faculty attention and mentoring.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in junior and senior level physics courses in modern physics, mathematical physics or equivalent, classical mechanics, electromagnetic field theory, and quantum mechanics*
- GRE not required*
- resume/CV
- statement of purpose
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the physics GPA falls below the minimum requirement of 3.0, the student may submit the following to be considered for conditional admission:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

Degree Requirements

The Master of Science (M.S.) degree with a major in Physics requires 30 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
PHYS 5312	ADVANCED QUANTUM MECHANICS	3
PHYS 5313	Mathematical Methods of Physics	3
PHYS 5314	Statistical Physics	3
PHYS 5331	Electromagnetic Field Theory	3
Electives		
Choose 9 hours from the following:		9
PHYS 5110	Seminar in Physics	
PHYS 5195	Fundamentals of Research	
PHYS 5295	Fundamentals of Research	
PHYS 5320	Solid State Physics	
PHYS 5322	Semiconductor Device Microfabrication	
PHYS 5324	Thin Film Synthesis and Characterization Laboratory	
PHYS 5326	Electrical Characterization of Materials and Devices	
PHYS 5327	Semiconductor Device Physics	
PHYS 5328	Advance Solid State Physics	
PHYS 5329	Physics of Materials Degradation and Reliability	
PHYS 5340	Advanced Dynamics	
PHYS 5350A	Thin Film Photovoltaic Devices	
PHYS 5350B	Relativity	
PHYS 5350C	Characterization of Materials	
PHYS 5350D	Cognitive Foundations of Physics Education Research	
PHYS 5404		
PHYS 5370	Problems in Advanced Physics	
PHYS 5395	Fundamentals of Research	
PHYS 5398	Industry Internship	
Free Electives		
Choose 3 hours of advisor-approved electives		3
Thesis		
PHYS 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
PHYS 5199B	Thesis	
PHYS 5299B	Thesis	
PHYS 5399B	Thesis	
PHYS 5599B	Thesis	
PHYS 5999B	Thesis	
Total Hours		30

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by

definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Physics: PHYS

Courses Offered

Physics (PHYS)

PHYS 1110. Elementary Physics Laboratory.
This course explores and illustrates some of the basic principles covered in PHYS 1310 and PHYS 1320. Corequisite: PHYS 1310 or PHYS 1320 either with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHYS 1105

PHYS 1115. General Physics I Laboratory.
First of two laboratory courses in General Physics for science-related majors. Course introduces students to the basics of measurement. Topics cover mechanics and heat. Corequisite: PHYS 1315 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHYS 1101

PHYS 1125. General Physics II Laboratory.
Second of two laboratory courses in general Physics. Course introduces the students to experimental measurements and demonstration of principles of electricity, magnetism, optics, modern physics, electromagnetic waves.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHYS 1102

PHYS 1140. Introductory Laboratory in Astronomy.
An introduction to the constellations, the uses of telescopes, and other material relating to the study of stars and planets. This course is designed to be taken with PHYS 1340 or PHYS 1350 or those students desiring a laboratory course.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 1111

PHYS 1310. Elementary Physics.
A non-mathematical survey of mechanics, properties of matter, heat and sound. These topics are described in a conceptual way with applications relating to the world around us. The laboratory experience may be obtained in a separate one-hour credit lab (PHYS 1110). PHYS 1310 and PHYS 1320 are designed for the liberal arts student. The order in which they are taken is not important. They are not recommended for pre-engineering students or majors and minors in science. The laboratory experience is recommended with the second course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1305

PHYS 1315. General Physics I.
The first course in a two semester sequence which is a survey of the basic laws and principles of physics and includes the topics of mechanics and heat. Designed for students whose program requires technical physics, but who are not pre-engineering students or majors or minors in physics. Credit for both (PHYS 1315 and PHYS 1115) and PHYS 1430 cannot be given. Prerequisite: MATH 1315 with a grade of “C” or better. Corequisite: PHYS 1115.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Co-requisite(s): PHYS 1115
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1301

PHYS 1320. Elementary Physics.
A non-mathematical survey of electricity, magnetism, light, relativity, and atomic and nuclear physics. These topics are described in a conceptual way with applications relating to the world around us. The laboratory experience may be obtained in a separate one-hour credit lab (PHYS 1110). PHYS 1310 and PHYS 1320 are designed for the liberal arts student. The order in which they are taken is not important. They are not recommended for pre-engineering students or majors and minors in science. The laboratory experience is recommended with the second course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 1307

PHYS 1325. General Physics II.
Second course in a two semester sequence which is a survey of the basic laws and principles of physics and includes the topics of waves, light, electricity and magnetism. Designed for students whose program requires technical physics, but who are not pre-engineering students or majors or minors in physics. Prerequisite: PHYS 1315 and [MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Co-requisite(s): PHYS 1125
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1302

PHYS 1340. Astronomy: Solar System.
A study of the solar system. Topics included are a study of the sun, the planets and their satellites, the comets, and other components of the solar system. Some aspects of telescopes and ancient astronomy will be included also.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: ASTR 1304

PHYS 1350. Astronomy: Stars and Galaxies.
A study of the universe beyond the solar system. Topics included are a study of the stars and star clusters, nebulae, galaxies, and an introduction to some aspects of cosmology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: ASTR 1303

PHYS 1360. Development of Concepts in Physics I.
This studio-style course introduces physics concepts through active exploration and discussion of physical phenomena. Course content includes developing concepts of electricity, magnetism, and energy, and research on physics learning. Focus is on how physics helps make sense of everyday experience. It's the first in a sequence of two courses.
3 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1305

PHYS 1370. Development of Concepts in Physics II.
This studio-style course introduces physics concepts through active exploration and discussion of physical phenomena. Course content includes concepts of force, motion, waves, light, and matter, and research on physics learning. Focus is on how physics helps make sense of everyday experience. It's the second in a sequence of two courses. Prerequisite: PHYS 1360 with a grade of "D" or better.
3 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1307

PHYS 1430. Mechanics.
This course covers the principles of classical mechanics through problem solving and laboratory investigations. PHYS 1430, PHYS 2425, and PHYS 2435 are designed for students majoring and minoring in physics and/or other disciplines within the college of science and engineering. Credit for both (PHYS 1315 and PHYS 1115) and PHYS 1430 cannot be given. Corequisite: MATH 2471 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 2425

PHYS 2150. Professional Development for Beginning Physicists.
This course introduces to physics majors career options and opportunities for internships, scholarships, and research internal and external to the university. The course also develops essential practical skills for job seekers. Prerequisite: PHYS 2425 and PHYS 2435 both with grades of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 2230. Introduction to Computational Modeling for Physics.
This course is an introduction to computational concepts and tools that physicists use for data analysis, simulation and modeling, and visualization in research and dissemination. Python and its various libraries are emphasized. Prerequisite: PHYS 1430 with a grade of "D" or better. Corequisite: PHYS 2425 or PHYS 2435 either with a grade of "C" or better.
2 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 2425. Electricity and Magnetism.
This course is a calculus-based introduction to electricity and magnetism. Prerequisites: PHYS 1430 and [MATH 2472 or MATH 2473] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Component Area Core 090|Life & Phys Sciences CAO 093|Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 2426

PHYS 2435. Waves and Heat.
This course is a study of the fields of wave motion, sound, light, and heat at a beginning level for physics majors and minors. Prerequisites: MATH 2471 and PHYS 1430 both with grades of "C" or better. Corequisite: MATH 2472 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 2427

PHYS 3210. Physics Cognition and Pedagogy.
This course is an introduction to physics-specific pedagogy and the methods and results of physics education research (PER). Students will investigate relevant literature in PER and cognitive science, engage in discussions about physics teaching and learning, and reflect on their own teaching practice in the role of Physics Learning Assistants. (WI).
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHYS 3301. Musical Acoustics.
A survey of the physics of sound and acoustic measurement. Special emphasis will be placed on sound production, propagation, and perception as applied to music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3311. Mechanics I.
This course discusses the fundamentals of classical mechanics focusing on the physical description of the behavior of single and multiple particle systems. Topics included are advanced problem solving strategies for systems with position and velocity dependent forces, simple harmonic oscillators, and non-inertial reference frames. Prerequisite: PHYS 2435 with a grade of "C" or better. Corequisite: PHYS 3320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3312. Modern Physics.
This course is an introduction to the foundations of modern physics, including the following topics: relativistic mechanics, foundational experiments in the development of quantum mechanics, light and energy, wave nature of particles, and nuclear physics. Prerequisite: PHYS 2435 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3313. Astrophysics.
This course surveys a variety of issues in astrophysics through problem solving, quantitative measurements, and theoretical reasoning. Topics include celestial mechanics, stellar dynamics and evolution, galaxy evolution, and cosmology. Corequisite: PHYS 3312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3315. Thermodynamics.
This course is a fundamental study of thermodynamics and statistical mechanics. Prerequisite: MATH 3323 and [PHYS 2435 or (PHYS 1125 and PHYS 1325) or (ENGR 2300 and PHYS 2425)] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3320. Introduction to Mathematical Physics.
This course is an introduction to the mathematical methods of theoretical physics with emphasis on development of mathematical tools used in upper division core physics courses. Students will also develop their ability to communicate mathematical ideas in the context of physics. Prerequisite: MATH 3373 and PHYS 2425 both with grades of "C" or better. Corequisite: MATH 3323 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3411. Advanced Physics Laboratory.
This course is an introduction to experimental modern physics, with emphasis on the design and assembly of physics apparatus and the development of practical skills for controlling and automating data collection. (WI) Prerequisites: PHYS 2425 with a grade of "C" or better. Corequisites: PHYS 2435 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

PHYS 3416. Applied Electronics.
This Laboratory/lecture course is an introduction to electronic test bench methods for the construction, operation and analysis of important DC/AC circuits utilizing resistors, capacitors, diodes, BJTs, FETs, and OpAmps. The behavior of the circuits will be modeled in SPICE. Elementary semiconductor device physics and microfabrication methods will be discussed. (WI) Prerequisites: PHYS 2425 and PHYS 2435 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHYS 3417. Optics.
This course is a one-semester survey of geometrical and physical optics accompanied by laboratory experience. Topics covered include electromagnetic waves and their propagation, geometrical optics, polarization, interference, diffraction, Fourier optics, and holography. (WI) Prerequisites: PHYS 2425 and PHYS 2435 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHYS 3418. Methods in Observational Astrophysics.
This course is an introduction to methods and instrumentation used in observational astrophysics. Topics include image processing, data acquisition and analysis, and detectors for data across the electromagnetic spectrum. Prerequisite: PHYS 2425 and PHYS 2435 both with grades "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHYS 4121. Undergraduate Research.
This course represents a student's research project in physics to be carried out under the supervision of a faculty member. The student must contact a faculty member in advance to arrange the topic and specific course objectives. This course may be repeated for credit. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 4150A. Physics Cognition and Pedagogy Lab.
In this lab course, students will apply principles introduced in PHYS 3210, which include observation of student interactions, reflection on the process of learning and the use of evidence based reasoning, metacognition, and facilitation, of discourse around difficult concepts. Prerequisite: PHYS 1430 with grade of "C" or better or instructor approval. Corequisite: PHYS 3210 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 4150B. Computational Modeling Lab: Mechanics.
This lab provides experience in computational modeling of problems in classical mechanics. Students design and code computer programs to simulate physical dynamics and analyze data. Corequisite: PHYS 3311 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 4221. Undergraduate Research.
This course represents a student's research project in physics to be carried out under the supervision of a faculty member. The student must contact a faculty member in advance to arrange the topic and specific course objectives. This course may be repeated for credit. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 4305. Statistical Physics.
Statistical physics is the study of energy flow and energy distributions within systems in equilibrium. Students will explore a range of phenomena including black-body radiation, diffusion, phase transitions, and magnetism. Emphasis will be placed on topics of entropy, probability, free energy, Boltzmann distributions, and the atomic behavior of these systems. Prerequisite: MATH 3323 and PHYS 3312 and PHYS 3320 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4310. Electromagnetic Field Theory I.
An introduction to the electromagnetic field theory of classical physics for static fields. Topics included will be the electrostatic field, polarization and dielectrics, electrostatic energy, magnetic field of steady currents, magneto static energy, and magnetic properties of matter. Prerequisite: MATH 3323 and MATH 3373 and PHYS 3320 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4311. Condensed Matter Physics.
Application of physics principles to solid materials. Topics include crystal structure and the reciprocal lattice, including x-ray diffraction, crystal binding and elastic properties, lattice vibrations, energy bands, semiconductors and metals. Prerequisite: PHYS 3312 and PHYS 3320 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4312. Quantum Mechanics I.
This course introduces students to quantum mechanics. Topics include mathematical foundations, fundamental postulates, time development, and one dimensional problems. Prerequisite: PHYS 3312 PHYS 3320 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4315. Electromagnetic Field Theory II.
An introduction to the electromagnetic field theory of classical physics for time varying fields. Topics included will be electromagnetic induction, time varying electric and magnetic fields, Maxwell's equations, electromagnetic energy, electromagnetic waves and radiation, and a brief introduction to some specialized topics. Prerequisite: PHYS 4310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4320. Selected Study in Physics.
Topics are chosen in theoretical and experimental areas of current interest in physics with specific topic to be discussed agreed upon prior to registration. May be repeated once with different emphasis and professor for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 4321. Undergraduate Research.
A research project in physics to be carried out under the supervision of a faculty member by upper division physics majors. Student must contact a faculty member in advance to arrange topic and specific course objective. Course may be repeated only as an elective towards the BS or BA in physics. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 4350B. Relativity.
This course includes a review of Special Relativity, an introduction to the mathematics of tensor calculus and differential geometry, and such topics from General Relativity as the Schwarzschild solution and black holes, tests of General Relativity, cosmological models, and applications of relativity in the Global Positioning System (GPS). Prerequisite: PHYS 2425 and PHYS 2435 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 4350D. Biophysics.
This course applies the principles of physics to the study of living organisms. An emphasis will be placed on the topics of structure, fluids, diffusion, entropy, stochastic processes, and probabilities, and on scientific modes of thinking including modeling, estimation, and data analysis. Prerequisite: PHYS 2425 and PHYS 2435 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 4360. Physics Cognition and Pedagogy II.
This course addresses historical, philosophical, and cognitive perspectives on the learning, teaching, and discovery of physics, including results from contemporary research on learning. It is recommended for students pursuing teacher certification. Prerequisite: PHYS 3210 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHYS 5100. Professional Development.
This course covers topics related to teaching, research, and employment responsibilities. The completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Courrse is repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHYS 5110. Seminar in Physics.
A course designed to acquaint the graduate student with current research areas in physics. May be repeated twice for total of three semester hour's credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5195. Fundamentals of Research.
This course is designed to acquaint the graduate student with materials and methods of physics research. It is open to graduate students on an individual basis by arrangement with the department of Physics. This course may be repeated with prior approval of the department. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5200. Professional Development.
This course covers topics related to teaching, research, and employment rights and responsibilities. It provides a brief background on teaching and learning theories and consists of organized practice teaching. Completion is required as a condition of employment for graduate instructional and teaching assistants. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHYS 5295. Fundamentals of Research.
This course is designed to acquaint the graduate student with materials and methods of physics research. It is open to graduate students on an individual basis by arrangement with the department of Physics. This course may be repeated with prior approval of the department. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5301. Classical Mechanics.
This course discusses the fundamentals of classical mechanics focusing on the physical description of the behavior of single and multiple particle systems. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5302. Electricity and Magnetism.
An introduction to the electromagnetic field theory of classical physics for static fields. Topics included will be the electrostatic field, polarization and dielectrics, electrostatic energy, magnetic field of steady currents, magneto static energy, and magnetic properties of matter. This is a graduate leveling course in Electricity and Magnetism (stacked with PHYS 4310). This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5303. Quantum Mechanics.
This course is an introduction to quantum mechanics. Topics include mathematical foundations, fundamental postulates, time development, and one dimensional problems. This is a graduate leveling course in Quantum Mechanics (stacked with PHYS 4312). This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5304. Experimental Research Methods.
This is a laboratory based course introducing experimental methods used in physics research with emphasis on quantum effects through materials synthesis and characterization methods. The specific experiments are chosen by department faculty on topics of current research interests. The students are exposed to different research topics through laboratory rotations. Prerequisite: Instructor approval. Corequisite: PHYS 5314 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5312. Advanced Quantum Mechanics.
This course is a study of quantum mechanics including combination of two or more quantum mechanical systems, addition of angular momentum, time independent perturbation theory, and time dependent perturbation theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5313. Mathematical Methods of Physics.
This course is a survey of mathematical methods of physics at the graduate level focusing on complex analysis of analytic functions (Laurent expansions and evaluation of residues) and methods of solving both ordinary and partial differential equations (Frobenius' method and Sturm-Liouville theory) with applications to mechanics and electromagnetic theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5314. Statistical Physics.
This course is an introduction to the laws of statistical physics and their application to realistic problems at the graduate level. The topics include a brief review of equilibrium thermodynamics, Gibbs distribution, Fermi-Dirac and Bose-Einstein statistics, derivation of Planck's Law and black-body radiation, and heat capacity of solids.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5320. Solid State Physics.
This is an introductory course at the graduate level intended for students who have not had a previous course in Solid State Physics. Topics covered include crystal structure, the reciprocal lattice, x-ray diffraction, lattice vibrations, electronic band structure, and optical, transport and magnetic properties of metals and semiconductors including applications. Prerequisite: PHYS 5312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5322. Semiconductor Device Microfabrication.
This course provides an in-depth overview of the physics and technology of semiconductor device micro and nano fabrication. Topics include materials used in electronic devices, thin film deposition, wet and dry etching, lithography processing, and topics relevant to semiconductor research and devices. Fabrication and characterization techniques will be covered. Corequisite: PHYS 5312 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

PHYS 5324. Thin Film Synthesis and Characterization Laboratory.
This advanced experimental course is designed as a research group project experience with emphasis on nanoscale device fabrication. All projects are conducted in university facilities with state-of-the-art thin film growth, processing, and characterization facilities. Corequisites: PHYS 5312 and PHYS 5322 both with grades of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5326. Electrical Characterization of Materials and Devices.
A laboratory/lecture course introducing electric characterization methods important to semiconductor materials and devices. Various measurement techniques and methods will be reviewed. Students will learn to work with industrial equipment. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5327. Semiconductor Device Physics.
This course demonstrates how solid state physics applies to describing important examples of thin film device operation with emphasis on semiconductor devices. Additional topics may include photon and phonon effects on electronic properties, quantum phenomena, many body effects in solids, carrier transport properties, micro-electromechanical systems, and materials interface issues. Corequisite: PHYS 5314 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5328. Advance Solid State Physics.
Review of models of a solid and energy band theory. Additional topics may include interaction of electromagnetic waves with solids, lattice vibrations and phonons, many body effects in solids, device physics, quantum phenomena, carrier transport properties, current device configurations, and materials interface problems. Prerequisite: PHYS 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5329. Physics of Materials Degradation and Reliability.
This course examines the material science of physical mechanisms governing the fundamental failure modes of materials, and particularly thin films. The application of materials physics characterization techniques for detecting the signatures of failure mechanisms will also be presented. Prerequisites: PHYS 5328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5331. Electromagnetic Field Theory.
This course is an introduction to electrodynamics at the graduate level using rigorous mathematical formulation. Topics include methods of solving problems in electrostatics and magnetostatics, boundary value problems and Green's Functions, fields in media, and Maxwell's Equations and time varying fields.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5340. Advanced Dynamics.
Classical mechanics at an advanced level. Topics covered may include special relativity in classical mechanics, Hamilton equation of motion, canonical transformations, and Hamilton-Jacobi theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5350A. Thin Film Photovoltaic Devices.
This course is a survey of the Physics of photovoltaic devices with emphasis on device physics including the photovoltaic effect, photon absorption, electrons and holes, generation and recombination, the pn-junction, charge separation, monocrystalline solar cells, thin film solar cells, and losses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350B. Relativity.
This course includes a review of Special Relativity, an introduction to the mathematics of tensor calculus and differential geometry, and such topics from General Relativity as the Schwarzschild solution and black holes, tests of General Relativity, cosmological models, and applications of relativity in the Global Positioning System (GPS).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350C. Characterization of Materials.
This course covers skills and knowledge required for microscopy methods including optical microscopy, scanning electron microscopy, scanning tunneling electron microscopy, atomic force microscopy, and confocal microscopy. It covers x-ray and neutron diffraction techniques including structure analysis, powder and glancing angle diffraction, pole figure, texture analysis, and small angle scattering.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350D. Cognitive Foundations of Physics Education Research.
This course is an introduction to research methods and theories in physics education research. Topics include conceptual metaphor and blending, cognitive linguistics, dual-process theory, and historical issues from the intellectual development of physics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5370. Problems in Advanced Physics.
Open to graduate students on an individual basis by arrangement with the Department of Physics. May be repeated with prior approval of the department. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5395. Fundamentals of Research.
Course is available to graduate students only at the invitation of the department. May be repeated with prior approval of the department. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5398. Industry Internship.
Supervised work experience in an appropriate high tech industry. Students will be required to keep a daily journal and make a final presentation (both written and oral) describing their accomplishments.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in PHYS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Master of Science (M.S.) Major in Physics (Thesis Science Minor Option)

A solid physics foundation combined with extensive, hands-on training in state-of-the art nanofabrication and characterization facilities prepares students for careers in the local high-tech industry, science education or advanced studies. Students are engaged in research and gain superior graduate education with individual faculty attention and mentoring.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (p. 724) for additional requirements.

- completed online application
- $55 nonrefundable application fee

  or

- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university
- official transcripts from **each institution** where course credit was granted
- minimum 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- minimum 3.0 GPA in junior and senior level physics courses in modern physics, mathematical physics or equivalent, classical mechanics, electromagnetic field theory, and quantum mechanics*
- GRE not required*
- resume/CV
- statement of purpose
- three letters of recommendation

TOEFL or IELTS Scores

Non-native English speakers who do not qualify for an English proficiency waiver:

- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
  - minimum individual module scores of 6.0

This program does **not** offer admission if the scores above are not met.

***Additional Information**
If the physics GPA falls below the minimum requirement of 3.0, the student may submit the following to be considered for conditional admission:

- official GRE (general test only) with competitive scores in the verbal reasoning and quantitative reasoning sections

Degree Requirements

The Master of Science (M.S.) degree with a major in Physics requires 39 semester credit hours, including a thesis. Students who do not have the appropriate background course work may be required to complete leveling courses.

Course Requirements

Code	Title	Hours
Required Courses		
PHYS 5312	ADVANCED QUANTUM MECHANICS	3
PHYS 5313	Mathematical Methods of Physics	3
PHYS 5314	Statistical Physics	3
PHYS 5331	Electromagnetic Field Theory	3
Electives		
Choose 9 hours from the following:		9
PHYS 5110	Seminar in Physics	
PHYS 5195	Fundamentals of Research	
PHYS 5295	Fundamentals of Research	
PHYS 5320	Solid State Physics	
PHYS 5322	Semiconductor Device Microfabrication	
PHYS 5324	Thin Film Synthesis and Characterization Laboratory	
PHYS 5326	Electrical Characterization of Materials and Devices	
PHYS 5327	Semiconductor Device Physics	
PHYS 5328	Advance Solid State Physics	
PHYS 5329	Physics of Materials Degradation and Reliability	
PHYS 5340	Advanced Dynamics	
PHYS 5350A	Thin Film Photovoltaic Devices	
PHYS 5350B	Relativity	
PHYS 5350C	Characterization of Materials	
PHYS 5350D	Cognitive Foundations of Physics Education Research	
PHYS 5370	Problems in Advanced Physics	
PHYS 5395	Fundamentals of Research	
PHYS 5398	Industry Internship	
PHYS 5404		
Free Electives		
Choose 3 hours of advisor-approved electives		3
Thesis		
PHYS 5399A	Thesis	3
Choose a minimum of 3 hours from the following:		3
PHYS 5199B	Thesis	
PHYS 5299B	Thesis	
PHYS 5399B	Thesis	
PHYS 5599B	Thesis	
PHYS 5999B	Thesis	
Minor		
Choose a 9-hour advisor-approved science minor		9
Total Hours		39

Comprehensive Examination Requirements

All candidates for graduate degrees must pass one or more comprehensive examinations.

If a student elects to follow the thesis option for the degree, a committee to direct the written thesis will be established. The thesis must demonstrate the student's capability for research and independent thought. Preparation of the thesis must be in conformity with the *Graduate College Guide to Preparing and Submitting a Thesis or Dissertation*.

Thesis Proposal (http://www.gradcollege.txstate.edu/docs/Thesis_Diss_Guide.pdf)

The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members' signatures, the graduate advisor's signature if required by the program and the department chair's signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College. The IRB approval letter should be included with the proposal form. If the thesis research involves vertebrate animals, the proposal form must include the Texas State IACUC approval code. It is recommended that the thesis proposal form be submitted to the dean of The Graduate College by the end of the student's enrollment in 5399A. Failure to submit the thesis proposal in a timely fashion may result in delayed graduation.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is required. For a student's initial thesis course enrollment, the student will need to register for thesis course number 5399A. After that, the student will enroll in thesis B courses, in each subsequent semester until the thesis is defended with the department and approved by The Graduate College. Preliminary discussions regarding the selection of a topic and assignment to a research supervisor will not require enrollment for the thesis course.

Students must be enrolled in thesis credits if they are receiving supervision and/or are using university resources related to their thesis work. The number of thesis credit hours students enroll in must reflect the amount of work being done on the thesis that semester. It is the responsibility of the committee chair to ensure that students are making adequate progress toward their degree throughout the thesis process. Failure to register for the thesis course during a term in which supervision is received may result in postponement of graduation. After initial enrollment in 5399A, the student will continue to enroll in a thesis B course as long as it takes to complete the thesis. Thesis projects are by definition original and individualized projects. As such, depending on the topic, methodology, and other factors, some projects may take longer than others to complete. If the thesis requires work beyond the minimum number of thesis credits needed for the degree, the student may enroll in additional thesis credits at the committee chair's discretion. In the rare case when a student has not previously enrolled in thesis and plans to work on and complete the thesis in one term, the student will enroll in both 5399A and 5399B.

The only grades assigned for thesis courses are PR (progress), CR (credit), W (withdrew), and F (failing). If acceptable progress is not being made in a thesis course, the instructor may issue a grade of F. If the student is making acceptable progress, a grade of PR is assigned until the thesis is completed. The minimum number of hours of thesis credit ("CR") will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process

Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu) website under "Current Students." The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student's embargo selection). **NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.**

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student's progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university's or institution's email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university's licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival

quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master's level courses in Physics: PHYS

Courses Offered

Physics (PHYS)

PHYS 5100. Professional Development.
This course covers topics related to teaching, research, and employment responsibilities. The completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Courrse is repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHYS 5110. Seminar in Physics.
A course designed to acquaint the graduate student with current research areas in physics. May be repeated twice for total of three semester hour's credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5195. Fundamentals of Research.
This course is designed to acquaint the graduate student with materials and methods of physics research. It is open to graduate students on an individual basis by arrangement with the department of Physics. This course may be repeated with prior approval of the department. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5200. Professional Development.
This course covers topics related to teaching, research, and employment rights and responsibilities. It provides a brief background on teaching and learning theories and consists of organized practice teaching. Completion is required as a condition of employment for graduate instructional and teaching assistants. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHYS 5295. Fundamentals of Research.
This course is designed to acquaint the graduate student with materials and methods of physics research. It is open to graduate students on an individual basis by arrangement with the department of Physics. This course may be repeated with prior approval of the department. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5301. Classical Mechanics.
This course discusses the fundamentals of classical mechanics focusing on the physical description of the behavior of single and multiple particle systems. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5302. Electricity and Magnetism.
An introduction to the electromagnetic field theory of classical physics for static fields. Topics included will be the electrostatic field, polarization and dielectrics, electrostatic energy, magnetic field of steady currents, magneto static energy, and magnetic properties of matter. This is a graduate leveling course in Electricity and Magnetism (stacked with PHYS 4310). This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5303. Quantum Mechanics.
This course is an introduction to quantum mechanics. Topics include mathematical foundations, fundamental postulates, time development, and one dimensional problems. This is a graduate leveling course in Quantum Mechanics (stacked with PHYS 4312). This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5304. Experimental Research Methods.
This is a laboratory based course introducing experimental methods used in physics research with emphasis on quantum effects through materials synthesis and characterization methods. The specific experiments are chosen by department faculty on topics of current research interests. The students are exposed to different research topics through laboratory rotations. Prerequisite: Instructor approval. Corequisite: PHYS 5314 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5312. Advanced Quantum Mechanics.
This course is a study of quantum mechanics including combination of two or more quantum mechanical systems, addition of angular momentum, time independent perturbation theory, and time dependent perturbation theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5313. Mathematical Methods of Physics.
This course is a survey of mathematical methods of physics at the graduate level focusing on complex analysis of analytic functions (Laurent expansions and evaluation of residues) and methods of solving both ordinary and partial differential equations (Frobenius' method and Sturm-Liouville theory) with applications to mechanics and electromagnetic theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5314. Statistical Physics.
This course is an introduction to the laws of statistical physics and their application to realistic problems at the graduate level. The topics include a brief review of equilibrium thermodynamics, Gibbs distribution, Fermi-Dirac and Bose-Einstein statistics, derivation of Planck's Law and black-body radiation, and heat capacity of solids.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5320. Solid State Physics.
This is an introductory course at the graduate level intended for students who have not had a previous course in Solid State Physics. Topics covered include crystal structure, the reciprocal lattice, x-ray diffraction, lattice vibrations, electronic band structure, and optical, transport and magnetic properties of metals and semiconductors including applications. Prerequisite: PHYS 5312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5322. Semiconductor Device Microfabrication.
This course provides an in-depth overview of the physics and technology of semiconductor device micro and nano fabrication. Topics include materials used in electronic devices, thin film deposition, wet and dry etching, lithography processing, and topics relevant to semiconductor research and devices. Fabrication and characterization techniques will be covered. Corequisite: PHYS 5312 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

PHYS 5324. Thin Film Synthesis and Characterization Laboratory.
This advanced experimental course is designed as a research group project experience with emphasis on nanoscale device fabrication. All projects are conducted in university facilities with state-of-the-art thin film growth, processing, and characterization facilities. Corequisites: PHYS 5312 and PHYS 5322 both with grades of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5326. Electrical Characterization of Materials and Devices.
A laboratory/lecture course introducing electric characterization methods important to semiconductor materials and devices. Various measurement techniques and methods will be reviewed. Students will learn to work with industrial equipment. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5327. Semiconductor Device Physics.
This course demonstrates how solid state physics applies to describing important examples of thin film device operation with emphasis on semiconductor devices. Additional topics may include photon and phonon effects on electronic properties, quantum phenomena, many body effects in solids, carrier transport properties, micro-electromechanical systems, and materials interface issues. Corequisite: PHYS 5314 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5328. Advance Solid State Physics.
Review of models of a solid and energy band theory. Additional topics may include interaction of electromagnetic waves with solids, lattice vibrations and phonons, many body effects in solids, device physics, quantum phenomena, carrier transport properties, current device configurations, and materials interface problems. Prerequisite: PHYS 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5329. Physics of Materials Degradation and Reliability.
This course examines the material science of physical mechanisms governing the fundamental failure modes of materials, and particularly thin films. The application of materials physics characterization techniques for detecting the signatures of failure mechanisms will also be presented. Prerequisites: PHYS 5328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5331. Electromagnetic Field Theory.
This course is an introduction to electrodynamics at the graduate level using rigorous mathematical formulation. Topics include methods of solving problems in electrostatics and magnetostatics, boundary value problems and Green’s Functions, fields in media, and Maxwell’s Equations and time varying fields.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5340. Advanced Dynamics.
Classical mechanics at an advanced level. Topics covered may include special relativity in classical mechanics, Hamilton equation of motion, canonical transformations, and Hamilton-Jacobi theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5350A. Thin Film Photovoltaic Devices.
This course is a survey of the Physics of photovoltaic devices with emphasis on device physics including the photovoltaic effect, photon absorption, electrons and holes, generation and recombination, the pn-junction, charge separation, monocrystalline solar cells, thin film solar cells, and losses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350B. Relativity.
This course includes a review of Special Relativity, an introduction to the mathematics of tensor calculus and differential geometry, and such topics from General Relativity as the Schwarzschild solution and black holes, tests of General Relativity, cosmological models, and applications of relativity in the Global Positioning System (GPS).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350C. Characterization of Materials.
This course covers skills and knowledge required for microscopy methods including optical microscopy, scanning electron microscopy, scanning tunneling electron microscopy, atomic force microscopy, and confocal microscopy. It covers x-ray and neutron diffraction techniques including structure analysis, powder and glancing angle diffraction, pole figure, texture analysis, and small angle scattering.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350D. Cognitive Foundations of Physics Education Research.
This course is an introduction to research methods and theories in physics education research. Topics include conceptual metaphor and blending, cognitive linguistics, dual-process theory, and historical issues from the intellectual development of physics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5370. Problems in Advanced Physics.
Open to graduate students on an individual basis by arrangement with the Department of Physics. May be repeated with prior approval of the department. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5395. Fundamentals of Research.
Course is available to graduate students only at the invitation of the department. May be repeated with prior approval of the department. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5398. Industry Internship.
Supervised work experience in an appropriate high tech industry. Students will be required to keep a daily journal and make a final presentation (both written and oral) describing their accomplishments.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in PHYS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Minor in Materials Physics

The graduate minor in Materials Physics requires 9 semester credit hours.

Code	Title	Hours
Required Courses		
Choose 2 courses from the following:		6
PHYS 5320	Solid State Physics	
PHYS 5322	Semiconductor Device Microfabrication	
PHYS 5324	Thin Film Synthesis and Characterization Laboratory	
PHYS 5326	Electrical Characterization of Materials and Devices	
PHYS 5327	Semiconductor Device Physics	
PHYS 5328	Advance Solid State Physics	
PHYS 5329	Physics of Materials Degradation and Reliability	
Elective		
Choose 1 advisor-approved course		3
Total Hours		9

Minor in Physics

The graduate minor in Physics requires 6 semester credit hours of advisor-approved PHYS courses.

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Tast, Rebecca Lynn, Assistant Professor, Music, Ph.D., Univ of Kansas Main Campus

Taylor, Nicole, Associate Professor, Anthropology, Ph.D., University of Arizona

Temponi, Cecilia C, Professor, Management, Ph.D., University of Texas at Arlington

Thickstun, Thomas L, Professor, Mathematics, Ph.D., Univ of California-San Diego

Thomas, Cathy, Associate Professor, Curriculum Instruction, Ph.D., University of Texas at Austin

Thomas, Krista A, Senior Lecturer, Health Human Performance, M.S.R.L.S., Texas State University

Thornton, Hannah, Clinical Assistant Professor, Family Consumer Sciences, M.S., Texas State University

Tillman, Ellen D, Associate Professor, History, Ph.D., Univ of Illinois Urbana-Champaign

Tillotson, Stephen E, Lecturer, Criminal Justice, Ph.D., Indiana University Bloomington

Timmerman, Charles Erik, Chair - Professor, Communication Studies, Ph.D., University of Texas at Austin

Timmerman, Lindsay Marie, Associate Professor, Communication Studies, Ph.D., University of Texas at Austin

Tipps, Jason Douglas, Clinical Lecturer, Communication Disorders, M.S.C.D., Texas State University

Todd, Jeffrey Allen, Associate Professor, Finance Economics, J.D., University of Texas at Austin

Todd, Mark E, Professor, Art Design, M.F.A., University of Iowa

Tooley, Kristen, Assistant Professor, Psychology, Ph.D., Univ of California-Davis

Topinka, Joseph Baar, Asst Professor of Practice, Health Administration, L.L.M., Loyola University of Chicago

Torres, Anthony S, Associate Professor, Engineering Technology, Ph.D., Univ of New Mexico Main Campus

Townsend, Christi G, Senior Lecturer, Geography, Ph.D., Texas State University

Trahan, Mark Herrick, Assistant Professor, Social Work, Ph.D., University of Houston

Travis, Raphael, Associate Professor, Social Work, D.P.H., Univ of California-Los Angeles

Treinen, Raymond F, Associate Professor, Mathematics, Ph.D., Wichita State University

Trueba, Luis, Assistant Professor, Engineering Technology, Ph.D., Missouri Univ of Science and Tech

Trujillo, Logan Thomas, Assistant Professor, Psychology, Ph.D., University of Arizona

Tufano, Virginia Emma, Assistant Professor, Nursing, Ed.D., College of Saint Mary

Turri, Anna M, Associate Professor, Marketing, Ph.D., Univ of Arkansas Main Campus

Ugalde, Sharon E, University Distinguished Professor, World Languages Literatures, Ph.D., Stanford University

Ulen, Ronald C, Professor, Music, M.M., Florida State University

Vacaflores Rivero, Diego E, Associate Professor, Finance Economics, Ph.D., Texas AM University

Valencia, Louie Dean, Assistant Professor, History, Ph.D., Fordham University

Valles Molina, Damian, Assistant Professor, Engineering, Ph.D., University of Texas at El Paso

Van Overschelde, James P, Associate Professor, Curriculum Instruction, Ph.D., University of Colorado Boulder

Vandenberg, Scott Peter, Lecturer, Theatre Dance, M.F.A., Florida State University

Varacalli, Thomas Francis Xavier, Senior Lecturer, Political Science, Ph.D., Louisiana State Univ AM College

Vargas, Micaela, Lecturer, Biology, Ph.D., Univ of Texas at San Antonio

Vassian, Myra Ann, Senior Lecturer, Music, M.A., Western Carolina University

Vaughan, Adam David, Assistant Professor, Criminal Justice, Ph.D., Simon Fraser University

Velez, Lea Robin, Clinical Lecturer, Social Work, D.S.W., University of Southern California

Villagran, Melinda Morris, Professor, Communication Studies, Ph.D., Univ of Oklahoma Norman Campus

Viswanathan, Vishu Ramamoorthy, Professor, Engineering, Ph.D., Yale University

Wagner, Nicole Catherine, Assistant Professor, Agricultural Sciences, Ph.D., Montana State University

Waite, Susan F, Assistant Professor, Curriculum Instruction, Ed.D., University of Georgia

Walker, John L, Professor, Health Human Performance, Ed.D., University of Houston

Wallace, Marc Anthony, Associate Professor of Practice, Political Science, Ph.D., American University

Walter, Ronald B, Professor- Univ Chair, Chemistry Biochemistry, Ph.D., Florida State University

Walter, Scott Thomas, Senior Lecturer, Biology, Ph.D., Univ of Louisiana at Lafayette

Wang, Kaipeng, Assistant Professor, Social Work, Ph.D., Boston College

Wang, Tiankai, Associate Professor, Health Information Management, Ph.D., Rutgers State Univ New Brunswick

Wang, Yangmei, Assistant Professor, Accounting, Ph.D., Texas Tech University

Ward, Kenneth, Professor, Political Science, Ph.D., Columbia Univ City of New York

Warms, Richard L, Professor, Anthropology, Ph.D., Syracuse University

Warnell, Katherine Rice, Assistant Professor, Psychology, Ph.D., Univ of Maryland College Park

Warshauer, Hiroko K, Associate Professor, Mathematics, Ph.D., University of Texas at Austin

Watkins, Ann L, Chair - Professor, Accounting, Ph.D., Louisiana State Univ AM College

Watson, Dwight David, Associate Professor Emeritus, History, Ph.D., University of Houston

Watt, Toni Terling, Professor, Sociology, Ph.D., University of Texas at Austin

Weill, Susan, Associate Professor, Journalism Mass Comm, Ph.D., Univ of Southern Mississippi

Weimer, Amy Ann, Professor, Family Consumer Sciences, Ph.D., Arizona State University

Wend-Walker, Graeme Alan, Associate Professor, English, Ph.D., Macquarie University

Wendel, Renee M, Senior Lecturer, Communication Disorders, M.S., Texas State University

Weng, Julie McCormick, Assistant Professor, English, Ph.D., Univ of Illinois Urbana-Champaign

Werner, Patrice H, Associate Dean, College of Education and Associate Professor, Curriculum Instruction, Ph.D., University of North Texas

Westerberg, Carmen E, Associate Professor, Psychology, Ph.D., Univ of Minnesota-Twin Cities

Westerlund, Julie F, Associate Professor, Biology, Ph.D., University of Texas at Austin

White, Garry, Associate Professor, Comp Info Sys Quant Mthd, Ph.D., University of Texas at Austin

Whitten, Steven T, Associate Professor, Chemistry Biochemistry, Ph.D., Johns Hopkins University

Wiegman, Isaac Thane, Lecturer, Philosophy, Ph.D., Washington Univ in St. Louis

Williams, Howard Earl, Lecturer, Criminal Justice, Ph.D., Texas State University

Williams, Miriam F, Professor, English, Ph.D., Texas Tech University

Williams, Ronald Daniel, Associate Professor, Health Human Performance, Ph.D., The University of Alabama

Willson, Pamela Ann, Clinical Professor, Nursing, Ph.D., Texas Woman's University

Wilson, Nancy A, Associate Professor, English, Ph.D., Univ of Texas at San Antonio

Wilson, Richard Thomas, Associate Professor, Marketing, Ph.D., St Louis Univ Ctrl Off

Wilson, Steven M, Professor, English, M.F.A., Wichita State University

Winek, Gary J, Professor, Engineering Technology, Ph.D., Univ of Maryland College Park

Winking, Keith R, Professor, Music, D.M.A., University of Texas at Austin

Withrow, Brian L, Professor, Criminal Justice, Ph.D., Sam Houston State University

Wivagg, Jonathan Robert, Senior Lecturer, Sociology, Ph.D., Baylor University

Wright, Walter A, Associate Professor, Political Science, L.L.M., New York University

Yang, Jie, Assistant Professor, Communication Disorders, Ph.D., University of Texas at Austin

Yang, Yong, Associate Professor, Mathematics, Ph.D., University of Florida

Ybanez-Llorente, Kathy, Associate Professor, Coun, Ldr, Adult Ed Sch Psy, Ph.D., Texas AM Univ-Corpus Christi

Yi, Ha Chin, Professor, Finance Economics, Ph.D., University of Kentucky

Yick, Joseph K, Professor, History, Ph.D., Univ of California, Santa Barbara

Yoo, Yong Suk, Assistant Professor, Theatre Dance, M.F.A., California Inst of the Arts

Yoon, Hyunwoo, Assistant Professor, Social Work, Ph.D., University of Texas at Austin

Yost, Shane Robert, Assistant Professor, Chemistry Biochemistry, Ph.D., Massachusetts Institute of Tech

You, Byoung Hee, Associate Professor, Engineering Technology, Ph.D., Louisiana State Univ AM College

You, Leyuan, Associate Professor, Finance Economics, Ph.D., Florida International University

Youens, Christina Van Husen, Lecturer, Family Consumer Sciences, M.S., Texas Woman's University

Young, Glen Michael, Assistant Professor, Accounting, Ph.D., Texas AM University

Young, Randall Frederick, Assistant Professor, Accounting, Ph.D., University of North Texas

Yuan, Lijun, Professor, Philosophy, Ph.D., University of Colorado Boulder

Yun, Hyun J, Professor, Political Science, Ph.D., University of Florida

Zank, Gail Marie, Professor, Marketing, Ph.D., Texas AM University

Zhai, Muxin, Assistant Professor, Finance Economics, Ph.D., University of Washington

Zhang, Peiqin, Assistant Professor, Comp Info Sys Quant Mthd, Ph.D., Univ of North Carolina-Charlotte

Zhao, Qiang, Associate Professor, Mathematics, Ph.D., Univ of Missouri-Columbia

Zhu, Cheng, Assistant Professor, Comp Info Sys Quant Mthd, Ph.D., McGill University

Zhu, Jie, Assistant Professor, Family Consumer Sciences, Ph.D., Wuhan University

Zhu, Pinfan, Professor, English, Ph.D., Texas Tech University

Zimmermann-Somoza, Jo An M, Associate Professor, Health Human Performance, Ph.D., Clemson University

COURSES

Accounting (ACC)

ACC 2301. Accounting in Organizations and Society.
Introductory accounting course for non-business majors. Describes the role of accounting as an information system essential for the operation of today's organizations. Focus is on (1) how data is captured and processed to provide information for decision-making, and (2) how the information provided can be used for decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 2325. Financial Analysis and Accounting.
A study of financial statement analysis and overview of financial statements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ACC 2361. Introduction to Financial Accounting.
This course introduces financial accounting concepts and their application in the accounting process for business organizations, including financial statement preparation, analysis and communication of financial information and related ethical responsibilities. Prerequisite: MATH 1315 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2331 or MATH 2417 or MATH 2471 or HON 3391 or ACT Mathematics score of 27 or better or SAT Mathematics score of 580 or better or SAT Math Section Score 600-800.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ACCT 2301

ACC 2362. Introduction to Managerial Accounting.
This course provides an introduction to the use of accounting information as an aid to management decision making and budgeting. Students will gain an appreciation of control processes and an understanding of accounting reports and related ethical responsibilities. Prerequisites: ACC 2361 and (MATH 1315 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2331 or or MATH 2417 or MATH 2471 or HON 3391); both with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ACCT 2302

ACC 3313. Intermediate Accounting I.
An in-depth study of accounting concepts and standards with emphasis on current theory and practices relating to corporate financial statements particularly stressing asset measurement and presentation. Prerequisites: ACC 2361 and ACC 2362 both with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 3314. Intermediate Accounting II.
This course provides a study of accounting problems related to liability measurement, determination of stockholders' equity, earnings per share, leases, and revenue recognition. It also covers intangibles and investments. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 3363. Governmental Accounting.
A study of concepts and techniques of fund accounting, and financial reporting for governmental and not-for-profit organizations including state and local government, universities, hospitals, and other public sector entities. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 3365. Cost/Managerial Accounting.
The study of cost/management accounting within the manufacturing and merchandising environment. Includes the analysis of cost accumulation, planning, and control within the organization. Specific topics emphasized are job order and process costing; standard costing, standard costing and variance analysis; absorption and direct costing; budgetary procedures; cost/volume profit analysis; and capital budgeting techniques. Prerequisites: ACC 2362 with a grade of "C" or better and QMST 2333 with a grade of "D" or better. Corequisite: ACC 3313 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 3385. Accounting Systems.
A study of elements of theory, procedures, and practice relating to system design and implementation for manual and computerized accounting information systems. Emphasis placed on system selection, data entry, file structure, internal control implementation, and report generation for various information end-users. Prerequisites: ACC 3313 with a grade of "B" or better and CIS 3380 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 4313. Auditing and Internal Controls.
This course provides a study of the theory and practices relating to auditing. The course emphasizes the procedures used to evaluate the effectiveness of risk management and control processes, including prevention and detection of fraud. Prerequisites: ACC 3314 and ACC 3385 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ACC 4328. Survey of Income Tax.
An introduction to Federal income tax provisions, concepts and issues concerning individuals, business and property transactions. The coursework focuses on income and expense recognition as well as tax planning opportunities. Prerequisite: ACC 3313 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 4390A. International Accounting.
This course introduces students to accounting issues unique to multinational enterprises and international business activity. Financial accounting practices are compared across different countries. The development of international accounting standards is also explored. (MULT) Prerequisite: ACC 3313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5315. Selected Topics in Financial Accounting.
The study of specialized financial accounting topics, existing and prospective, necessary for an advanced understanding of financial reporting. Topics include: pensions and post-retirement benefits, deferred taxes, derivatives, share-based payments, interim and segment reporting and emerging issues of the Emerging Issues Task Force. Prerequisite: ACC 3314 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5316. Advanced Accounting.
A study of accounting for business combinations and consolidated financial statements. Additional selected topics may include accounting for multinational operations, interim reporting, SEC reporting, partnership and governmental and not-forprofit accounting. Prerequisite: ACC 3314 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5320. Auditing.
A study of the underlying theory of external financial auditing including professional ethics, auditing standards and procedures, and the role of auditor’s judgment. (Suggested for CPA eligibility). Prerequisites: ACC 3314 and ACC 4313 both with grades of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5340. Individual Income Tax.
A study of the tax concepts and issues involved in an individual’s employment and personal life, and in sole proprietorships, property transactions, tax administration and tax practice. Regulatory and ethical issues are incorporated into the discussion. This course may not count as an elective in any master’s program in the McCoy College of Business. Prerequisite: ACC 3313 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5350. Professional Accounting Research.
This course provides a study of the sources of authoritative standards in financial accounting. The course develops procedures for identifying the applicable accounting issues, locating appropriate authority, and communicating the results of professional research. Prerequisite: ACC 3314 with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5352. Financial Statement Reporting and Analysis.
A study of financial statement reporting and analysis. Use of tools and skills will be used to analyze and interpret financial reports for assessing financial performance of firms to facilitate investment, lending, and other financial decisions in a variety of business contexts. Prerequisite: ACC 3313 with a grade of "B" or better or ACC 5361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5355. IT Auditing.
A study of the IT audit: the process of collecting and evaluating evidence of an IT system practices and operations. The course develops understanding of the procedures to test whether the systems are safeguarding assets, maintaining data security and operating effectively and efficiently. Prerequisite: ACC 4313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5357. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisites: ACC 3313 and ACC 3314 both with a grade of "B" or better and ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5361. Accounting Analysis for Managerial Decision Making.
Use of accounting information for improving managerial decision making. Emphasis is on understanding the practice of business management, budgeting, cost behavior, and operational, internal, and management control. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5362. Cost and Managerial Accounting Theory.
A study of recent developments and topics in the area of cost and managerial accounting. Includes a discussion of quantitative techniques and their applicability to accounting problems. Prerequisites: ACC 3365 or ACC 5361 either with a grade of “B” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5366. Business Entity Taxation.
Federal income tax provisions affecting business decisions, with an emphasis on C Corporations, Limited Liability Companies, and Partnerships. An introduction to the choice, formation, organization, operation and distribution rules or the preceding business entities. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5367. Seminar in Auditing.
A continuing study of the underlying theory of auditing with an emphasis on professionalism, ethics, and legal liability. Coverage will also extend to the responsibilities and standards of external auditing, internal auditing, governmental auditing, and international auditing, including exposure to current developments in these areas. Practical applications will focus on risk assessment, the use of analytical procedures, and the use of the computer as an audit tool. Prerequisite: ACC 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5369. Special Studies in Accounting.
Directed study and research on selected accounting topics, including the development of accounting thought and research in; advanced tax topics, international accounting, professional ethics and managerial and financial accounting. Courses will be offered as independent instruction. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ACC 5370. Internship in Accounting.
Experiential learning during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ACC 5371. Accounting Information Systems.
This course studies various accounting information systems technologies used to enhance business process operations. It also explores management of risks and controls, and management of information resources. Prerequisite: ACC 3385 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5372. Tax Research.
An examination of the sources of tax authority, which include its primary sources (legislative, judicial, and administrative), as well as secondary sources. The course also develops procedures for identifying the applicable tax issues, locating appropriate tax authority, and communicating the results of tax research. Prerequisites: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5373. Fraud Detection and Prevention.
This course provides and in-depth study of how and why fraud is committed. It explores red flags that may help in detecting fraudulent activities, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5375. Business Information Consulting.
Integrative capstone for the MSAIT program using principles and concepts applied through the analysis and presentation of case studies dealing with current issues or emerging trends in the fields of accounting and information technology for the accounting professionals serving as consultants. Prerequisite: ACC 5371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5377. Partnership Taxation.
A comprehensive study of the tax implications of conducting a business as a partnership or as a limited liability company. Life-cycle analysis and tax planning considerations are emphasized. Prerequisite: ACC 4328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5378. Tax Practice, Procedures, Audits and Controversy.
This course focuses on the procedural aspects of tax planning and tax return preparation. Coverage includes IRS enforcement tools and corresponding taxpayer rights, audits and appeals, civil and criminal penalties, and statutory relief provisions. Professional standards and ethical considerations in tax practice are emphasized. Corequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5389. Corporate Governance and Ethics.
A study of the corporate governance and ethical issues in accounting, including ethical reasoning, integrity, objectivity, independence, core values and professional issues. Prerequisites: ACC 3314 with a grade of "B" or better and ACC 3363 and ACC 3365 and ACC 4313 and [ACC 4328 or ACC 5340] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ACC 5390A. International Accounting.
A study of the impact of international business activity on accounting standard setting. This course investigates the development of international accounting standards and compares those standards to US standards. Students taking ACC 4390A for credit may not take ACC 5390A for credit. Prerequisite: ACC 3313 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

ACC 5390F. Mergers, Acquisitions, and Consolidations Taxation.
This course on mergers, acquisitions and consolidations will examine the tax ramifications and corporate strategies considerations of buying, selling and combining different companies; the onsolidated tax return consequences of those affiliated groups; and the residual outcomes and tax attributes that result from corporate divisions. Prerequisite: ACC 5366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390G. Sustainability Reporting.
This course on sustainability reporting strategies will examine analytical methods and reporting techniques used by for-profit and non-profit companies to support sustainable operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390I. Regulation and Professionalism.
This course will cover the professional and legal responsibilities and liabilities of the accounting profession and tax preparers; the commercial law applicable to business transactions; and the legal structure of business organizations. It will also provide a basic overview of corporate and partnership taxation, focusing on current topics and developments. Prerequisite: ACC 3314 and ACC 4328 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5390K. Oil and Gas Taxation.
This course provides an introduction to US federal income taxation of domestic oil and gas operations and transactions. The course examines taxation associated with the operational life-cycle of oil and gas operations including exploration, development, production and abandonment. Certain international tax aspects will be considered. Prerequisite: ACC 4328 with a grade of "B" or better.
3 Credit Hours. 45 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ACC 5680. Internship in Accounting.
This internship involves experiential learning over one entire semester during which the students work in accounting. This work experience may be in public, industry, or governmental accounting units. The student is immersed in a variety of intensive work assignments with increasing levels of responsibility. Students taking ACC 5370 for credit may not take ACC 5680 for credit. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Adult Education (ADED)

ADED 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5314. Community Development for Educators.
Educators in community organizations and higher education will develop a theoretical and practical understanding of the role of learning, teaching, and leading within a community development framework. They will develop an awareness of self as change agent and community builder, as well as the importance of tapping into community assets.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5321. Adult Learning and Development.
This seminar will cover a range of topics of interest of professionals working with adult learners in a variety of settings, including characteristics and motivations of adult learners; theories of adult learning and intelligence; modes of adult cognitive and psychosocial development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5322. Human Resources and Professional Development.
This course examines the primary role of human resources development in the organization to help people and organizations effectively manage change. It focuses on strategies for implementing training and organizational development efforts that positively impact the performance of the individual and the work group.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5325. Teaching Adults: Principles and Practices.
This seminar addresses methods and techniques for effective instruction of adults across a variety of settings and content. The emphasis is on concepts, theories, and principles relevant to the selection, use, and evaluation of instructional strategies. Participants will have an opportunity to practice strategies that expand their teaching repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5330. Planning, Evaluating, and Managing Programs in Adult Education.
This seminar course introduces skills and concepts needed to plan, evaluate, and manage adult education programs within various settings. This course addresses principles and procedures, utilization of assessment, goal setting, and other effective strategies for developing learning opportunities and programs responsive to human, professional, and community needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5335. Applied Research in Adult Education.
An examination of purpose, principles, and methods of current research in adult education. Quantitative, qualitative, and mixed methods research design will be investigated as used in applied research including action research, evaluation research, and needs assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5337. Adult Literacy.
The course is designed to provide students with a broad foundation about the needs of undereducated adults, including adult English language learners. Students will analyze and evaluate adult literacy legislation, instruction, research, and delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5338. Applied Linguistics for ESL Teachers of Adults.
This course is designed to provide language teachers a practical introduction to the elements of the English language as applied to the teaching of ESL in adult settings; specifically, the course covers English syntactic structure, morphology, and phonology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5339. Adult Literacy ESL Assessment and Evaluation.
This course is an introduction to assessment of adult students with emphasis on literacy and ESL populations. It is an overview of assessment constructs and social and historical movements in student literacy assessment and evaluation traditional assessment and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5340. Adult Second Language Acquisition.
This course covers topics related to contemporary adult second language acquisition practices. It also examines the complexities of adult second language acquisition and the ways in which limited English-proficient adults learn more efficiently. Class readings and projects address a variety of issues dealing with adult second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5342. Adult ESL Methods and Materials.
This course reviews traditional and contemporary adult language teaching methodologies. It focuses on the design of lessons that integrate listening, speaking, reading, writing, culture and all language skills. This course provides strategies for choosing, adopting, and adapting textbooks that integrate teaching material appropriate to different adult language learning settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5343. Organizational Learning and Development.
The course addresses a range of topics, including the effects of change, methods of organizational change, and factors influencing organizational development success. Students learn the roles of internal and external organizational development consultants, tools and processes for helping organizational members identify problems, gather and analyze information, and implement solutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5344. Multicultural Perspectives in Postsecondary Education and Adult Education.
This seminar covers a broad range of topics related to diversity within postsecondary and adult education. Course readings and projects relate to a wide variety of settings including colleges and universities, adult literacy programs, the workplace, and community-based organizations. Students taking ADED 5344 may not take ADED 7344 for doctoral level credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ADED 5345. Current Issues in Adult, Continuing and Professional Education.
A seminar style course focusing on current issues in continuing and professional education including research and professional practice. Specific emphasis will vary depending on changes in contemporary issues. Students taking ADED 5345 may not take ADED 7345 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5346. Adult and Nontraditional Students in Higher Education.
This seminar focuses on the "nontraditional student" in higher education, with emphasis on undergraduates 25 and older. Also considered are other nontraditional students facing similar challenges to participation in higher education. Topics include student characteristics, motivations, barriers, persistence, and outcomes as well as institutional and programmatic responses to this population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5357. Advanced Studies in Action Research.
This course examines underlying theory, practice, skills, and issues in action research. Students will be introduced to various educational research methods used in action research and review the components and processes of action research. They will develop a plan for an action research project focused on a specific educational problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5364. Team Development in Education.
This course addresses the development and use of educational teams to improve educational organizations, teaching, and learning. Team development instruction focuses on managing teams, identifying leadership roles. Study topics include: the importance of shared leadership, product teams, and team decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5378. Problems in Adult Education.
This course is designed to examine topical problems faced by practitioners in adult education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5382. Foundations of Adult Education.
This course will provide an overview of the field of adult education in its various forms and settings. Topics include (1) historical origins of adult education as a field of study and practice, (2) philosophical perspectives, (3) organization and delivery of adult education, and (4) emerging developments and issues in the profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 5384. Internship in Adult Education.
The 150-clock hour internship is required of all Adult Education majors. The experience involves instruction and/or administration in an adult education setting and includes orientation to the roles, responsibilities, and functions of professionals in adult education. Prerequisites: ADED 5321 and ADED 5330 and ED 7324 and ADED 7325.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5389A. Oracy and Language Expression for Educators.
This course focuses on the theory and practice of public speaking in different contexts. It emphasizes interplay between audience analysis, speaker goals, organized outlines, delivery and development of personal style of presentation skills. The course offers experience writing, delivering, and constructively evaluating public speeches in a variety of contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ADED 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Adult Education 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ADED 7325. Teaching Adults: Principles and Practices.
Seminar that addresses methods and techniques for effective instruction of adults across a variety of settings and content. Emphasis on concepts, theories, and principles relevant to the selection, use, and evaluation of instructional strategies. Participants will have an opportunity to practice strategies that expand their teaching repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7337. Adult Literacy.
This course is designed to provide students with a broad foundation about the needs of undereducated students with a broad foundation about the needs of undereducated adults, including adult English language learners. Students will analyze and evaluate adult literacy legislation, instruction , research, and delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7342. Adult ESL Methods and Materials.
This course reviews traditional and contemporary adult language teaching methodologies. It focuses on the design of lessons that integrate listening, speaking, reading, writing, culture and all language skills. This class provides strategies for choosing, adopting, and adapting textbooks that integrate teaching material appropriate to different adult language learning settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7343. Organizational Learning and Development.
The course addresses a range of topics, including the effects of change, methods of organizational change, and factors influencing organizational development success. Students learn the roles of internal and external organizational development consultants, tools and processes for helping organizational members identify problems, gather and analyze information, and implement solutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7344. Multicultural Perspectives in Postsecondary Education and Adult Education.
This seminar covers a broad range of topics related to diversity within postsecondary and adult education. Course readings and projects relate to a wide variety of setting including colleges and universities, adult literacy programs, the workplace, and community based organizations. Students who have completed ADED 5344 may not take this course for doctoral credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ADED 7345. Current Issues in Adult, Continuing and Professional Education.
A seminar style course focusing on current issues in continuing and professional education including research and professional practice. Specific emphasis will vary depending on changes in contemporary issues. Students who have completed ADED 5345 may not take this course for doctoral credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ADED 7346. Adult and Nontraditional Students in Higher Education.
This seminar focuses on the "nontraditional student" in higher education, with emphasis on undergraduates 25 and older. Also considered are other nontraditional students facing similar challenges to participation in higher education. Topics include student characteristics, motivations, barriers, persistence, and outcomes as well as institutional and programmatic responses to this population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Aerospace Studies (A S)

A S 1000. Leadership Laboratory.
An integral and mandatory two-hour lab accomplished concurrently with all Aerospace Studies courses. It is a progression of practical command and staff experiences that develop leadership potential. AFROTC cadets plan, organize, direct, coordinate, and control all activities. The lab is repeatable without credit because it focuses on different leadership processes.
0 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Time Conflicts Permitted
Grade Mode: Credit/No Credit

A S 1110. The Air Force Today I.
A study of the doctrine, mission, and organization of the United States Air Force; United States strategic offensive and defensive forces, their missions and functions; and employment of nuclear weapons. Co-requisite: A S 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

A S 1120. The Air Force Today II.
An introduction to flight, oral and written communication for the Air Force officer, Air Force installations, the Air Force profession and how the Air Force integrates with the U.S. Army, Navy, Marines, and Coast Guard. Co-requisite: A S 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

A S 2110. The Development of Air Power I.
A historical study of the development of air and space power beginning before the first powered flights through WWI, the inter-war years, and WWII, tracing the development of various air power concepts with a focus on factors prompting aerospace research and technological change. Co-requisite: A S 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

A S 2120. The Development of Air Power II.
A continuation of A S 2110 studying the historical development of air and space power from Vietnam to the present. Events and trends in the history of airpower are examined, emphasizing examples of the impact of air and space power on strategic thought. Co-requisite: A S 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

A S 3311. Leadership and Management I.
A study of the framework of leadership in the Air Force (AF), part 1. Practical case studies examine AF leadership and management situations and discipline and ethics scenarios that demonstrate applications of the concepts. The course emphasizes communication skills used by officers in the AF. Co-requisite: A S 1000.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

A S 3312. Leadership and Management II.
A study of the framework of leadership in the Air Force (AF), part 2. Practical case studies examine AF leadership and management situations and discipline and ethics scenarios that demonstrate applications of the concepts. The course emphasizes communication skills used by officers in the AF. Co-requisite: A S 1000.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

A S 4311. National Security Forces in Contemporary American Society I.
Part 1 of the study of professional Air Force (AF) officers in a democratic society; societal attitudes toward the armed forces; national defense structure, policy development; and military law. AFROTC cadets study topics that prepare them for duty as AF officers. The course emphasizes AF communication skills. Co-requisite: A S 1000.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

A S 4312. National Security Forces in Contemporary American Society II.
Part 2 of the study of professional Air Force (AF) officers in a democratic society; societal attitudes toward the armed forces; national defense structure, policy development; and military law. AFROTC cadets study topics that prepare them for duty as AF officers. The course emphasizes AF communication skills. Co-requisite: A S 1000.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

African American Studies (AAS)

AAS 2310. Introduction to African American Studies.
Course provides an overview of black culture in America from an interdisciplinary approach, employing scholarship from history, literature, music, visual and performing arts, folklore, religion, sociology, psychology, philosophy, economics, and political science. It introduces epistemological considerations, theories, and methods that form the field of African American and African Diaspora Studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AAS 4320. Global Perspectives on the African Diaspora.
Course connects the transatlantic slave trade, contemporary migrations, their legacies, and speaks to the broader issues of the African diaspora in relation to previous and ongoing struggles of black people for rebirth, progress, justice, and racial uplift. Examines African Diasporic women's definition of feminism while suggesting no universal black feminism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

Agricultural Education (AGED)

AGED 5101. Instructional Skill Development.
Graduate assistants are required to enroll in this course to be prepared to instruct/assist with classes in Agricultural Education. Topics covered are essential teaching strategies, techniques, evaluation design, ethical classroom behavior, and effective instructional motivational techniques. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AGED 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AGED 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AGED 5314. Special Problems in Agricultural Education.
The student is given the opportunity to work on problems of special interest and need in the discipline of agricultural education. May be repeated (once) for additional credit when the problem differs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

AGED 5318. Administration and Supervision of Vocational Education.
The administration of comprehensive vocational education programs with emphasis on the operation and implementation of programs governed by state and national laws.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AGED 5319. Principles and Methods of Adult Education.
The rationale, planning, implementing, conducting, and evaluation of adult education programs in formal and non-formal settings will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AGED 5320. History and Philosophy of Agricultural Education.
This course covers the history, basic principles, and philosophy of different programs of agricultural education existing today.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AGED 5321. Methods of Technological Change.
The dynamics of cultural change as theoretical framework for planned technological change, methods of implementing change, the effects of change, and the prediction of change will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AGED 5330. Research Methods in Agricultural Education.
The principles and procedures of using and communicating both quantitative and qualitative research in agricultural education will be addressed. Special emphasis will be given to using appropriate methods to address research problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AGED 5331. Guidance.
Analysis of occupational and vocational opportunities for vocational students; includes work in interpersonal communications as well as in the techniques of individual and group counseling in guidance. Practice in personality and occupational interest testing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AGED 5335. Curriculum Development of Vocational Programs.
Principles and practices in developing curricula for different areas of vocational education will be emphasized. The dynamics of cultural and technological changes on methods of planning and implementing vocational curricula as it relates to the educational needs of vocational youth will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AGED 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Agricultural Education, AGED 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AGED 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AGED 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AGED 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Agriculture (AG)

AG 1110. Careers in Agriculture.
This course is an introduction to careers available in the broad field of agriculture including an overview of personal and career qualifications needed for workplace success.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: AGRI 1131

AG 1445. Basic Animal Science.
An introductory course designed to acquaint students with the importance of the livestock industry. A study of the types and breeds; market classes and grades of beef cattle, swine, sheep, goats, horses, and poultry; attention will be given to breeding, judging, care, and management.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: AGRI 1419

AG 2310. Applied Leadership Principles.
This course prepares students for professional leadership and service, with emphasis on application of leadership principles. The course will focus on guiding students in developing enhanced leadership skills through group and individual leadership enhancement projects and topic research. Prerequisite: AG 1110 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 2313. Agronomic Crops.
A study of the production, harvest practices, storage, and use of cereal and feed grains, fiber crops, forages, and other related crops requiring special technology.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: AGRI 1307

AG 2345. Horse Management.
A course designed as a broad but thorough coverage of most areas of horse husbandry and production, including anatomy, physiology, breeding, feeding, training, and health care. Laboratory sessions are designed to acquaint the student with modern methods of breeding, training, and care of the horse.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 2367. Animal Ultrasonography.
A study of current developments and utilization of animal ultrasonography technology in agriculture. Hands-on training in animal growth and development, animal breeding, animal handling and management, animal reproduction, computer technology and data interpretation.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 2373. Introduction to Agricultural Engineering.
An introductory course designed to acquaint students with a wide range of concepts, principles and applied technologies in agricultural engineering. A problem solving course.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: AGRI 2303

AG 2374. Metal Fabrication and Welding Technology for Agriculture.
This course covers the principles and practices of applied metallurgy and welding. Emphasis is given to the management of the technologies and techniques associated with oxy-fuel cutting, shielded metal arc welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Plasma Arc Cutting (PAC). Prerequisite: AG 2373 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 2379. General Horticulture.
A survey of the general field of horticulture including general areas of employment.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: AGRI 1315

AG 2383. Introduction to Agricultural Economics.
The role of agriculture in the general economy; the study of basic economic concepts with their application to the agricultural firm; the structure and operation of the marketing system; the functional and institutional aspects of agricultural finance; international trade; and government farm programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: AGRI 2317

AG 2390. Computer Applications in Agriculture.
Introduction to computers and computer technology; operation and application of the computer in production agriculture and agricultural business, services and industries. Includes characteristics of computer hardware and software, accessing and using the computer in agriculture.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: AGRI 1309

AG 3301. Genetics of Livestock and Plant Improvement.
Fundamental principles of genetics and their application to higher plants and animals. The physical basis of Mendelian inheritance, expression and interaction of genes, gene frequency, linkage, sex linkage, inbreeding, line breeding, and crossbreeding as applied to selection indices for livestock and plants. (WI) Prerequisites: AG 1445 and BIO 1130 and BIO 1330 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AG 3302. Herbaceous Plant Materials.
This course will include the identification, selection, use, and management of annuals, perennials, herbs, and ornamental grasses in the landscape. Each student will learn irrigation, fertilization, pruning, and other cultural needs of such plants. The laboratory will complement lecture.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3304. Propagation of Horticultural Plants.
Principles and practices of propagating ornamental plants, vegetables, and fruits by sexual and asexual methods including germination of seed, layerage, graftage, division, cuttage, bulbs, corms, and other vegetative plant structures. Study of physical, physiological and environmental factors affecting propagation of ornamental plants.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3305. Woody Plant Materials for Outdoor Landscapes.
Study of woody plant material including fruit and ornamental trees, shrubs, and ground covers and their identification, nomenclature, and use in the planting and development of home landscapes.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3306. Flowers and Plants for Interior Design.
Study of flowers, cut flowers, foliage and blooming pot plants to enhance the interior design of homes and businesses including their identification, cultural requirements, uses, diagnoses and corrective measures of disorders. Basic principles of flower arrangement and the preparation of floral and plant decoration as used in interior design. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

AG 3308. Organic Gardening.
Study of principles and practices that involve the production of vegetables by organic methods. Fertility and irrigation; as well as weed, insect and disease control by practices will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 3310. Agriculture Power and Machinery Technology.
This course covers the principles of 2 stroke and 4-stroke cycle engines, ignition, and combustion types including injection systems. Components including power and power transmissions and hydraulic systems will also be addressed. Prerequisites: AG 2373 and [MATH 1315 or MATH 1319 or MATH 2321 or MATH 2471] both with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3314. Animal Health and Disease Control.
A course designed to enable the animal science student to understand basic veterinary principles as applied to prevention of disease in domestic livestock. Common diseases of livestock are considered, with emphasis on sanitation and modern preventative methods concerned with keeping livestock healthy. Prerequisite: AG 1445 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 3317. Farm Management.
Tools and techniques which are basic to the study of farm organization and decision making, the wise allocation of factors of production, the keeping of records, and income tax management. Prerequisites: AG 2383 and AG 2390 and [MATH 1316 or MATH 1319] all with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3318. Agricultural Business Management.
This course introduces institutions and functions of agribusiness. The institutional structure of agribusiness such as feed, farm machinery and equipment, farm chemicals, financial institutions and private and public agri-services will be delineated. Various agribusiness functions such as organizational behavior and financial, market and human resource management will be discussed. Prerequisites: AG 2383 and AG 2390 and [MATH 1315 or MATH 1319 or MATH 2321 or MATH 2471] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 3319. International Food and Fiber Systems.
This course presents the food and fiber system from an international perspective. Analysis of food production and consumption patterns under different world economic systems, causes of surpluses and shortages throughout the world; the role of trade in solving food and agricultural problems. Global outlook and situation for food and fiber. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

AG 3321. Range Management.
Practical problems met in managing native pastures and rangelands. Attention to determining range condition and proper stocking rates, methods of handling livestock on the range, range reseeding, brush control, and poisonous plants. The ecological and physiological response of range vegetation to grazing. Prerequisite: AG 1445 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 3325. Animal Nutrition.
Principles of animal nutrition with emphasis on digestion, absorption, metabolism, and function of nutrients; estimation of feedstuff nutritive value; and requirements of animals. (WI) Prerequisites: BIO 1130 and BIO 1330 and CHEM 1141 and CHEM 1341 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AG 3329. Economic Entomology.
A study of the most common insects of field crops, fruits, and vegetables; life history, methods of attack, damage, and means of preventing and controlling. Collection and mounts of insects will be made.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3330. Applied Wildlife Nutrition.
Basic and fundamental principles of nutrition for ruminant and non-ruminant wildlife with emphasis in North American and African wildlife. Attention will be given to digestive physiology and anatomy, feed sources, forage resources, and nutrient requirements. Prerequisite: AG 1445 or [BIO 1130 and BIO 1330] any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

AG 3331. Reproduction in Farm Animals.
An examination of the anatomy and physiology of reproductive systems of livestock of economic importance. Attention is given to reproductive failure and disease. The laboratory includes pregnancy testing, semen collection and evaluation, artificial insemination techniques, and evaluation of breeding records. Prerequisites: AG 1445 and [AG 3301 or BIO 2450] both with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3345. Livestock Selection and Evaluation.
Detailed consideration of the factors involved in the selection and evaluation of beef cattle, sheep, swine, rabbits, goats, and chickens. Emphasis will be placed on the care, grooming and exhibition of livestock projects. Prerequisite: AG 1445 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3351. Agricultural Marketing and Sales.
A study of the food marketing system and farm input sales; includes the functional systems approach that integrates the agricultural input industries into a discussion of food marketing; takes a micro approach to the development of marketing management skills needed in agribusiness; and provides a critical outlook on issues ranging from inputs to final food products. (WI) Prerequisites: AG 2383 and [MATH 1315 or MATH 1319] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AG 3352. Quantitative Methods in Agricultural Economics.
Principles involved in collection, tabulating and analyzing agricultural data. Topics include sampling procedures, questionnaire development, descriptive analysis of data, correlation, prediction and forecasting and tests of significance. Simple computer programs will be stressed for class exercises during the course. Prerequisite: MATH 1315 or MATH 1319 or MATH 2321 or MATH 2471 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3353. Agricultural Structures and Environment.
Principles and practices associated with structural components, selection, materials of construction, heat and moisture control, and the environmental issues of waste management systems; a problem solving course. Prerequisites: AG 2373 and AG 2390 and MATH 1315 all with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3375. Management of Agricultural Machinery and Equipment.
This course addresses the optimization of the equipment phases of agricultural production and processing. Emphasis will be placed on management and decision making principles concerned with the efficient selection, operation, repair, maintenance, and replacement of machinery and equipment. Prerequisites: AG 2373 and AG 2390 and CHEM 1141 and CHEM 1341 and [MATH 1315 or MATH 1319 or MATH 2321 or MATH 2471] all with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3426. Soil Science I.
This course introduces fundamental principles of soil science to acquaint the student with some physical, chemical, and biological properties of the soil. Prerequisites: CHEM 1141 and CHEM 1341 and [AG 2313 or AG 2379 or BIO 1330] all with grades of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 3427. Soil Science II.
Management of soils as pertaining to their place in the environment. Special emphasis will be given to the role of soil in conventional agricultural systems, natural resource systems, waste management systems, and reclaimed and artificial soil systems. (WI) Prerequisite: AG 3426 with a grade of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

AG 3455. Land Surveying.
Engineering practices used in plane and geodetic surveying including differential and profile leveling, topographic, land, boundary and cadastral, and construction surveys. Laboratory exercises include use of dumpy levels, transits and total stations, and GPS (Global Positioning System) total station with RTK (real time kinematic). Planimeters and stereoscopes are used in analyzing aerial maps. Prerequisites: MATH 1315 or MATH 1317 or MATH 1319; AG 2373 and AG 2390.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required|Time Conflicts Permitted
Grade Mode: Standard Letter

AG 4185. Current Problems in Technical Agriculture.
A course for advanced undergraduates to study subject matter of special interest in agriculture. Problems in agronomy, economics, animal science, plant science, and farm mechanics may be selected. May be repeated for up to three semester hours credit. Course may not be taken for graduate credit. (WI) Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Dual Enrollment Permitted|Writing Intensive
Grade Mode: Standard Letter

AG 4212. Program Building.
This course focuses on program and curriculum development in agricultural education settings. Primary course elements will include determining program and curriculum goals and objectives, implementing the program, and curriculum evaluation. Corequisite: AG 4343 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 4300. Greenhouse and Nursery Management.
Planning greenhouses for commercial and home use; plant-nursery layouts. Study of the physical and economic factors affecting the production of plants in the greenhouse and other forcing structures, and in the field; management techniques used in the production and marketing of greenhouse and nursery plants. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

AG 4302. Fruit and Vegetable Crop Production.
Factors influencing small-fruit and tree-fruit and vegetable crop production in the field including root stocks, varieties, soil, planting, transplanting, irrigating, fertilizing, pruning, insects, diseases, nematodes, weeds, chemicals, harvesting, storing, and marketing; greenhouse production of certain vegetables. (WI) Prerequisite: AG 2313 or AG 2379 either with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

AG 4304. Landscape Management.
To acquaint students with the practices and techniques used in professional landscape construction and management, and with the scientific and technical basis for such practices.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 4305. Landscape Design.
Landscaping combines elements of art and science to create functional, aesthetically pleasing outdoor space. This class helps students develop knowledge of design elements and principles. Students learn site and client analysis techniques for critiquing landscapes. Students learn to communicate ideas through the planning and drawing of landscape plans.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 4307. Professional Development in Agriculture.
This course requires students to select a topic of current interest appropriate to the major. Critical analysis of the situation including both positive and negative aspects will be encouraged. Findings will be presented in both oral and written form. (Capstone Course).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AG 4310. Agricultural Internship.
This course integrates professional and academic experience through internship with an external employer. The internship is designed to provide actual work experience, observation and analysis in the student's chosen career field. Prerequisites: Junior or Senior standing and a GPA of 2.75 or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

AG 4311. Instructional Methods for Career and Technology Educators.
An analysis of the instructional techniques, strategies and methods appropriate to the effective teaching of career and technology subjects. Teaching special populations and teaching in multicultural environments will be addressed. To be taken the Fall semester before student teaching.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

AG 4325. Feeds and Feeding.
Study of feedstuffs used in livestock enterprises. Application of basic nutrients to the needs of different species of livestock. Formulating rations, methods of feeding, feed control laws, and feeding investigation. Prerequisites: AG 1445 and BIO 1130 and BIO 1330 and CHEM 1141 and CHEM 1341 all with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 4326. Advanced Animal Science-Ruminants.
The application of scientific and technological advances to production and management in ruminant animal production and management. Prerequisite: AG 1445 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

AG 4328. Advanced Animal Science-Poultry and Swine.
Application of basic principles in the production and management of nonruminant animals. Scientific and technological advances with emphasis on overall management, health care, nutrition, genetics, physiology, and marketing of nonruminant animals. Prerequisite: AG 1445 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AG 4330. Food Technology: Processing Meats.
Evaluation and grading of carcasses; wholesale and retail cuts of beef, pork, lamb, and poultry. Emphasis on quality controls, testing of finished products that have been frozen, cured, fried, pickled, and canned. Prerequisites: AG 1445 and BIO 1130 and BIO 1330 and CHEM 1141 and CHEM 1341 all with grades of "D" or better or instructor approval.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 4343. Organization and Management for Laboratory Programs.
This course examines instructional programs involving laboratory equipment and facilities. Curriculum, teaching methods, equipment and facility management practices including various aspects of safety, tool management, inventory and security are emphasized along with facilities layout planning. Must be taken in last semester of program. Corequisite: AG 4212 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 4361. Agriculture Electric and Mechanical Systems.
Electrical fundamentals applied to agricultural production and processing. Circuits, power, energy, wiring design, and motor fundamentals; selection, installation and operational characteristics. Sensors and control devices including switches, relays, timers, and circuit breakers will be studied. Prerequisite: AG 2373 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AG 4371T. International Horticulture.
The purpose of this program is to introduce students to the English culture and way of life, as well as England's historic role in Horticulture, past and present. Students will intensely study from the following four horticultural fields: Ornamental Horticulture, Landscape Design, Vegetables/Fruit Crops, and Vineyards and Hops. The program includes basic instruction in English history, as well as lectures and field trips.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

AG 4371U. Anatomy & Physiology of livestock.
A course examining the external and internal systems of livestock. Skeletal anatomy, cell physiology and biological systems will be explored, with emphasis on livestock. Prerequisite: AG 1445 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

AG 4371V. Green Revolution & Agricultural Development in Asia.
This course will provide a detailed retrospective of the Green Revolution in Asia, its achievement and limits in terms of agricultural productivity improvement, and its broader impact at social, environmental, and economic levels.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

AG 4371W. Intermediate Microeconomics and it's Application in Agriculture.
This course is designed to be an intermediate-level microeconomics, with emphasis on its application in agriculture. The course will cover topics such as consumer and producer theories, game theory, labor and capital markets, uncertainty, externalities, and public goods and their application to real-world agricultural problems. Prerequisite: AG 2383 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

AG 4379. Agriculture Irrigation Technology.
This course teaches the principles associated with water management practices in maintaining soil productivity and the influence of water management on environmental quality. Emphasis will be placed on the selection and layout of irrigation and drainage systems, waste management systems, and the impact on the environment. Prerequisite: AG 2373 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 4380. Agricultural Finance.
This course introduces finance and financial problems faced by agribusiness managers. The subject matter includes financial analysis, planning, and control; capital budgeting; capital structure, liquidity, and risk management; and financial markets. Prerequisites: ACC 2361 and AG 2383 and [MATH 1315 or MATH 1319 or MATH 2321 or MATH 2471] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 4381. Agricultural Policy.
Identification and analysis of governmental programs and policies affecting the production and marketing of agricultural products. An economic evaluation of alternative policies and their application for farmers, consumers and agribusinesses will be considered. (WI) Prerequisites: AG 2383 and [MATH 1315 or MATH 1319] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AG 4383. Agricultural Resource Economics.
This course introduces economic concepts and institutional factors relating to the use of agricultural resources such as land, air, water, energy, space, etc. Emphasis is on the conservation of resources and the environmental interactions resulting from the use of natural resources for agricultural production. (WI) Prerequisite: AG 2383 and [MATH 1315 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2471] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AG 4681. Student Teaching in Agriculture, Food, and Natural Resources 6-12.
Students will apply knowledge and skills learned during the teacher preparation program while engaging in clinical practice with experienced Agriculture mentor teachers in school settings with university instruction and supervision. This culmination experience is required for Texas teacher certification. Prerequisite: Minimum 2.75 Overall GPA and instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Credit/No Credit

AG 5100. Professional Development.
This course introduces key concepts and practices for teaching college courses. It provides regular in-service training and planned periodic evaluations of instructional responsibilities. It is required for first-year teaching and instructional assistants in the Master's of Science in Integrated Agricultural Sciences. Graded on a credit (CR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AG 5101. Research Experience.
This course provides students with an opportunity to explore a focused research topic. Ideally the topic would be an emergent topic within their research area that was unplanned and resulted from their initial investigation. May be repeated twice for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

AG 5120. Aquaponic Internship.
This course provides students with hands-on production experience in aquaculture. Students will complete 64 hours of internship with an aquaponic facility.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

AG 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AG 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AG 5300. Applied Statistics and Econometrics for Agriculture.
This course focuses on data analysis, modeling techniques and their applications with statistical inference for agriculture. This course will cover statistical tools applied in agriculture, including probability, sampling, principles of estimation, hypothesis testing, general linear models, multiple regression analysis, qualitative response modeling, and other related tools widely used in agriculture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5301. Agricultural Development and Policy.
This course focuses on current issues that integrate agricultural policy, resource development, application of welfare criteria and economic analysis, and food and rural development problems of the U.S. and the world. Course topics include integrated agricultural and rural development, food and nutrition security, commodity issues, and trade policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5302. Economics of Agricultural Production.
This course focuses on analysis of agricultural production economic concepts and models. Topics will include traditional neo-classical theory of the firm, duality theory, resource allocation, production selection, scale of operation of agricultural firms, and risk and uncertainty associated with agricultural production.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5303. Agricultural Marketing and Price Analysis.
This course emphasizes marketing theory and structure, characteristics of demand and supply of farm products, agricultural price research techniques for evaluating marketing behavior, market legislation, and market development. The course will provide an opportunity for students to develop marketable skills in quantitative price and market analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5304. Economics of Sustainable Natural Resource Management.
This course provides economic tools to analyze sustainable natural resources and environmental issues. It enables students to develop integrative expertise in economic analysis utilizing natural and behavioral sciences. The integrative expertise provides students with the ability to more effectively, efficiently, and sustainably manage natural resources for multiple objectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5310. Research Methods in Integrated Agricultural Sciences.
This course covers research techniques, literature analysis, the development and implementation of experimental designs, conceptual models and survey instruments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5320. Integrated Agricultural Production in Aquaponic Systems.
This course focuses on crop and fish production, pest management, water quality, nutrient management, and economics and marketing in aquaponic systems. Topics covered include contrasts and comparisons to soil based, hydroponic cropping and aquaculture (confined fish production without crop interactions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5323. Composting and Integrated Resource Management.
The course provides experience and theoretical foundation for the basic design, production, management, utilization and marketing of composts, vermicomposts and related products, and non-renewable natural resource issues related to agriculture.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5324. Agroecology and Integrated Agriculture.
This course will focus on integrative and ecological principles of agricultural production. Emphasis will be on sustainable agriculture, complex systems, production diversity, integrated animal-crop systems, resilience and small producers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5350. Foundations of Ethics and Leadership in Agriculture.
This course prepares students for professional leadership and service in agriculture, with emphasis on applications of ethics and leadership principles. The course will focus on industry ethics and leadership theory in various professional settings in agriculture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5351. Grant Development and Management.
This course explores competencies of locating external agency funding for agricultural research, teaching and extension. The principles of producing a competitive proposal that includes multi-, cross and inter-disciplinary collaborations are also discussed. The development of the grant proposal, implementation, budget, and evaluation plan will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5352. Program Development and Evaluation.
This course examines philosophies of program development, implementation and evaluation to meet stakeholders' expectations. Emphasis is placed on methodologies that effectively evaluate agricultural programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5354. Instructional Design in Agricultural Education.
This course examines instructional design models appropriate from a pedagogical and andragogical viewpoint. Emphasis is placed on theories and models to support the design of print-based, web-based, or multimedia-based instruction. Students will prepare evaluation strategies to assess comprehensive instruction in a high-tech environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5355. Methods of Technological Change.
This course explores the dynamics and culture of technological change in agriculture. Topics covered will include ways to implement change, skills for being an innovator and a change agent, how to predict the effects of change, and the integration of other sciences into agricultural sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5360. Advancements in Animal Science.
Survey of the current knowledge and concepts in animal production including economic considerations and current production problems in breeding and feeding livestock.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5361. Food Technology and Meat Science.
This course explores the science and instrumentation of meat science; including food safety, processing and evaluation of wholesale and retail cuts of beef, pork, lamb, and poultry; including fresh, cooked/smoked, grilled, and pickled products. The evaluation of consumer preference and economic returns based on product presentation will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5362. Advanced Animal Science: Minerals and Vitamins in Animal Nutrition.
This course is an advanced study of the utilization and requirements of minerals and vitamins in farm and ranch animals. It emphasizes ruminant and non-ruminant mineral and vitamin metabolism and utilization. The utilization of specific minerals and vitamins by different species will be used to explain and predict subsequent performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5364. Biology of Reproduction in Farm Animals.
This course will focus on animal agriculture reproduction and examine the molecular principles of reproduction. Topics will include molecular reproductive endocrinology, advanced physiology and current research in animal reproduction science.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5365. The Role of Animal Science in Society: An Integrated Approach.
This course provides students with a broad understanding of the role animals have in society, the influences of animal production on economic development, changes in policy and social viewpoints of animal production, and the development of domesticated animals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5370. Special Problems in Technical Agriculture.
Special problems will be selected to meet the needs of the individual student. May be repeated (once) for additional credit when the problem differs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

AG 5390. Foundation Studies in Agriculture.
This course is a leveling course to provide prerequisite knowledge necessary for graduate-level coursework in Agriculture. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 9 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AG 5398. Professional Paper.
This course is required for non-thesis students to prepare a professional paper of publishable quality. Graded on a credit (CR), no-credit (F) basis. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

AG 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Integrated Agricultural Sciences. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AG 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AG 5426. Soil Health and Development.
This course focuses on the fundamental topics of soil health and development. These fundamentals include pedogenesis, mineral composition, tillage practices, soil ecosystem and sustainability, soil biology and soil physics.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5463. Animal Molecular Genetics.
This course examines the theory and practice of molecular genetics of livestock. Topics covered include genetic concepts and theory, as well as applications of these concepts in animal agriculture; e.g., Mendelian genetics, genomic revolution, cloning, epigenetics and transgenics. The course emphasizes techniques and underlying biological principles in genetics.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

AG 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

AG 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

American Sign Language (ASL)

ASL 1410. Beginning American Sign Language I.
Introduction to understanding and using American Sign Language within the cultural framework of the deaf community. Students who take ASL 1410 toward degree requirements must also complete ASL 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: SGNL 1401

ASL 1420. Beginning American Sign Language II.
Continued practice in understanding and using American Sign Language within the cultural framework of the deaf community. Students who take ASL 1410 toward degree requirements must also complete ASL 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: SGNL 1402

ASL 2310. Intermediate American Sign Language I.
Continued development and review of American Sign Language within the cultural framework of the deaf community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SGNL 2301

ASL 2320. Intermediate American Sign Language II.
More advanced practice in American Sign Language within the cultural framework of the deaf community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SGNL 2302

Anthropology (ANTH)

ANTH 1312. Cultural Anthropology.
In this course students examine the nature of cultural variation of populations in the present and recent past. Its subjects include social, political, economic, and ideological aspects of human cultures. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080|Multicultural Content
Grade Mode: Standard Letter
TCCN: ANTH 2351

ANTH 2414. Biological Anthropology.
This lecture and accompanying laboratory course examine fundamental aspects of the biological nature of humans using evolutionary theory. Course content is divided into topics devoted to the process of evolution, genetics, the primate order, osteology, human evolution, and variability and adaptation.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: ANTH 2401

ANTH 2415. Introduction to Archaeology.
This course covers the basic principles of archaeology. It includes a study of the kinds of sites; classification of stone artifacts; methods of archaeological survey and excavation; methods of dating by geological, faunal, and radiometric means; and the theoretical approach to archaeology. This course includes a weekly laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

ANTH 3101. Writing Anthropology.
This course offers tutelage in professional scholarly writing, word processing software, library research, scientific and ethnographic writing styles, and effective use of anthropological literature. Because it provides core skills presupposed by advanced anthropology courses, students should enroll in it alongside their first writing-intensive anthropology electives.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3201. Professionalization in Anthropology.
This course surveys the breadth of careers open to people holding anthropology degrees. Issues discussed include professional ethics, specialized skill sets, the transferable skills of liberal arts degrees, broad trends in the labor market, and steps toward pursuing relevant careers.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3301. Principles of Cultural Anthropology.
This course is an ethnographically-based analysis of major theoretical positions and debates in contemporary anthropology. (WI) Prerequisites: ANTH 1312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3302. Introduction to Linguistic Anthropology.
This course provides an introduction to the study of linguistic anthropology. We will focus on the origin of language and its evolution and diversity, the interactions between language, culture and society, and modes of communication. This course will enhance a student's awareness of the complex interrelationships between language and other aspects of culture. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 3303. Applied Cultural Anthropology.
In this course students learn the methods applied cultural anthropologists use to address social problems such as poverty, sustainable development, conflict, climate change, community health, workplace and product design, education, and cultural heritage, as well as the value "thinking anthropologically" has for a wide range of careers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3304. Bioarchaeology.
Bioarchaeology is the study of human skeletal remains in relation to the archaeological record. In this course students will study theories and methods used in the analysis of human skeletal remains in bioarchaeology to reconstruct patterns of subsistence, diet, disease, demography, biological relatedness, and physical activity of past populations. Prerequisite: ANTH 3381 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 3305. Magic, Ritual and Religion.
An examination of magic and religion in cultures of the world with an emphasis on recent works dealing with mysticism and the occult. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 3306. World Prehistory.
This course presents a survey of the prehistoric human record throughout the world. It focuses upon the achievements of early and modern humans, world colonization events, and the development of complex societies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3307. History of Evolutionary Thought.
This course discusses the impact of evolutionary discourse within the context of its history. Students will develop a thorough understanding of evolution and its importance to anthropology, as well as to other scientific disciplines. (WI) Prerequisites: ANTH 2414 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3308. Cultural Resource Management and Archaeology.
This course surveys Cultural Resource Management (CRM) archaeology, the conservation and investigation of archaeological remains as mandated by federal and state laws. The course covers the history of CRM and its legal and regulatory framework, organization, methods, funding, employment prospects, and ethical and practical dilemmas. Prerequisite: ANTH 2415 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3309. Cultures Through Film.
Through films, lectures, and discussions, students explore the various ways that ethnographic film interprets the cultural environment and social interactions of small-scale cultures around the world. We will also discuss anthropological interpretations of how historically U.S. (American) culture has dealt with concepts of the “other” and supernatural phenomena through film. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 3311. Disease and Society.
In this course students examine infectious diseases and the effect they have on human societies. The course is organized into case studies of specific infectious diseases, which focus on the biology and epidemiology of a disease as well its social impact.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3313. Aztec: Native Americans and Empire.
This course presents an understanding of Aztec culture through archaeology, the interpretation of art, religion, and architecture, and the formation of a highly specialized and stratified society with an imperial administration. The course will emphasize an intellectual and religious outlook in intimate contact with the earth, sky, and the seasons.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3314. Latin American Cultures.
This course examines different aspects of Latin American indigenous cultures from a variety of theoretical perspectives in anthropology. Emphasis is on the Maya, and different theoretical perspectives provide different interpretations of data. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ANTH 3315. Archaeology of the Southwest.
An examination of the prehistory and early cultures of the Greater Southwest from the first arrival of humans as early as 20,000 years ago to the coming of the Spaniards in the 16th century. The course covers several mammoth kill sites at the end of the Pleistocene; the emergence of Archaic hunters and gatherers and the appearance of agriculture about two thousand years ago, leading to the three major cultures in the southwest-the Mogollon, the Hohokam and the Anasazi, the last in multistoried pueblos and cliff dwellings. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 3316. The Origin and Evolution of Human Behavior.
This course presents our current understanding of Old World Paleolithic Archaeology. The origin and evolution of hominid behavior, the initial colonization of the Old World, and the development of modern human behavior will be discussed for each continent. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ANTH 3317. Rock Art Field Methods.
This course will train students in rock art field methods. They will gain first-hand experience recording rock art sites through photography, field sketches, mapping, and written inventories. Students will generate a visual and written description of the art, which they will use to infer and explain past human behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3318. Texas Archaeology.
This course will present our current understanding of Texas archaeology. The environmental and social contexts of prehistoric, protohistoric, and historic records of Native American and Spanish occupations in Texas are discussed. (MULT) (WI). Prerequisites: ANTH 2415 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ANTH 3319. Human Growth and Development.
In this course students focus on the life history of humans from birth to death, and consider how humans grow and change both biologically and psychologically over the course of their lives. Topics include life stages, sex differences, nutrition, environment, growth disorders, and the evolution of human growth.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3322. Peoples and Cultures of Africa.
This course is a general introduction to the contemporary peoples and cultures of Africa. Students will examine the social structure, economy, political systems, and religions of African cultures in the context of the radical economic and social transformations affecting the area. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 3324. Mexican American Culture.
An examination of the history and culture of Mexican Americans with an emphasis on the analytical concepts of culture, race, class, and gender. Lectures, films, and selected readings (including chapters from anthropological and literary books and journals) will be used to portray the diversity of Mexican American experiences in this country. Topics include religion, politics, economy, identity politics, popular culture, sexuality, marriage and the family. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 3325. Medical Anthropology.
This course focuses on how illness identities are culturally constructed, how adaptations or maladaptations to local environments affect health, how political and economic forces influence health and health behaviors, and how the practice of medical anthropology can contribute to solving urgent health issues around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3327. Anthropology of Religion and Fundamentalism.
This course provides students with current and historical approaches to the anthropology of religion with a particular emphasis on fundamentalism. It focuses on the development of religious fundamentalism in different cultural contexts, geopolitical situations, and religious traditions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3328. Primate Cognition.
In this course students investigate historical and current views regarding the cognitive capacities of nonhuman primates, and the extent to which these abilities are shared with humans. Topics include social cognition, numerical cognition, problem solving, tool use, culture, communication, theory of mind, deception, selfrecognition, and imitation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3329. Comparative Juvenile Behavior.
This course will give students a thorough understanding of the comparative method through examples from the development of juvenile animals. It will introduce students to socioecology, neurobiology, and life history markers, with information that they can apply across disciplines. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3330. Curation of Archaeological Materials.
This course provides students with the skills to prepare archaeological materials for curation, which includes the processes and techniques used to stabilize and preserve organic and inorganic materials. This training can be used to gain certification in the field of archaeological curation. Prerequisite: ANTH 2415 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 3331B. Anthropology in Practice.
This course introduces students to the application of anthropological ideas, methods, and skills in multiple employment sectors. Students will develop key job skills in communication, team work, networking, professional development, and project management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 3331D. Dental Anthropology and Oral Biology.
The biological development of the cranio-facial structures will be presented with emphasis on hard tissue anatomy and diseases. Dental traits will be discussed in relation to human evolutionary concepts. Forensic methods that support identification of human remains are emphasized. This course is appropriate for anthropology students and pre-professional dentistry. Prerequisite: ANTH 2414 or ANTH 3381 or [BIO 1130 and BIO 1330] any with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 3331E. Anthropology and the Law.
This course explores the role of law as an instrument of social change, justice, and human rights. Topics include law as a social system, understanding legal reasoning, identifying key actors, how law influences change, how law is depicted in popular culture, and how law influences anthropological research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 3331F. Nonverbal Communication-Gestures.
Communication involves the use of 'invisible' words and gestures, or 'visible actions.' This course focuses on gestures, what they are, how they are used, what role they play in communication and in thinking, and their cultural underpinning. Students will learn the theoretical and methodological issues involved in studying different gestures across societies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 3332. Myths and Moundbuilders.
This course presents an anthropological approach to Native Americans of the Southeastern United States, their culture and beliefs. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ANTH 3335. The Anthropology of Native American Belief Systems.
In this course students use anthropological approaches to investigate past and present Native American belief systems in order to determine the temporal range and evolving complexity of Native American religious and ritual expression.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3336. Community Research Project.
This course gives students the opportunity to conduct hands-on anthropological research on a variety of topics in local or other communities. Students will undertake individualized research projects designed in conjunction with the professor. Students must consult with the professor prior to enrollment to design the research project and receive approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3337. Language and Linguistics.
This course is concerned with the theoretical and methodological study of language, what constitutes the knowledge of a language, how this knowledge is acquired, and how it is used. Other areas of interest include the properties of human language, its representation in the mind, learnability, origin, and change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3338. Geoarchaeology.
This course will teach students how to interpret sediments and the nature of sediment accumulation at archeological sites. Course topics include sedimentology, natural depositional environments, weathering processes and soil development, stratigraphic analysis, and archaeological site formation processes. (WI) Prerequisites: ANTH 2415 or GEOL 1410 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3339. Contemporary Film and Global Culture.
This course examines the relationship of recent film to both national culture and our increasingly globalized world culture. It focuses on the relationship between the creators of film, their intended audiences and the cultural context of both of these. It explores the way that film relates to current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3340. Human and Primate Origins.
An examination of the long and diverse record of human and nonhuman biological adaptations as viewed from the fossil record. It examines the functional and ecological challenges that may have been responsible for the path of human development.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3342. Primate Behavior.
In this course, students will learn about the behavior, ecology and conservation of nonhuman primates (lemurs, lorises, monkeys, and apes).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3343. Human Variation and Adaptation.
This course examines the physical variation observable within and between human populations. It emphasizes a functional approach whereby variation is examined in relation to biological adaptation. It explores the biological mechanisms responsible for change and evaluates the potential of biological components in human behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3345. Archaeology of Mexico.
This course examines the development of culture from early hunters and gatherers through the appearance of agriculture to the rise of civilization. The focus of the course is on the emergence of complex society among groups such as the Olmec, Aztec, and Maya. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ANTH 3347. Archaeology of North America.
This course describes human settlement of North America from the end of the Pleistocene to European discovery. It considers early occupation of arctic, plains, and forested regions and development during archaic times of Adena, Hopewell, and Mississippian societies in the Southeast and Mogollon, Hohokam, and Anasazi in the Southwest. Prerequisite: ANTH 2415 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3348. Rainforest Ecology.
In this course, students will learn about the ecology and conservation of rainforest flora and fauna, with particular emphasis on primates.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3349. The Incas.
The Incas were the largest Pre-Columbian empire in the Americas and this course will explore the origins of this civilization and how they conquered such a large area of South America. Using archaeological and historic information the class will examine various aspects of Inca society including religion, economics, and kingship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3350. Gender and Sexuality in Cross-cultural Perspective.
This course examines historical and contemporary issues related to gender and sexuality from a global, cross-cultural perspective. It will focus on cultural constructions of gender and sexuality, including gender stratifications, biology and evolution, families and kinship, work, sex work, diverse sexualities, media representations, and domestic and sexual violence. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 3351. Anthropology of Peace and Violence.
This class explores anthropological perspectives on peace and violence. It focuses on understanding violent practices within both traditional and current day societies including everyday violence and warfare. It explores the contributions of social structure, gender, religion, race, and ethnicity to violence. It examines efforts to build peace and reconciliation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 3352. Language and the Body.
This class focuses on how language shapes our identities and deeply held beliefs about our bodies. Students will have an opportunity to engage in discourse analysis of media representations as well as collect and analyze their own conversational data using the methods of linguistic and cultural anthropology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3353. Human Structure and Function.
Students study the structure and basic function of the human body with emphasis on the skeletal, muscular, and nervous systems. This course provides a basis for other courses in biological anthropology.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 3356. Archaeology of Andean Civilizations.
This course examines the cultures of the Andes Region of South America with an emphasis on pre-Columbian and contemporary peoples of the area.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3358. Human Evolutionary Anatomy.
This course is designed to give students an anatomical background to the study of human evolution with a focus on the comparative anatomy of apes, living humans, and fossil hominins.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 3360. Economic Anthropology.
Reviews central issues in economic anthropology, using both case studies and theoretical writings. Analyzes production, exchange, distribution, consumption,property, economic surplus, inheritance, and types of economic structure. Materials will cover huntergatherer societies, simple agricultural societies, pre-capitalist complex state societies, and issues of development in nonindustrialized countries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3361. Archaeological Field Methodology.
In this course students will learn about planning, organizing, and carrying out archaeological field investigations from survey to excavation to specialized data recovery. The focus is on the research strategies, techniques and logistics necessary to design and accomplish successful field research. (WI) Prerequisite: ANTH 2415 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3363. The Art and Archaeology of the Olmec.
This course will present our current understanding of the art and archaeology of the Olmec culture, the earliest known civilization in North America. The Olmec culture is considered the influential foundation for later Mesoamerican civilizations such as the Maya and the Aztec.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 3364. Biological Basis of Human Behavior.
Students in this course evaluate studies on the biological basis of human behavior and explore the question of whether behavioral patterns are genetically fixed. It includes popular and scientific approaches to themes such as the evolution of human behavior, biology and behavior, race and racism, biological determinism, and human universals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3375C. Historical Archaeology.
This course is a survey of historical archaeology methods and theories that will intensively examine current trends in historical archaeology. Students will also be exposed to the material culture from historic period archaeological sites in Texas and North America.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 3377. Anthropology of Youth.
This class will provide an overview of issues in adolescent and emerging adult health and development in national and international contexts. Drawing from several disciplines including anthropology, education, public health, psychology, and sociology, we will critically examine existing research on youth and discuss underlying assumptions, research methodologies, and findings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3380. Forensic Anthropology.
Forensic Anthropology is the recovery and analysis of human skeletal remains for modern legal inquiry. This course is an overview of the field of Forensic Anthropology illustrated with real forensic cases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3381. Human Osteology.
The foundation of biological anthropology is the study of the human skeleton. This is a lab-intensive course in which students will learn how to identify skeletal elements, both whole and fragmentary.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 3382. Archaeology of the Earliest Americans.
Precisely when the first people arrived in the Americas, where they came from, and how they got here are the subjects of longstanding debate. In this class we will draw upon archaeological, biological, linguistic, and environmental evidence to reconstruct the earliest human prehistory of the New World.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 4303. Human Speech Sounds.
This course is an introductory overview of human speech production and perception from an anthropological perspective. It describes speech anatomy and pays particular attention to the description of the acoustic and articulatory properties of speech as it occurs in real time. Students will study articulatory, acoustic, and auditory phonetics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 4304. Language, Culture and Society.
This course seeks to introduce students to the fundamentals of linguistic anthropology, and the use of linguistics in anthropological fieldwork through lecture, discussion, and "hands on" class exercises.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 4309. Culture, Medicine and the Body.
This course explores how the human body, functions of the body, and the practices of medicine and healing are situated and contextualized within cultural frameworks. Case studies cover body and health-related topics over the life course, from birth to death. (WI) Prerequisite: ANTH 3325 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 4310. Theories and Issues in Anthropology.
This course explores major theoretical and historical developments in anthropology, highlighting the discipline's unique four-field perspective that includes archaeology, biological and cultural anthropology, and anthropological linguistics. Topics stress the importance of anthropological thought in key scientific discoveries and cultural debates. Prerequisites: ANTH 1312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 4315. Archaeological Artifact Identification and Analysis.
This course will train students to describe and analyze artifacts commonly recovered from archaeological sites. Current theories covering the production and analysis of chipped and ground stone tools, ceramics, bone and other materials will be presented, and scientific analytical methods discussed. Prerequisites: ANTH 2415 with a grade of "D" or better and one additional archaeology course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 4320. Rise of Civilization.
This course consists of a definition of civilization and its components, its geographic setting, and the roles of religion, art, and the institution of the "Divine King" in the development of dynamic state societies in Egypt, Sumeria, the Indus Valley, and China in the Old World and that of the Olmec in Mexico and Chavin in Peru. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ANTH 4326. Field Methods in Forensic Anthropology.
In this course students will learn how to locate, excavate and recover human remains, associated personal effects, and other materials in order to ensure legal credibility for all recoveries. Prerequisite: ANTH 4382 with a grade of "D" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 4337. Theory in Linguistic Anthropology.
In this course students will be introduced to the major theories of linguistics through reading and discussing classic and contemporary literatures. Particular attention will be given to how the various theories have influenced linguistic anthropology. (WI) Prerequisites: ANTH 1312 or ANTH 3302 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 4339. Theoretical Concepts in Archaeology.
This course provides a broad survey of theory in archaeology as it is practiced throughout the world. It includes both historical perspectives and contemporary usage. (WI) Prerequisites: ANTH 2415 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 4360. Directed Study.
A one-semester course of independent reading, tutorial sessions, and individual research projects. Open to superior students by invitation of the professor and with the consent of the chair of the department. May be repeated for credit with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ANTH 4361. Field Methods in Cultural Anthropology.
This course teaches students how to conduct field research in cultural anthropology. Topics include research ethics, problem formulation, participant observation, interviewing, and other techniques for data collection and analysis. Students will conduct their own field research project under the instructor's supervision. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 4363. Methods in Primate Research.
In this course, students will learn about the methods used to study primates in captive and field settings.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 4381. Paleopathology.
This course focuses on the study of diseases and maladies of ancient populations, and will survey the range of pathology on human skeletons from trauma, infection, syphilis, tuberculosis, leprosy, anemia, metabolic disturbances, arthritis, and tumors. (WI) Prerequisite: ANTH 3381 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ANTH 4382. Methods in Skeletal Biology.
This course is for students who wish to advance their osteological skills. Students will learn how to identify isolated and fragmentary skeletal remains to estimate age, sex, ancestry, stature, and health of an individual in past and present contexts. Prerequisite: ANTH 3381 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 4390. Internship in Anthropology.
This course provides students with professional development through work or research-related experience. After consulting the internship coordinator, students choose placements matching their interests and develop individualized internship contracts. Interns meet to discuss career preparation and anthropological topics related to each intern's activities, keep a journal, and submit a final report. Prerequisites: Minimum 2.5 Major GPA and instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ANTH 4600. Bioarchaeology Field and Laboratory Methods.
In this course students will be trained in the documentation, contextual assessment, and recordation of human skeletal remains in bioarchaeological settings. Students will engage in research projects, gaining practical laboratory and field experience. Prerequisite: ANTH 3381 with a grade of "D" or better or instructor approval.
6 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 4630. Archaeological Field School.
This course is designed to train students in the skills and techniques of modern archaeological survey and excavation of prehistoric sites. May be repeated for credit, but only six hours may be applied toward the major.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

ANTH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5301. Advanced Principles of Cultural Anthropology.
This course is an ethnographically-based analysis of major theoretical positions and debates in contemporary anthropology. (Stacked course with ANTH 3301.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5302. Practicum in Teaching Anthropology.
An introduction to key concepts and practices in the teaching of college-level Anthropology. The course provides training in the practical aspects of classroom instruction. Required for first-year teaching and instructional assistants in the Anthropology Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ANTH 5303. Speech Analysis.
The focus of this course is the analysis of human speech sounds. It includes description of the acoustic properties of speech sounds, transcription of sounds using the International Phonetic Alphabet system, an understanding of the acoustic theories of speech, and practical experience in forensic speakers' identification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5304. Sociolinguistics.
The focus of this course is on the complex interrelationships between language and other aspects of culture. Methods of sociolinguistics, theories of sociolinguistics, and current issues regarding the nature of language variation and change will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5305. Anthropological Statistics.
In this course students will learn how to statistically analyze anthropological data. Students will gain a firm understanding of basic quantitative statistics, will be able to evaluate quantitative methods presented in anthropological research papers, and will be prepared for classes in more advanced statistical methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5306. Anthropology and Art.
In this course students will investigate the function of art and symbolism in pre-literate archaeological cultures that existed at the tribal and chiefdom levels of political and social development. A multidisciplinary focus will use anthropology and art historical approaches as research tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5307. History of Evolutionary Thought.
This course discusses the impact of evolutionary discourse within the context of its history. Students will develop a thorough understanding of evolution and its importance to anthropology, as well as to other scientific disciplines.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5308. Cultural Resource Management and Archaeology.
In this course students will examine various topics relevant to cultural resource management including state and federal laws, survey, testing, mitigation, and developing final reports.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5309. Culture, Medicine and the Body.
This course explores how the human body, functions of the body, and the practices of medicine and healing are situated and contextualized within cultural frameworks. Case studies cover body and health-related topics over the life course, from birth to death.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5310. Theories and Issues in Anthropology.
This course explores major theoretical and historical developments in anthropology, highlighting the discipline's unique four-field perspective that includes archaeology, biological and cultural anthropology, and anthropological linguistics. Topics stress the importance of anthropological thought in key scientific discoveries and cultural debates.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5311. Seminar in Cultural Anthropology.
In this course, students will learn the historical foundations of cultural anthropology, its key theories and methods, and examples of its contemporary practice. Topics will include evolutionism, functionalism, structuralism, ethnoscience, neo-Marxism, postmodernism, and modernity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5312. Seminar in Biological Anthropology.
In this course, students will learn the historical foundations of biological anthropology, its key theories and methods, and examples of its contemporary practice in evolutionary theory, human variation, paleoanthropology, primatology, and skeletal biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5313. Seminar in Archaeology.
In this course, students will learn the historical foundations of archaeology, its key theories and methods, and examples of its contemporary practice in New World and Old World archaeology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5314. Latin American Cultures.
Comprehensive study of cultures from Latin America. (Stacked course with ANTH 3314.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5315. Archaeological Artifact Identification and Analysis.
This course will provide students with the skills, knowledge and ability to describe, characterize, and analyze artifacts commonly recovered from archaeological sites. Current theories covering the production and analysis of chipped and ground stone tools, ceramics, bone and other materials will be presented, and scientific analytical methods discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5316. The Origin and Evolution of Human Behavior.
This course presents our current understanding of Old World Paleolithic Archaeology. The origin and evolution of hominid behavior, the initial colonization of the Old World, and the development of modern human behavior will be discussed for each continent. (Stacked course with ANTH 3316).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5317. Rock Art Field Methods.
This course will train students in rock art field methods. They will gain first-hand experience recording rock art sites through photography, field sketches, mapping, and written inventories. Students will generate a visual and written description of the art, which they will use to infer and explain past human behavior. (Stacked course with ANTH 3317).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5318. Texas Archaeology.
This course will present our current understanding of Texas archaeology. The environmental and social contexts of prehistoric, protohistoric, and historic records of Native American and Spanish occupations in Texas are discussed. (Stacked course with ANTH 3318.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5320. Rise of Civilization.
This course examines the components that led to the dynamic state societies in Egypt, Sumeria, the Indus Valley, and China in the Old World and that of the Olmecin Mexico and Chavin in Peru. (Stacked course with ANTH 4320.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5321. Seminar in Forensic Anthropology.
This course is designed as a critical survey of the theory and methodology utilized by forensic anthropologists. Through intensive review of the literature, the student will gain an appreciation for the development of the discipline, the techniques used in forensic skeletal analysis, and new research directions within the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5322. Peoples and Cultures of Africa.
This course is a general introduction to the contemporary peoples and cultures of Africa. Students will examine the social structure, economy, political systems, and religions of African cultures in the context of the radical economic and social transformations affecting the area. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5324. Mexican American Culture.
This course examines the history and cultural practices of Mexican Americans, with a special emphasis on race, class, gender, and sexuality. Topics include historical heritage and transculturation, discrimination, organizations, activism, activism, zoot suits, lowriders, gangs, coloñias, families, marriage, quinceañeras, machismo, domestic violence, gays and lesbians, religious practices, and the arts. (Stacked course with ANTH 3324.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5325. Medical Anthropology.
This course focuses on how illness identities are culturally constructed, how adaptations or maladaptations to local environments affect health, how political and economic forces influence health and health behaviors, and how the practice of medical anthropology can contribute to solving urgent health issues around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5326. Field Methods in Forensic Anthropology.
In this course students will learn how to locate, excavate and recover human remains, associated personal effects, and other materials in order to ensure legal credibility for all recoveries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5327. Anthropology of Religion and Fundamentalism.
This course will examine the phenomenon of fundamentalism in a variety of religious traditions, both present and historical. Students will explore the political and social ramifications of fundamentalism in a world characterized by multiculturalism and globalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5328. Primate Cognition.
This course covers historical and current views of the cognitive abilities of nonhuman primates and humans. (Stacked course with ANTH 3328).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5329. Comparative Juvenile Behavior.
This course will give students a thorough understanding of the comparative method through examples from the development of juvenile animals. It will introduce students to socioecology, neurobiology, and life history markers, with information that they can apply across disciplines.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5330. Curation of Archaeological Materials.
This course provides students with the skills to prepare archaeological materials for curation, which includes the processes and techniques used to stabilize and preserve organic and inorganic materials. This training can be used to gain certification in the field of archaeological curation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5332. Myths and Mound Builders.
This course presents an anthropological approach to the iconography of the Native Americans of the Southeastern Ceremonial Complex. (Stacked course with ANTH 3332.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5333. Research Design in Biological Anthropology.
This course provides students with an introduction to the principles and processes by which research projects in biological anthropology are devised and executed. It focuses on the issues of finding a topic to research, defining its scope and limitations, developing a research bibliography, and elaborating a research design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5335. The Anthropology of Native American Belief Systems.
In this course students use anthropological approaches to investigate past and present Native American belief systems in order to determine the temporal range and evolving complexity of Native American religious and ritual expression.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5336. Community Research Project.
This course gives students the opportunity to conduct hands-on anthropological research on a variety of topics in local or other communities. Students will undertake individualized research projects designed in conjunction with the professor. Students must consult with the professor prior to enrollment to design the research project and receive approval. (Stacked course with ANTH 3336).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5337. Theory in Linguistics Anthropology.
In this course students will be introduced to the major theories of linguistics through reading and discussing classic and contemporary literatures. Particular attention will be given to how the various theories have influenced linguistic anthropology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5338. Geoarchaeology.
This course will provide students with the knowledge and ability to interpret sediments and the nature of sediment accumulation at archaeological sites. The course will provide students with a foundation in sedimentology, natural depositional environments, weathering processes and soil development, stratigraphic analysis, archaeological site formation processes. (Stacked course with ANTH 3338).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5339. Theoretical Concepts in Archaeology.
This course provides a broad survey of theory in archaeology as it is practiced throughout the world. It includes both historical perspectives and contemporary usage.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5340. Paleoanthropology.
Critical review of the human fossil record from the appearance of the earliest hominins to the appearance of modern human forms. (Stacked course with ANTH 3340.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5341. Gross Anatomy.
Students in this course examine the macroscopic structure of organs and soft and hard tissues in the human body. The course is divided into these units: back and thorax, neck and head, and upper and lower limb. Cadaver-based dissection labs accompany lecture topics.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5342. Primate Behavior.
An organized course that examines current research in nonhuman primate studies from an anthropological perspective. (Stacked course with ANTH 3342.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5343. Human Variation and Adaptation.
An organized course that examines human physical variation and adaptation from an evolutionary perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5345. Archaeology of Mexico.
This course examines the development of early huntergatherers through the appearance of agriculture to the rise of civilization in Mesoamerica. (Stacked course with ANTH 3345.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5347. Archaeology of North America.
This course examines human settlement of North America from the end of the Pleistocene to European discovery. (Stacked course with ANTH 3347.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5349. The Incas.
The Incas were the largest Pre-Columbian empire in the Americas. This course will explore the origins of this civilization and how they conquered such a large area of South America. Using archaeological and historic information the class will examine various aspects of Inca society including religion, economics, and kingship. (Stacked course with ANTH 3349).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5350. Gender and Sexuality in Cross Cultural Perspective.
This course examines the relationships between women and men in societies around the world. (Stacked course with ANTH 3350.) (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5351. Anthropology of Peace and Violence.
This class explores anthropological perspectives on peace and violence. It focuses on understanding violent practices within both traditional and current day societies including everyday violence and warfare. It explores the contributions of social structure, gender, religion, race, and ethnicity to violence. It examines efforts to build peace and reconciliation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5353. Applied Cultural Anthropology.
This class focuses on how anthropology can solve practical problems in various disciplines, including behavioral health, education, human rights, community development, and business. Students will learn about client development, contract negotiations, project design, proposal writing, preparing deliverables, communicating results to a variety of stakeholders, teamwork, networking, and navigating ethical issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5355. Seminar in Culture Theory.
An intensive examination of the principal theoretical positions in cultural anthropology, with an emphasis on the preparation of students with ethnographic analysis and fieldwork. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ANTH 5356. Andean Civilizations.
This course is a survey of civilizations in the Andean region of South America. Using archaeological data the class will examine cultural developments in the region from the earliest hunters and gatherers to the Inca Empire, the largest state in the Americas at the time of European contact.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5357. Historical Archaeology.
This course is an advanced survey of historical archaeology methods and theories that will intensively examine current trends in historical archaeology. Students will also be exposed to the material culture from historic period archaeological sites in Texas and North America.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 5360. Economic Anthropology.
This course reviews central issues in economic anthropology using both case studies and theoretical writings. Analyzes production, exchange, distribution, consumption, property, economic surplus, and types of economic structure. (Stacked course with ANTH 3360.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5361. Qualitative Methods.
This course provides instruction on qualitative methods and analysis. Students will learn through a combination of lecture and hands-on activities how to design qualitative research projects; collect qualitative data through methods such as interviews, focus groups and observations; analyze this data; and present qualitative results.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ANTH 5363. The Art and Archaeology of the Olmec.
This course will present our current understanding of the art and archaeology of the Olmec culture, the earliest known civilization in North America. The Olmec culture is considered the influential foundation for later Mesoamerican civilizations such as the Maya and the Aztec. (Stacked course with ANTH 3363.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5373G. Research Design and Proposal Writing in Cultural Anthropology.
This course will familiarize students with the basic principles and practices of effective research design and proposal writing in cultural anthropology. Students will acquire a practical experience in formulating a feasible and creative research project, performing a rigorous literature review, planning to protect human research subjects, and giving/receiving constructive peer reviews.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5373I. Anthropology in Practice.
This course introduces students to the application of anthropological ideas, methods, and skills in multiple employment sectors. Students will develop key job skills in communication, team work, networking, professional development, and project management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5373J. Dental Anthropology and Oral Biology.
The biological development of the cranio-facial structures will be presented with emphasis on hard tissue anatomy and diseases. Dental traits will be discussed in relation to human evolutionary concepts. Forensic methods that support identification of human remains are emphasized. This course is appropriate for anthropology students and pre-professional dentistry.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5373K. Nonverbal Communication-Gestures.
Communication involves the use of 'invisible' words and gestures, or 'visible actions.' This course focuses on gestures, what they are, how they are used, what role they play in communication and in thinking, and their cultural underpinning. Students will learn the theoretical and methodological issues involved in studying different gestures across societies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 5374Y. Human Evolutionary Anatomy.
This course is designed to give students an anatomical background to the study of human evolution with a focus on the comparative anatomy of apes, living humans, and fossil hominins.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ANTH 5374Z. Curation of Archaeological Materials.
This course will examine the phenomenon or fundamentalism in a variety of religious traditions, both present and historical. Students will explore the political and social ramifications of fundamentalism in a world characterized by multiculturalism and globalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ANTH 5375. Advanced Methods in Skeletal Biology, Part I.
This course focuses on laboratory analytical techniques and data collection methods used to estimate the biological profile of modern, historic, or prehistoric human skeletal remains.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5376. Advanced Methods in Skeletal Biology, Part II.
This course focuses on technical case report writing and evidentiary best practices in forensic anthropological analysis of human skeletal remains. In addition to biological profile estimation techniques, research methods and theoretical foundations used for trauma analysis and taphonomic interpretation will be reviewed. Prerequisite: ANTH 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5380. Seminar in Anthropological Research.
A course focused on a topic not normally offered in the regular curriculum. Course may be in any area of anthropological inquiry. May be repeated for credit when topics vary, but not more than 6 hours will apply towards the Master's degree.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5381. Paleopathology.
Paleopathology is the study of ancient diseases and is an important tool for understanding of past populations. In this course we will survey the range of pathology on human skeletons such as trauma, infection, syphilis, tuberculosis, leprosy, anemia, metabolic disturbances, arthritis, and tumors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ANTH 5382. Archaeology of the Earliest Americans.
This course focuses on the scientific story of the first Americans: where they came from, when they arrived, and how they met the challenges of moving across the vast, unknown landscapes of North America. Topics include exploring the hemisphere's oldest sites and how people coped with changing global climates.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5390. Directed Study.
Course of independent study open to individual students at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 5395. Internship.
Under the direction of the thesis advisor and/or the internship coordinator, a student will conduct supervised work or research, related to a student's professional development, at a public or private organization. This course may be repeated once for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ANTH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed their thesis proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 7199. Dissertation.
Original research and writing in Applied Anthropology to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 7299. Dissertation.
Original research and writing in Applied Anthropology to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ANTH 7300A. Methods in Historical Archaeology.
This course is an advanced survey of historical archaeology methods and theories that will intensively examine current trends in historical archaeology. Students will also be exposed to the material culture from historic period archaeological sites in Texas and North America.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 7300B. Histological Analysis of Bone.
Biomechanical adaptations and important metabolic processes, such as growth and development, are recorded in bone microstructure, and can be observable long after death and the decomposition of other tissues. Histological analysis provides a way to access this record, and is therefore integral to research in forensic anthropology, bioarchaeology, and paleopathology.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 7301A. Seminar in Forensic Anthropology.
This seminar course is a critical survey of past and current research by forensic anthropologists. Through intensive review of the literature, students will understand the development of the discipline, current best practices, and new research directions within the field, and master the methods and theory used in forensic skeletal analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 7301B. Primate Conservation.
This course introduces students to the diversity, distribution, and abundance of nonhuman primates. We will use principles from the field of conservation biology to examine the biological, abiotic, and anthropogenic factors related to primate extinction risk. Specifically, we will examine the various threats facing primate populations today, the ways that scientists define and monitor threatened/endangered populations, and the steps that are being taken to increase the likelihood of their survival.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ANTH 7302. Teaching Anthropology.
This course is an introduction to key concepts and practices in the teaching of college-level Anthropology. It provides training in the practical aspects of classroom instruction, and is required for first-year teaching assistants. The course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Credit/No Credit

ANTH 7305. Anthropological Statistics.
In this leveling course, students learn basic quantitative statistics, how to evaluate quantitative methods presented in anthropological research papers, and be prepared for more advanced statistical methods classes. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 7308. Cultural Resource Management.
Students will examine topics relevant to cultural resource management (CRM), especially archaeology, but also history, architecture, and cultural anthropology, done in compliance with historic preservation and environmental laws. Topics include the history of CRM, legal and regulatory framework, organization, methods, funding, and ethical and practical dilemmas.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7310. Advanced Theory in Anthropology.
In this course students examine advanced theory in anthropology, drawing from one or more of the sub-disciplines. It includes both historical perspectives and contemporary usages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7311. Seminar in Cultural Anthropology.
In this leveling course, students learn the historical foundations of cultural anthropology, key theories and methods, and examples of contemporary practice. Topics include evolutionism, functionalism, structuralism, ethnoscience, neo-Marxism, postmodernism, modernity, and ethno-racial formation. The course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ANTH 7312. Seminar in Biological Anthropology.
In this leveling course, students learn the historical foundations of biological anthropology, its key theories and methods, and examples of its contemporary practice in evolutionary theory, human variation, paleoanthropology, primatology, and skeletal biology. The course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ANTH 7313. Seminar in Archaeology.
In this leveling course, students learn the historical foundations of archaeology, its key theories and methods, and examples of its contemporary practice in New World and Old World archaeology. The course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ANTH 7315. Advanced Archaeological Techniques.
The focus of this methods course is the analyses of archaeological materials, such as ceramics, lithics, or the images and symbols of pre-historic cultures. This course may be repeated once for credit, but no more than 6 hours will apply towards the doctoral degree.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ANTH 7326. Technical Methods in Anthropology.
Technical field and laboratory methods provide a suite of tools for anthropologists and related disciplines to collect and analyze data from archaeological, bioarchaeological, forensic, and other contexts. This class focuses on practical aspects of data acquisition, analysis, and management for the various instruments (geophysical, geospatial, and imaging).
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7341. Professional Ethics In Anthropology.
Anthropologists face a variety of ethical issues as they engage in research with human and animal subjects. In this course, students will focus on many topics including review boards (IRB, IACUC), collaboration with human groups, bioethics, advocacy and activism, repatriation, intellectual property and publication, cultural heritage preservation, and workplace ethics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7344. Proposal Writing.
In this course, students will develop the expert skills necessary to write competitive research grants and contracts for applied anthropology projects. The goal of this course is for students to write a submission-ready grant to fund their PhD dissertation research. Prerequisite: ANTH 7341 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7351. GIS in Anthropology.
Geographic Information Systems (GIS) provide a suite of tools for anthropologists. This class focuses on practical aspects of GIS for the acquisition, analysis and interpretation of anthropological data. Students will engage in a hands-on approach to learning GIS applications through data acquisition, thematic mapping, data analysis, and spatial analysis.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7352. Applied Qualitative Methods.
Instruction in this course includes methods necessary to conduct applied cultural anthropology research in interdisciplinary settings. Topics include contextual interviewing, diary studies, free listing, pile sorting, panel studies and surveys. Students will also learn how to design methodologies for different types of projects, including rapid qualitative inquiries.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7353. Applied Anthropology Methods.
This class focuses on how anthropology can solve practical problems in various disciplines, including behavioral health, education, human rights, community development, and business. Students will learn about client development, contract negotiations, project design, proposal writing, preparing deliverables, communicating results to a variety of stakeholders, teamwork, networking, and navigating ethical issues.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7374. Advanced Human Osteology.
This course is a detailed study of the human skeleton, with focus on individuals at all life stages. Topics include biomechanics, embryology, and histology. Students will learn to identify hard tissue features and landmarks on whole and fragmentary bones and relate these to the associated soft tissue anatomy.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7376. Forensic Analysis of Human Skeletal Remains.
This course focuses on technical case report writing and evidentiary best practices in forensic anthropological analysis of human skeletal remains. In addition to biological profile estimation techniques, research methods and theoretical foundations used for trauma analysis and taphonomic interpretation will be reviewed. Prerequisite: ANTH 5375 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7395. Professional Externship.
Under the direction of the dissertation advisor, students will conduct supervised work or research, related to their professional development, at a public or private organization. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7397. Directed Research.
Under the direction of the dissertation committee chair, students will prepare for their candidacy exams by developing a reading list of the theory and methods used in their anthropological sub-discipline. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

ANTH 7398. Collaborative Research.
In this course doctoral students initiate, conduct, and participate in collaborative research with graduate faculty. This course may be repeated once for credit, but not more than 6 hours will apply towards the doctoral degree. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ANTH 7399. Dissertation.
Original research and writing in Applied Anthropology to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ANTH 7599. Dissertation.
Original research and writing in Applied Anthropology to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ANTH 7695. Professional Externship.
Under the direction of the dissertation advisor, students will conduct supervised work or research, related to their professional development, at a public or private organization. Prerequisite: Instructor approval.
6 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7699. Dissertation.
Original research and writing in Applied Anthropology to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ANTH 7995. Professional Externship.
Under the direction of the dissertation advisor, students will conduct supervised work or research, related to their professional development, at a public or private organization. Prerequisite: Instructor approval.
9 Credit Hours. 1 Lecture Contact Hour. 40 Lab Contact Hours.
Grade Mode: Standard Letter

ANTH 7999. Dissertation.
Original research and writing in Applied Anthropology to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Arabic (ARAB)

ARAB 1410. Beginning Arabic I.
Introduction to listening, speaking, reading, and writing skills within an Arabic cultural framework. Students who take ARAB 1410 toward degree requirements must also complete ARAB 1420. (MULT).
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ARAB 1411

ARAB 1420. Beginning Arabic II.
Continued practice in listening, speaking, reading, and writing skills within an Arabic cultural framework. Students who take ARAB 1410 toward degree requirements must also complete ARAB 1420. (MULT).
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ARAB 1412

ARAB 2310. Intermediate Arabic I.
Continued development and review of all language skills within an Arabic cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ARAB 2311

ARAB 2320. Intermediate Arabic II.
More advanced practice in all language skills with greater emphasis on reading within an Arabic cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ARAB 2312

ARAB 3301. Levantine Arabic.
An introduction to Arab dialects with a focus on Levantine Arabic (Jordan, Syria, Lebanon, and Palestinian territories). The course will emphasize oral communication and using the dialect correctly in its cultural context. It will also compare Levantine Arabic to Modern Standard Arabic. Repeatable once with different content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARAB 3302. Media Arabic.
Introduction to Arab media designed to advance students' proficiency in Arabic. It will present cultural characteristics of Arab media and describe how those characteristics differ from those of US media. The course will increase students' vocabulary knowledge and enable them to understand various Arab media sources. Repeatable once with different content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARAB 4390. Studies in Arabic Language and Culture.
In this course students will conduct an independent study project on Arabic language or culture. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Art (ART)

ART 2313. Introduction to Fine Arts.
An introductory course designed to give the student a fundamental understanding of the creation and appreciation of diverse modes of expression through the visual and performing arts. This course may not be repeated for credit by taking MU 2313, TH 2313, or DAN 2313.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050
Grade Mode: Standard Letter
TCCN: HUMA 1315

ART 3313. Introduction to Fine Arts.
This course is designed to give the student a critical understanding and appreciation of the history and principles associated with each of the artistic disciplines of theatre, dance, music and the visual arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Art Foundation (ARTF)

ARTF 1301. 2-D Design.
Introduction to the elements and principles of design through the use of a variety of two-dimensional media and techniques.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ARTS 1311

ARTF 1302. Basic Drawing.
Introduction to a variety of media and techniques for exploring descriptive and expressive possibilities in drawing.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ARTS 1316

ARTF 1303. 3-D Design.
Introduction to the elements and the principles of design through the use of a variety of three-dimensional materials and techniques.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ARTS 1312

ARTF 1304. Color Theory.
Introduction to color as a descriptive and expressive element of art, focusing on color perception and application.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ARTS 2311

Art History (ARTH)

ARTH 2301. Ancient to Medieval Art.
A survey of the history of painting, sculpture, and architecture from pre-historic through medieval periods. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ARTS 1303

ARTH 2302. Renaissance to Modern Art.
A survey of art history from the fourteenth century through the twenty-first century. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ARTS 1304

ARTH 2303. Global Art Histories.
The course surveys the arts of Asia, Africa, and the Americas, exploring the possibility of multiple art histories independent of a dominant European perspective. Students will be introduced to the paradigms of both world art and global art history, while also testing the limits of those paradigms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTH 3300. Art Criticism and Writing.
This course introduces students to the history and practice of art criticism and provides them with relevant tools and experiences to craft their own body of art criticism. Prerequisites: ARTH 2301 and ARTH 2302, all with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTH 3301. History of Modern Art.
This course offers a survey of the stylistic trends, aesthetic issues, and evolving philosophy of modern art in Europe and the Americas from 1900 to 1965.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTH 3303. Issues in Contemporary Art.
An issue-oriented survey of the diverse forms and concepts in contemporary art making practices, mostly from the United States, from 1965 to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTH 3306. History of Photography.
This course surveys the history of photography from its earliest manifestations until the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTH 3307. Issues in Contemporary Art.
An issue-oriented survey of the diverse forms and concepts in contemporary art making practices, mostly from the United States, from 1965 to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTH 4300. History of American Art.
This course provides an introduction to American art and visual culture from ancient times to the 1950s. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTH 4302. Latin American Art.
This course surveys the rich and varied visual art of Latin American and Caribbean countries from the wars of independence to the present day with a focus on recurring themes that have resonated in art throughout the region, such as modernism, internationalism, nationalism, race, identity, and political activism. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ARTH 4303. Pre-Columbian Art.
A survey of the art of Pre-Columbian sites and cultures in Mesoamerica and the Central Andes, from pre-history to the European conquest. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ARTH 4304. Global History of Cinema.
This course is a transnational survey of the evolution of cinematic form, production and reception. Students will analyze the regional and global context of selected major film styles, philosophies and industries. Movement across geographical and cultural borders will be a narrative theme that unites the films discussed. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 1.5 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ARTH 4306. Renaissance Art.
An in-depth survey of the history of Italian Renaissance art, including key works of art representative of the Northern Renaissance. Course emphasizes the study of iconography and stylistic change, in conjunction with larger cultural developments. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ARTH 4308. Asian Art.
A broad survey of the art of Asian cultures including India, Japan, and China from pre-history to the present. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ARTH 4309. Gender and Visual Representation.
This course provides an introduction to art, theory, and visual culture concerned with issues of sexuality, gender experience and difference. It explores, questions and looks beyond the power dynamics involved in traditional categories of femininity and masculinity through their symbolic expression. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTH 4310. Race and Representation.
This course explores the variegated ways that race, and, by implication, identity and difference, is figured and represented in a range of cultural productions, including art, film and visual culture. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTH 4311. History of Italian Art.
Taught on-site and centered in Florence, Italy, this course represents a targeted immersion into Renaissance art and culture and includes the study of pivotal works of art and architecture across the Italian peninsula. May be substituted for ARTH 2301 or ARTH 2302. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTH 4312. The Arts in Popular Culture.
This course examines popular culture, including the emergence of mass culture, and its complex intersection with the fine arts from the nineteenth century onwards. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTH 4313. Hellenistic Art and Culture.
This course focuses on the Greek aesthetic tradition from the fourth century BCE to the end of the first century C.E., with a cross-disciplinary emphasis on the interaction of Greek and non-Greek cultures from Northern India to the Italian peninsula. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTH 4314. Art and Politics.
This course explores various ways in which artists and patrons have worked to change or endorse political policy, exploring art both as a tool for social cohesion in support of a particular political party or ideal and as a means of political protest. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTH 4315. History of Experimental Film.
This course provides an overview of experiments in avant-garde and artists' films from 1920 until the present. Students will learn how to analyze the meaning in moving images that exhibit unconventional narratives and will examine reactions these films have provoked in audiences past and present.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTH 4316. Islamic Art.
This course will survey the art, architecture, and urban formations associated with the religion of Islam across Asia, Africa, and Europe.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTH 4320A. Documentary Photography.
This course explores key issues in the theory, history, and practice of documentary photography. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4320B. Curatorial Practices.
This course considers the history and cultural significance of the practice of curating and exhibition making. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4321N. Perspectives on Andy Warhol.
This course explores Post-World War II art and culture by focusing on the career of Andy Warhol. The class will examine the multiple media and strategies for artistic dialogue and visibility that the artist implemented over his decades-long practice from the 1960s through the 1980s. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4321O. Spanish Colonial Art of Latin America.
This course surveys the art and architecture of the Spanish and Portuguese Viceroyalties in the Americas from the conquest to the wars of independence, examining the role that art and architecture played in religion, government, social structuring, and identity formation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4321P. Artists' Writing.
This course explores ways in which visual artists have engaged with the written word in relationship to their art work. Readings will be taken from diaries, manifestos, critical and experimental essays, and works of fiction. Students will create their own writings and/or art work in response to weekly readings. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4321Q. Video Art.
This course considers the myriad ways artists have mobilized video to confront and complicate representations of people affected by the HIV/AIDS pandemic. Most of this course will be spent discussing videos and readings from the 1980s and 1990s and will be localized to the United States. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4321S. Conceptualism.
This course explores the emergence of conceptualism globally during the 1950s through the 1980s and considers its impact on contemporary art. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4321T. Art in the 1990s.
This course broadly considers the state of global art and politics in the 1990s from a postcolonial perspective. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4321U. Contemporary Art in Italy.
Taught on-site and centered in Florence, Italy, students consider a number of contemporary art and exhibition practices, with emphasis on discursive formations of the global. May be substituted for ARTH 3307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTH 4321W. Contemporary Art in Mexico.
This course explores contemporary art practices in Mexico through site visits, studio visits, readings and writing. Capitalizing on the city's dynamic artists, project spaces and museums, students will interact with some of the leading professionals in the arts.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTH 4321Y. Modernism and Design.
This seminar explores movements in modern design in the early and mid 20th-century. Topics include: graphic design's relation to art, architecture, and film; the rise of the avant-garde and the impact of ideology on design; synergies between design and commerce; and international developments in the post-WWII period. This course is conducted online; we will meet in person as a group approximately 4-5 times during the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

ARTH 4322. Special Problems.
An advanced level, independent study in art history, aesthetics, and criticism. The emphasis of the course is on scholarship, research, and writing. May be repeated with different emphasis for additional credit. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTH 4323. Art History Thesis I.
A senior-level course focused on research, methodology, and writing in art history. Prepares students for final senior thesis projects. Prerequisites: ARTH 2301 and ARTH 2302 and ARTH 3301 and ARTH 3307, all with a grade of "C" or better; and ARTH 3300 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTH 4324. Art History Thesis II.
A senior level course focused on independent research and writing in art history and on the completion of a final thesis project. Prerequisite: ARTH 4323 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTH 4325. Art History Internship.
This course will offer students the opportunity to experience and receive academic credit for professional activities related to the field of art history. Consent of instructor required.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ARTH 5302. Special Problems Advanced.
An independent study course involved with art history, aesthetics, and criticism. The emphasis of the course in on scholarship, research, and writing. May be repeated with different emphasis for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Art Studio (ARTS)

ARTS 1305. Digital Studio Foundations.
This course will provide an introduction to digital imaging software as a tool for the visual artist. Students will learn terminology, operating systems, and how to store, organize and transfer digital data. Special emphasis will be placed upon the use of the computer for conceptual and aesthetic problem solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 2301. Expanded Media I.
This introductory studio art course introduces time as a medium. Students become familiar with the unique capabilities of video, sound and performance through screenings, demonstrations, individual projects and critiques. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305 or ARTT 2372 or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 2311. Ceramics I.
An introduction to clay as a medium for creative expression. Basic hand-building and wheel-throwing methods of forming are employed to investigate form and develop conceptual awareness. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305 or ARTT 2372 or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: ARTS 2346

ARTS 2321. Drawing I.
Introduces the analytical study of the human form and the figure's potential for compositional and expressive use of drawing. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305, or ARTT 2372, or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: ARTS 2323

ARTS 2341. Metals I.
An introduction to metal as a medium for creative expression emphasizing conceptual awareness while developing technical and creative skills. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305 or ARTT 2372 or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: ARTS 2341

ARTS 2351. Painting I.
An introduction to painting emphasizing the elements and principles of pictorial composition. Provides the foundation for critical aesthetic judgment while developing technical and creative skills. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305, or ARTT 2372, or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: ARTS 2316

ARTS 2361. Foundations of Photography I.
This course introduces basic concepts in photography through lecture, readings and studio practice in traditional and digital processes. Prerequisites: ARTF 1301 and ARTF 1302, all with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 2371. Introduction to Printmaking: Screen and Relief.
This course introduces relief and screen printing techniques, covering both traditional and contemporary as well as manual and digital techniques. Provides a historical, technical, visual and conceptual foundation for printmaking. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305, or ARTT 2372 or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: ARTS 2333

ARTS 2381. Sculpture I.
An introduction to sculptural materials and processes as a medium for creative expression. Provides the foundation for critical aesthetic judgment while developing technical and creative skills. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305 or ARTT 2372 or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: ARTS 2326

ARTS 2391. Watercolor I.
An introduction to the fundamentals of transparent watercolor painting as a medium for creative expression. Prerequisites: ARTF 1301 and ARTF 1302 and ARTS 1305 or ARTC 1302, all with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: ARTS 2366

ARTS 3302. Expanded Media II.
This studio course continues explorations of formal, critical and technical approaches to time-based practices. Students incorporate diverse media and materials to generate interdisciplinary projects. Emphasis is placed on modes of presentation. Prerequisite: ARTS 2301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3303. Expanded Media III.
This is a rotating topics course in Expanded Media. Potential course topics include, but are not limited to, performance, participatory practices, institutional critique and contextual methodologies. Prerequisite: ARTS 3302 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3304. Expanded Media IV.
This is a rotating topics course in Expanded Media. Potential course topics include, but are not limited to, computer programming, web-based systems, animation, sound design and interactive multimedia. Prerequisite: ARTS 3302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3312. Ceramics II.
Through pottery forms and/or clay sculpture, students develop conceptual and expressive skills. Students formulate glazes and fire kilns. Prerequisites: ARTS 2311.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3313. Ceramics III.
Through individualized projects, students develop personal content and expression in their work. Students formulate clay bodies and slips, and investigate experimental firing methods. Prerequisite: ARTS 3312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3314. Ceramics IV.
Continued development of personal expression through a self-initiated series of works. Students investigate technically complex forming methods. Prerequisite: ARTS 3313 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3322. Drawing II.
Experimentation with techniques and materials to develop perceptual and conceptual skills leading to individual expression in drawings. Prerequisite: ARTS 2321.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3323. Drawing III.
This course focuses on the development of a personal visual statement, using the human form as subject matter. Interpretive skills are stressed, and alternative approaches to generating visual imagery are explored. Prerequisite: ARTS 2321.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3324. Drawing IV.
Emphasizes conceptual skills and critical analysis in the development of individual imagery and aesthetics in drawing. Consistent thematic drawings are required. Prerequisite: ARTS 3323 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3342. Metals II.
The development of a personal aesthetic and conceptual direction in the metal medium focusing on the relationship between surface and form. Advanced processes are introduced and the exploration of patination and surface coloration continues. Prerequisites: ARTS 2341.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3343. Metals III.
Emphasis on a personal conceptual direction in the solution of formal problems using complex construction and fabrication processes. Prerequisite: ARTS 3342 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3344. Metals IV.
An introduction to the ductile qualities of the metal medium through advanced forming and raising processes. In a series of artworks, students develop a personal aesthetic. Prerequisite: ARTS 3342.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3352. Painting II.
A series of projects synthesizing the elements and principles of pictorial composition that encourage individual creative solutions. Prerequisites: ARTS 2351.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3353. Painting III.
This course involves the development of personal imagery in painting through individualized projects. Prerequisite: ARTS 2351.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3354. Painting IV.
The conceptual and technical aspects of painting are developed through experimentation, research and evaluation. Prerequisite: ARTS 3353 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3361. Foundations of Photography II.
This course introduces black and white aesthetics and techniques within a traditional and digital context. Prerequisite: ARTS 2361 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3363. Alternative Photographic and Digital Processes.
This course places an emphasis on the conceptual and technical aspects of digital and photographic imaging using the chemistry and techniques of alternative printing methods. Prerequisites: ARTS 3361 and ARTS 3364 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3364. Introduction to Digital Photography.
This course introduces students to the aesthetics of current digital imaging technology, including new digital cameras, scanning equipment, Macintosh computers, image-manipulation programs and printing devices. Prerequisite: ARTS 2361 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3365. Studio Photography.
This course uses a studio environment to explore issues in controlled lighting in photography. Prerequisites: ARTS 3361 and ARTS 3364.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3366. Intermediate Digital Photography.
This course builds and expands upon the digital and analog concepts and techniques covered in Introduction to Digital Photography, ARTS 3364 and Foundations II, ARTS 3361. Prerequisite: ARTS 3364.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3367. Large Format Photography.
This course introduces the basic materials, processes, techniques, and aesthetics of large format photography. Prerequisite: ARTS 3361; ARTS 3364.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3372. Introduction to Printmaking: Intaglio and Lithography.
This course introduces intaglio (etching, drypoint, color printing) and stone lithographic print techniques. Techniques in traditional/analog and contemporary/digital are covered. Provides a historical, technical, visual, and conceptual foundation for printmaking. Prerequisites: ARTF 1301; ARTF 1302; ARTF 1303; ARTS 1305, ARTT 2372, or ARTC 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3373. Intermediate Printmaking.
This course allows the student to pursue any of the introduction to print techniques (screen, relief, intaglio, litho) at an intermediate level. Provides both analog and digital tools, as well as demonstrations for making fine art prints. Prerequisite: ARTS 2371 or ARTS 3372.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3374. Advanced Printmaking Level One.
This course allows the student to pursue both technical and conceptual aspects of print at an advanced level. Technical demonstrations rotate on a three-semester basis. Prerequisite: ARTS 3373.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3376. Screen Printing.
This course introduces students to contemporary and traditional techniques in serigraphy (also known as screen printing) to produce a series of four in-depth, major creative projects. Repeatable for credit. Prerequisites: ARTF 1301 and ARTF 1302 and ARTF 1303 and ARTS 1305 or ARTC 1302, all with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3382. Sculpture II.
Development of a personal aesthetic direction with emphasis on the visual, conceptual and technical aspects of sculptural form. Prerequisites: ARTS 2381 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3383. Sculpture III.
Emphasizes personal aesthetic direction through the development of advanced metal casting and fabricating techniques. Prerequisite: ARTS 3382 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3384. Sculpture IV.
This course focuses on developing conceptual and technical skills through the creation of large-scale sculpture. Prerequisite: ARTS 3383 or ARTS 4308U.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 3392. Watercolor II.
Continues the development of creative and technical skills through a series of structured watercolor projects. Prerequisite: ARTS 2391 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4000. Senior/Thesis Art Exhibition.
A senior level course in which all graduating students majoring in Studio Art with a studio specialization, Studio Art leading to All Level Certification, or in Photography, must participate during their last academic year. In consultation with thesis faculty, studio art and photography students will select work to exhibit from their Thesis I and Thesis II courses. Students earning teaching certification will select work to exhibit in consultation with art education faculty advisors.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4100. Special Problems in Studio Art.
This course provides the skills to prepare, package, and present written and professional documents and documentation of the creative work. The course also covers additional topics required for pursuing a professional career in the arts, building community, and preparing for post-BFA opportunities.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4200. Professional Practice and Portfolio.
This course covers professional topics required for pursuing a career in the arts, building community, and preparing for post-BFA opportunities. It is taken in conjunction with Thesis I-level classes; students develop written and professional documents and documentation of creative work.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4305. Expanded Media V.
This advanced studio course integrates contemporary theory and practice. Reading assignments and viewings serve as thematic prompts for students to create projects in an interdisciplinary manner. Experimentation and unexpected outcomes are encouraged. Prerequisite: ARTS 3302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4306. Expanded Media VI.
This course is the first half of Senior Thesis for students under the Expanded Media Specialization. It requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4305. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4307. Expanded Media VII.
This course is the second half of Senior Thesis for students under the Expanded Media Specialization. It requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4306. Corequisite: ARTS 4000.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4308D. Natural and Human Environment of Italy.
This courses uses Italy as the backdrop to enhance aesthetic understanding of both color (slide transparency) and black and white photography. A strong emphasis is placed on developing visual, conceptual and technical aspects of photography using advanced camera knowledge, chemistry, and sensitivity to local visual stimuli.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4308E. Fine Art Forging.
An introduction to the theories and processes of forging and blacksmithing for both ferrous and non-ferrous metals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4308I. Disegno a Firenze: Drawing in Florence.
Part of the summer program in Italy, this class focuses on drawing from various subjects in and around the city of Florence. Through daily practice, students will address not only the fundamentals of monochromatic drawing, but also the increased perception that the act of drawing engenders.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4308O. Graphic Novels and 'Zines.
This class will explore comics, zines, graphic novels and forms of narrative art as a contemporary medium. The student will be introduced to historical and contemporary examples, including cinema and printed matter. The student will create original work in comic strips, 'zines, graphic novellas and/or printed ephemera.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4308S. Mapping the City: Interdisciplinary Art in Urban Spaces.
This course will explore different methods of mapping (real and conceptual) utilitzed by contemporary artists and engage students in collaborative multidisciplinary projects. Students will build on their own interests and strengths, utilizing photography/video/interview formats/drawing/collage/etc., to build a portfolio of contemprary works. Prerequisite: ARTS 1305 with a grade of "D" or better.
3 Credit Hours. 48 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4308T. Digitally Handmade for Artists and Designers.
This class provides the fundamental skills for integrating digital fabrication technologies with other art making processes. Students will be introduced to digital design and fabrication using 3D modeling software, 3D printers, and CNC milling. A variety of materials will be taught through conceptual, technical, and creative problem solving. (Metals substitution).
3 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4308U. Soft Sculpture.
This course emphasizes personal aesthetic direction in sculpture through the study of numerous materials that are fiber based with an emphasis on contemporary practices in papermaking, sewing, surface design, and material manipulation. For students whose specialization in Sculpture, this may course may substitute for ArtS 3383 - Sculpture III. Prerequisite: ARTS 2381 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4308V. Visualizing the Culture of Beijing, China.
This course exposes students to the significance of data placed in visual context. Students will learn how data visualization can be used as a tool for cross-cultural communication and how first-hand knowledge of a foreign culture enhances design research methodologies based on their studies in Beijing, China.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4309A. Chinese Culture and Calligraphy.
This course explores Chinese art, culture, and language through calligraphy. By learning the Chinese language through calligraphy, students will identify the influence different written language systems can have on culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTS 4312. Studio Art Internship.
A course designed to offer students the opportunity to experience and receive academic credit for professional related activities in the field of the studio arts. Requires consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4315. Ceramics V.
Development of the conceptual and technical aspects of ceramics through experimentation, research and evaluation. Prerequisite: ARTS 3314 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4316. Ceramics VI – Thesis I.
The first half of the Senior Thesis for ceramics majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4315. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4317. Ceramics VII – Thesis II.
The second half of the Senior Thesis for ceramics majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4316 with a grade of "D" or better. Corequisite: ARTS 4000 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4318. Ceramics Special Problems.
An advanced level, independent study in ceramics which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3313 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4325. Drawing V.
Requires students to pursue a personal conceptual direction in drawing and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. Prerequisite: ARTS 3324 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4326. Drawing VI – Thesis I.
The first half of the Senior Thesis for drawing majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4325. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4327. Drawing VII – Thesis II.
The second half of the Senior Thesis for drawing majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4326 with a grade of "D" or better. Corequisite: ARTS 4000 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4328. Drawing Special Problems.
An advanced level, independent study in drawing which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 4325.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4345. Metals V.
Focusing on the conceptual and technical aspects of the metal medium through experimentation, research and evaluation. Requires students to pursue a personal and conceptual direction and to produce a consistent body of artwork. Prerequisite: ARTS 3342.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4346. Metals VI – Thesis I.
The first half of the Senior Thesis for metals majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4345. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4347. Metals VII – Thesis II.
The second half of the Senior Thesis for metals majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4346 with a grade of "D" or better. Corequisite: ARTS 4000 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4348. Metals Special Problems.
An advanced level, independent study in metals which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3343.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4355. Painting V.
Requires students to pursue a personal conceptual direction in painting and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. Prerequisite: ARTS 3354 with a grade of D or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4356. Painting VI – Thesis I.
The first half of the Senior Thesis for painting majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4355. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4357. Painting VII – Thesis II.
The second half of the Senior Thesis for painting majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4356 with a grade of "D" or better. Corequisite: ARTS 4000 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4358. Painting Special Problems.
An advanced level, independent study in painting which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3353 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4360. Readings in Photography.
In this intensive writing course, students will read, write, and create studio projects in reaction to historical and contemporary written accounts of the history, practice, and interpretation of photography. (WI). Prerequisites: ARTH 3306, ARTH 3307, and ARTS 3366.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTS 4363. Color Photography and Digital Imaging.
This is a course in the aesthetics of color digital and photographic imaging and color prints made from transparencies. This course emphasizes developing the visual, conceptual and technical aspects of digital and photographic imaging using advanced camera knowledge and color chemistry for printing both color negative and digital files. Prerequisite: ARTS 4364.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4364. Advanced Digital Photography.
This course explores advanced concepts and techniques in digital photography. Prerequisite: ARTS 3366 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4366. Photography Thesis I.
This course is a senior-level course for photography majors requiring a series of related photographs. This course is the first half of the senior thesis. Prerequisite: ARTS 3365 and ARTS 3366. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4367. Photography Thesis II.
This course is the second half of the Senior Thesis for photography majors requiring a series of original photographs to be documented in a written creative statement. The course culminates in a senior thesis exhibition in the gallery. Prerequisite: ARTS 4360; ARTS 4364 and ARTS 4366. Corequisite: ARTS 4000.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4368. Fine Art Photography Special Problems.
An advanced level, independent study in photography which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Must be an Art major or minor to enroll. Prerequisites: ARTS 2361; ARTF 1301, ARTF 1302.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4375. Advanced Printmaking Level Two.
The class challenges the student to make a suite of prints based on a single theme. While some new techniques may be introduced, the primary focus is on deepening the student's understanding of a particular print media. Prerequisite: ARTS 3374.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4376. Printmaking VI.
The student begins to create a conceptually linked body of work for their BFA. Written statements and other documentation are required, and priority is placed on the development of a personal and professional direction. Prerequisite: ARTS 4375. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4377. Printmaking VII.
The student completes their thesis work, culminating in participation in the Thesis Exhibition. Written statement, thesis and other professional documents are required, as is visual documentation of the thesis work. Emphasis is placed on a conceptually linked body of work and professional presentation. Prerequisite: ARTS 4376 with a grade of "D" or better. Corequisite: ARTS 4000 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4378. Printmaking Special Problems.
An advanced level, independent study in printmaking which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3373 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4379. Introduction to Book Arts.
This class examines the book as a complex visual and tactile art form. Demonstrations are given on traditional bindings from Asia and Europe. Students produce multiple mock-up books in addition to a major project of their choosing. Slide lectures introduce the history of books and an overview of contemporary artistic activity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4385. Sculpture V.
The conceptual and technical aspects of sculpture are developed through experimentation, research and evaluation. Requires students to pursue a personal and conceptual direction and to produce a consistent body of artwork. Prerequisite: ARTS 3384 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4386. Sculpture VI – Thesis I.
The first half of the Senior Thesis for sculpture majors. Requires a written statement of intent outlining the scope and objectives of the proposed thesis project followed by a related body of artwork. Prerequisite: ARTS 4385. Corequisite: ARTS 4200.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4387. Sculpture VII – Thesis II.
The second half of the Senior Thesis for sculpture majors. Requires a related body of work documented in a written progress report. Selections from the thesis project will be exhibited in a senior exhibition. Prerequisite: ARTS 4386 with a grade of D or better. Corequisite: ARTS 4000 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 4388. Sculpture Special Problems.
An advanced level, independent study in sculpture which requires students to pursue a personal conceptual direction and to develop the appropriate technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Prerequisite: ARTS 3383 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTS 5301. 2-D Advanced Special Problems.
An independent study in 2-D studio art, which requires a student to pursue a personal conceptual direction and to develop the technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Permission of instructor required to enroll.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTS 5302. 3-D Advanced Special Problems.
An independent study in studio art, which requires a student to pursue a personal conceptual direction and to develop the technical and critical skills necessary for creating a cohesive body of artwork. May be repeated with different emphasis for additional credit. Permission of instructor required to enroll.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

Art Theory and Practice (ARTT)

ARTT 2371. Fundamentals of Art Theory and Practice.
A survey and analysis of the theories and practices of art learning. Topics include: philosophy; history and theory of art learning; technology; artistic development; learning theories; assessment tools; program development; presentations and current realities; trends and issues. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTT 2372. Learning and Digital Media.
This course examines theories and practices of using electronic media for the creation of art as well as for enhancement of the art learning process. Prerequisite: ARTT 2371. Recommended co-requisite: ARTT 3373.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTT 3370. Art Theory and Practice.
Introduces the theories and practices of children's art learning for the non-art major.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTT 3372. Art Theory and Practice for Children.
A survey and analysis of the theories and practices of teaching art to children. Topics include artistic development, art programming, content, philosophies, methodologies, objectives and assessment. Requires 10 clock hours of field experience in an elementary art learning setting. Prerequisite: ARTT 2371 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTT 3373. Art Theory and Practice for Adolescents.
The theories and practices of adolescent art learning. Topics include: learning environments, artistic development, presentation methodologies, objectives and assessment, and other current topics. Requires 10 clock hours of field experience in a secondary school art setting. Prerequisite: ARTT 2371 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTT 3375. Experimental Water Media.
Upper level elective for studio majors. Fills teaching certification watercolor requirement. Students will experiment with water media, including watercolor, egg tempera, gouache, and mixed media on a variety of surfaces, including yupo and gessoed paper. Students will explore mixed media with watercolor. Justification: Future teachers need to develop skills in a wide range of water media, on a wide range of paper including yupo, and in combining watercolor with media, such as prismacolors, markers, water soluble markers and pencils and collage. These things are not covered in the watercolor studio course. The course would also serve as an elective for studio art majors who want to explore multiple media with watercolor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTT 4000. Senior Art Education Exhibition.
A senior level course in which all graduating Art Education Seniors must participate during their last academic year. Work will be examined and produced leading to a showing in one of the Senior Student Exhibitions.
0 Credit Hours. 0 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ARTT 4375. Pedagogy of Art Criticism, History & Aesthetics.
A survey and in-depth analysis of the philosophies and structures of art criticism, art history, and aesthetics, as well as contemporary methodologies for analyzing, interpreting and judging works of art. Prerequisite: ARTT 2371 with a grade of "C" or better, or consent of instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ARTT 4376. Special Problems in Art Theory and Practice.
Individualized study focusing on personal skill and knowledge development related to art learning experiences. Research will include a review of literature, a design for practical experience, and documentation of results and conclusions. May be repeated with different emphasis for additional credit. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTT 4377. Pedagogy for Art Educators.
This course is the capstone course for art education majors and offers advanced K-12 pedagogy that supports the development of curriculum and a teaching portfolio. Students are required to participate in service learning fieldwork for a minimum of 6 hours. Prerequisites: ARTT 2371 with at least a C; Corequisites: Prior credit or enrolled in ARTT 3372, ARTT 3373, ARTT 4375, or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ARTT 4380A. Computer Art.
An advanced level elective designed to examine and apply various techniques of creating and utilizing computer art for use in teaching art in the public schools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTT 4380D. Art Education in the Community.
This course will provide a service learning environment to explore the ways that art education theory can be applied to community environments in order to enable positive social change. The course reconsiders the role of the art educator in the context of the social sector. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics
Grade Mode: Standard Letter

ARTT 4380E. Storying Identity in Art & Culture.
This course explores identity as a construct made of individual and cultural components. Coursework is informed by auto-ethnographic traditions that consider artmaking (e.g., stories, poems, visual art) as an indicator of learning and development. Activities include daily journaling, peer critique, and making creative multimedia life-stories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTT 4380F. Art Education Studio Preparation Portfolio.
This is a studio mentorship course designed for beginning, intermediate, and advanced Art Education students. The course allows students the opportunity to develop theoretical, conceptual, ethical, critical, and post-critical perspectives to frame, re-frame, assess, and articulate their artistic inquiry. It invites students to create exploratory and preparatory artwork that supports the development of a cohesive and personal body of work leading to their BFA Thesis Exhibition in a future semester. Prerequisite: ARTT 2371 with a grade of "C" or better. Corequisite: ARTT 2372 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTT 5376. Research in Art Theory and Practice for Children.
Individualized study focusing on art skill and knowledge development related to children's art learning experiences. May be repeated with different emphasis for additional credit. Teaching experience or admission to graduate degree program and permission of instructor required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTT 5377. Research in Art Theory and Practice for Adolescents and Adults.
Individualized study focusing on art skill and knowledge development related to adolescent and/or adult art experiences. May be repeated with different emphasis for additional credit. Teaching experience or admission to graduate degree and permission of instructor required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Athletic Training (AT)

AT 1298. Orientation to Athletic Training Education.
Pre-Athletic Training majors will be introduced to the academic and clinical aspects of the CAATE accredited athletic training education program. The course is utilized as part of the rigorous student evaluation process before formal entrance into the athletic training education program.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

AT 2156. Taping and Bandaging Athletic Injuries.
This course focuses on the use of taping, bracing, and bandaging techniques in the prevention and care of athletic injuries.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 2260. Acute Care of Injuries and Illnesses.
This course will address the knowledge and skills related to the immediate evaluation and specialized care of acute injuries and illnesses common in sports settings. Lectures and laboratory experiences are focused on key aspects of emergency sports health care, including the rapid assessment, resuscitation, packaging and transportation of injured patients. Must be admitted to the Pre-Athletic Training major to enroll.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 2356. Prevention and Care of Athletic Injuries.
This course focuses on the theoretical and practical aspects of the prevention, treatment, and rehabilitation of athletic injuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 2397. Clinical Experience in Athletic Training I.
This course addresses the topics of injury prevention and emergency management, integrated into a clinical education experience designed to assess professional behaviors, knowledge and skills, and clinical proficiency. This course combines didactic with clinical education experiences obtained under the supervision of a licensed preceptor at an on-campus clinical site. A minimum 2.75 Texas State GPA is required. Must be admitted to the Athletic Training Cohort.
3 Credit Hours. 2 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

AT 2398. Clinical Experience in Athletic Training II.
This course integrates topics in advanced athletic injury evaluation and management into a clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. This course combines didactic and clinical education experiences obtained under the supervision of a licensed preceptor at an on-campus clinical site. Prerequisite: AT 2397 with a grade of "C" or better and a minimum 2.75 Texas State GPA. Must be admitted to the Athletic Training Cohort.
3 Credit Hours. 2 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

AT 2400. Functional Anatomy.
The students will learn to qualitatively analyze the movements of the human body while integrating musculoskeletal anatomy and neuromuscular physiology principles. Corequisite: BIO 2430.
4 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3111. Clinical Assessment I Laboratory.
This laboratory will assist students in developing the psychomotor skills used in the clinical evaluation of injuries and illnesses involving the head and face, brain, cervical spine, upper extremity, thorax, and pulmonary and cardiovascular systems. Corequisite: AT 3311. Prerequisites: AT 2356 with a garde of "D" or better, and a 2.75 Texas State GPA.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3112. Clinical Assessment II Laboratory.
This laboratory will assist students in developing the psychomotor skills used in the clinical evaluation of injuries and illnesses involving the lumbar spine and lower extremity injuries as well as abdomen, gastrointestinal, genitourinary, endocrine, dermatologic, and systemic illnesses. Corequisite: AT 3312. Prerequisite: AT 3111, AT 3311, and a 2.75 Texas State GPA.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3126. Applied Laboratory of Upper Extremity Injuries.
This course will present a study and critical analysis of the anatomy, injury signs and symptoms, and special tests used in the clinical evaluation of upper extremity injuries to the physically active individual. Must be admitted to the Athletic Training Program or Pre-Physical Therapy Concentration to enroll. Co-requisite: AT 3326.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Co-requisite(s): AT 3326
Grade Mode: Standard Letter

AT 3128. Applied Laboratory of Lower Extremity Injuries.
This course will present a study and critical analysis of the anatomy, injury signs and symptoms, and special tests used in the clinical evaluation of lower extremity injuries to the physically active individual. Must be admitted to the Athletic Training Program or Pre-Physical Therapy Concentration to enroll. Co-requisite: AT 3328.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Co-requisite(s): AT 3328
Grade Mode: Standard Letter

AT 3136. Applied Laboratory for Therapeutic Modalities.
This course provides students with experiences in laboratory and field applications of therapeutic modalities of all athletic injuries. Must be admitted to the Athletic Training Program or Pre-Physical Therapy Concentration to enroll. Co-requisite: AT 3336.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Co-requisite(s): AT 3336
Grade Mode: Standard Letter

AT 3146. Applied Laboratory for Therapeutic Exercise and Rehabilitation.
This course provides students with experiences in laboratory and field applications of therapeutic exercise and rehabilitation of athletic injuries. Must be admitted to the Athletic Training Program or Pre-Physical Therapy Concentration to enroll. Co-requisite: AT 3346 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3311. Clinical Assessment I.
This course instructs students in the knowledge and skills used in the clinical evaluation of injuries and illnesses involving the head and face, brain, cervical spine, upper extremity, thorax, and pulmonary and cardiovascular systems. Prerequisite: AT 2356 with a grade of "C" or better, and a 2.75 Texas State GPA. Corequisite: AT 3111.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3312. Clinical Assessment II.
This course instructs students about the preliminary and secondary survey with emphasis on clinical assessment of lumbar spine and lower extremity injuries as well as abdomen, gastrointestinal, genitourinary, endocrine, dermatological, and systemic illnesses. Prerequisite: AT 3311 and AT 3111; both with a grade of "C" or better, and a 2.75 TX State GPA. Corequisite: AT 3112.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3326. Evaluation Techniques of Upper Extremity Injuries.
The course will present a study and critical analysis of the anatomy, injury signs and symptoms, and specific tests used in the clinical evaluation of upper extremity injuries to the physically active individual. Co-requisite: AT 3126. Prerequisite: AT 2356, with a grade of "D" or better, Minimum 2.75 TxState GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Co-requisite(s): AT 3126
Grade Mode: Standard Letter

AT 3328. Evaluation Techniques of Lower Extremity Injuries.
The course will present a study and critical analysis of the anatomy, injury signs and symptoms, and specific tests used in the clinical evaluation of lower extremity injuries to the physically active individual. Co-requisite: AT 3128. Prerequisites: AT 2356; BIO 2430 or equivalent; Minimum 2.75 TxState GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Co-requisite(s): AT 3128
Grade Mode: Standard Letter

AT 3333. Therapeutic Interventions for Medical and Psychosocial Conditions.
This course will address the athletic training knowledge and skills required to evaluate and manage common medical conditions and psychosocial concerns found among the physically active. Lecture and laboratory experiences are focused on immediate and advanced care with emphasis on therapeutic interventions and referral. Prerequisites: BIO 1421, or BIO 1330 and BIO 1130; BIO 2430 or equivalent, all with a grade of D or better. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AT 3336. Principles and Techniques of Therapeutic Modalities.
A theoretical and evidence-based approach to the use of therapeutic modalities in physical medicine settings. Special emphasis is placed on understanding the physiological effects, indications, contraindications and clinical applications of therapeutic modalities in the treatment and rehabilitation of musculoskeletal and neurological injuries and diseases. Co-requisite: AT 3136. Prerequisite: Minimum 2.75 Texas State GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Co-requisite(s): AT 3136
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AT 3346. Therapeutic Exercise and Rehabilitation.
A theoretical and evidence-based approach to the use of therapeutic exercise in physical medicine settings. Special emphasis is placed on understanding the physiological effects, indications, contraindications and clinical applications of therapeutic exercise in the treatment and rehabilitation of musculoskeletal and neurological injuries and diseases. Corequisite: AT 3146. Prerequisites: AT 3326, AT 3328, PT 3400, Minimum 2.75 Texas State GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

AT 3358. Clinical Pathopharmacology.
This course combines pathophysiology, the study of dynamic aspects of disease processes and study of drugs prescribed to prevent, diagnose, cure, or care for disease across the lifespan. Content includes etiology, pathogenesis, clinical presentation, implications for treatment, and pharmacological management. Prerequisite: BIO 2430 or equivalent; or PT 3400.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3497. Clinical Experience in Athletic Training III.
This course integrates topics in advanced athletic injury evaluation and management into a clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Restricted to Athletic Training Majors. Prerequisite: AT 2497 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 3498. Clinical Experience in Athletic Training IV.
This course integrates topics in advanced athletic injury evaluation and management into a clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Restricted to students in the Athletic Training Major. Prerequisite: AT 2498 with a grade of "C" or better. (WI).
4 Credit Hours. 2 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AT 4113. Clinical Therapeutic Interventions Lab.
This course provides students with experiences in laboratory and field applications of therapeutic interventions in physical medicine, both modalities and exercise, for patients with musculoskeletal and neurological injuries. Corequisite: AT 4313. Prerequisites: AT 3112 or AT 3312, with a grade of "D" or better, and a 2.75 Texas State GPA.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 4313. Clinical Therapeutic Interventions.
This course provides a theoretical and clinical background in the use of therapeutic interventions in physical medicine, both modalities and exercise, for patients with musculoskeletal and neurological injuries. Prerequisite: AT 3311 and AT 3312; both with a grade of "C" or better, and a 2.75 Texas State GPA. Corequisite: AT 4113.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 4356. Organization and Management of Athletic Training Programs.
This course addresses the organizational and administrative aspects of athletic training program management. Topics will include, but are not limited to, medical, ethical, legal, personnel and financial management, medical record keeping, facilities, supply requisition and inventory, third-party reimbursement, drug testing and other current professional issues. Prerequisites: AT 3326 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

AT 4360. Internship in Clinical Settings.
Students will be introduced to the clinical aspects of allied health professions by being assigned to a minimum of two clinical sites. Prerequisite: A minimum TXST GPA of 2.75; AT 3311; AT 3111; AT 3312; AT 3112; all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 4497. Clinical Experience in Athletic Training V.
This course integrates topics in therapeutic interventions and exercise into a clinical education experience that assesses professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 3497 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 4498. Clinical Experience in Athletic Training VI.
This course integrates topics in nutrition, professionalism, and administration into a clinical education experience that assesses professional behaviors, cognitive knowledge, psychomotor skills, and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 3498 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5101. Graduate Assistant Development.
This course is required of all graduate assistants and provides regular in-service and planned periodic evaluations of instructional responsibilities. Graduate assistants are required to register for this course in the spring semester of their employment. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AT 5191. Capstone I.
This course is a supervised project to analyze outcomes in a defined area of clinical practice. The course includes patient outcomes data collection in a practice-based research environment. Completion of full research sequence is required for graduation.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5192. Capstone II.
This course is a continuation of the research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. The course includes completion of data collection and analysis for an oral presentation and final paper and poster. Completion of this last course is required Prerequisite: AT 5191.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5201. Graduate Assistant Development.
This course is required of all graduate assistants and provides in-service and planned periodic evaluations of instructional responsibilities. Graduate assistants are required to register for this course in the fall semester of their employment. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AT 5230. Clinical Experience I.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5320.
2 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5231. Clinical Experience II.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230.
2 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5232. Clinical Experience III.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230; AT 5231.
2 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5302. Special Topics in Athletic Training.
This course is designed to educate students in the scientific process and develop an in-depth understanding of the research process in Athletic Training.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5303. Seminar in Athletic Training.
Current trends in athletic and physical education concerning the care and prevention of injuries with special emphasis on therapeutic and rehabilitation techniques. Taping and bandaging will be practiced in a laboratory situation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5307. Bioenergetics of Exercise and Rehabilitation.
This course is designed to provide both a theoretical and clinical basis for the use of therapeutic exercise in physiological basis of muscular, respiratory, cardiovascular, and nervous systems in the rehabilitation of all athletic injuries. Must be admitted to the MS in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5308. Therapeutic Exercise and Rehabilitation.
This course is designed to provide both a theoretical and clinical basis for the use of therapeutic exercise in the rehabilitation setting, as well as to impart knowledge pertaining to the physiological effects, indications, contraindications and applications of therapeutic exercise in the rehabilitation of all athletic injuries. Must be admitted to the M.S. in Athletic Training Program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5310. Proprioception and Neuromuscular Control in Rehabilitation.
This course provides for an advanced study of the concepts, theories, and current research related to proprioception, postural stability, and neuromuscular control as applied to the prevention, diagnosis, and clinical management of sport-related musculoskeletal injuries and concussions. Must be admitted to the M.S. in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5311. Biomechanics of Musculoskeletal Injury.
This course focuses on the application of biomechanical principles to the pathoetiology, diagnosis, and physiological capacity for healing of injuries to bone, ligament, tendon, cartilage, and other human tissues, with an emphasis on current injury research. Must be admitted to the M.S. in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5312. Evidence-Based Practice in Sports Medicine.
This course is designed to provide students with advanced study in the elements of evidence-based practice in sports medicine with focus on the role of accessing, retrieving, and critically appraising evidence to answer clinical questions in patient care. Must be admitted to the M.S. in Athletic Training Program or instructor approval required. Prerequisite: ESS 5346 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5318. Therapeutic Evaluation and Intervention.
This course explores the scientific bases of therapeutic musculoskeletal exercise and neuromuscular evaluative techniques in the rehabilitation process. Must be admitted to the M.S. in Athletic Training Program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5320. General Medical Conditions Assessment and Care.
This course will enable the student to recognize, evaluate, differentiate and manage common systemic and traumatic conditions and diseases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5333. Internship in Athletic Training.
This 400-hour internship provides students with professionally related experience. Students may work with diverse clinical populations in varying athletic training settings. Internship is approved and supervised by Program Coordinator or assigned faculty. Prerequisite: Departmental approval.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5334. Clinical Experience IV.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230; AT 5231; AT 5232; AT 5333.
3 Credit Hours. 0 Lecture Contact Hours. 30 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5335. Clinical Experience V.
This course will integrate topics in athletic injury evaluation, management and intervention into an immersive clinical education experience designed to assess professional behaviors, cognitive knowledge, psychomotor skills and proficiency-based case simulations. The course incorporates didactic and clinical education at an assigned clinical site under the supervision of a clinical instructor. Prerequisite: AT 5230; AT 5231; AT 5232; AT 5333; AT 5334.
3 Credit Hours. 0 Lecture Contact Hours. 30 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5340. Research Methods and Evidence Based Practice in Athletic Training.
This course is designed to provide the student with an understanding of the statistical terminology when reading and appraising research studies in order to use evidence to inform clinical practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5341. Pathopharmacology.
This course will examine the physiological responses and progression of injuries, illnesses, and diseases to the physically active individual. Additionally, this course will provide instruction in the principles and issues of the physiological and psychological response to the pharmacological use and/or abuse of substances. Prerequisite: AT 5320.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5342. Administration and Leadership in Athletic Training.
This course will evaluate administrative aspects of an athletic training program management such as: risk management, medical record keeping, facilities, third-party reimbursement, health informatics and other current professional issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5343. Interdisciplinary Approach to Athletic Training.
This course will examine the practice and educational implications of effective and efficient interprofessional teamwork and collaboration in patient care.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5344. Advanced Clinical Decision Making.
This course provides students various settings to explore aspects of patient evaluation, intervention and outcomes in a simulated learning environment. Students will identify issues in patient care including physical and psychosocial characteristics. Students will apply clinical decision-making skills learned in all courses leading up this final semester class.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5347. Independent Study in Athletic Training.
This course may be taken by a student who desires to work on a research problem or investigation in Athletic Training. The student gathers and analyzes pertinent data and submits a report of the results of the research. Repeatable once for credit. Prerequisite: ESS 5346 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in AT 5399B. Graded on a credit (CR), progress (PR), no credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5400. Gross Applied Anatomy.
This course will examine the structure and function of the human body with emphasis on the skeletal and muscular systems. The course focuses on anatomy and physiology of systems of special interest to students preparing to become athletic trainers. Laboratory study of the human cadaver is included.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5401. Musculoskeletal Assessment of Upper and Lower Extremities.
This course will examine the injury and illness signs and symptoms as well as specific tests and skills used in the clinical evaluation and assessment involving the upper and lower extremities. Prerequisite: AT 5400.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5402. Musculoskeletal Assessment of Head/Face/Spine and Neurological Systems.
This course will enable the student to critically analyze the specific tests and skills used in the clinical evaluation and assessment involving the head, spine and neurological systems. Prerequisite: AT 5400; AT 5401.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5413. Therapeutic Interventions I.
This course is designed to provide both a theoretical and clinical basis for the standardized systems approach to therapeutic modality applications to treat patients with musculoskeletal conditions and injury. Prerequisite: AT 5400.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5414. Therapeutic Interventions II.
This course is designed to examine both a theoretical and clinical basis for the standardized systems approach to therapeutic exercise applications to treat patients with musculoskeletal conditions and injury. Prerequisite: AT 5400; AT 5413.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Bilingual Education (BILG)

BILG 4350. Mathematics in the Bilingual Education Classroom.
The course provides an in-depth study of the mathematics content and methodology derived from research-based principles. To develop the mathematical understanding of emergent bilinguals through a field-based approach, the course emphasizes using cognition and bilingualism as learning resources to sustain mathematical knowledge using equity based-instruction and assessment. Prerequisite: 2.75 Overall GPA required. Junior classification required. Must be declared as seeking EC-6 Bilingual Generalist teacher certification. MATH 1315 (or one of the following: MATH 1319 or MATH 2417 or MATH 2471 or MATH 2472); MATH 2311 and MATH 2312 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BILG 4365. Biliteracy Development for Emergent Bilingual Learners.
This course targets the dynamic, reciprocal process of literacy development in Spanish and English for emergent bilinguals. Theories, instructional methods and strategies, texts, and materials will be examined through an integrated approach that considers sociocultural, cognitive, linguistic, and political factors. The course will be taught in both Spanish and English. Prerequisites: Junior classification or higher; Admission to the Teacher Preparation Program; 2.75 Overall GPA; Education Core; grades of "C" or higher must be earned in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BILG 5365. Biliteracy Development in the Bilingual Education Classroom.
This course is taught in Spanish and English, targeting the reciprocal process of literacy development in Spanish and English as a second language. Theories, methods, and approaches address learning and teaching processes that support biliteracy development of emergent bilingual within contexts framed by sociocultural, cognitive, linguistic, and affective factors. Prerequisite: CI 5337; CI 5387 SPAN 3308; SPAN 3371; upper levels of SPAN; or advanced studies in SPAN with a grade of B or better; or, Bilingual Education certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BILG 5367. Policy and Practice in Dual Language Immersion Education.
This course focuses on current research in bilingual education and language in education policy and practice that shapes program models, curricula, and instruction in two-way and one-way dual language education. The course will be taught in Spanish and English and requires student work in each language. Prerequisites: CI 5387, CI 5337; SPAN 3308; SPAN 3371; or upper level SPAN courses; or advanced studies in SPAN having earned a grade of B or higher; or Bilingual Education certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BILG 5374. Bilingual/ESL Academic Content Instruction.
The focus of this course is the integration of native language instruction (Spanish) and English as a second language (ESL) to teach the academic content areas (mathematics, science, social studies, and language arts) for English Language Learners (ELLs) with an emphasis on the cognitive and sociocultural considerations. Prerequisite: SPAN 3308 or SPAN 3371 with a grade of "B" or better; or upper level SPAN course(s); or advanced studies in SPAN with a grade of "B" or better; or Bilingual Education certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BILG 5388. The Politics of Language.
Using a critical linguistic perspective, this course examines the sociopolitical aspects of language in local, national, and global contexts. Students learn about language ideologies and gain a profound understanding for how languages and language practices are intricately tied to the racial and economic power relations embedded in schools and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Biology (BIO)

BIO 1130. Functional Biology Laboratory.
Fundamental techniques and instruments used in cellular biological research will be taught while emphasizing safety, measurements, and scientific methods. Students will design and implement controlled experiments, identify independent and dependent variables, analyze data, draw conclusions, and communicate results with appropriate tables and graphs in oral presentations and written papers.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BIOL 1106
Course Fee: $5; Fee - Lab BIO

BIO 1131. Organismal Biology Laboratory.
This course introduces the students to the basics of experimental design, scientific method and inquiry, use of statistical analyses and writing research papers. Topics covered include Mendelian and population genetics, natural selection, population ecology, phylogeny, and behavioral ecology.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BIOL 1107
Course Fee: $5; Fee - Lab BIO

BIO 1320. Modern Biology I, Molecules, Cells, and Physiology.
Provides students with basic scientific and biological principles. Current problems in biology and the ethics of science are presented with perspectives of public policy from a scientific viewpoint. This course is not recommended for majors in the natural sciences, including biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: BIOL 1308

BIO 1321. Ecology, Evolution and Society.
This course provides the non-science major an overview of the ecological and evolutionary principles that govern relationships between living organisms, including humans, and their environment. Special attention is given to environmental issues of current concern, such as overpopulation, climate change, pollution, resource depletion, and conservation biology.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: BIOL 1309

BIO 1330. Functional Biology.
This course provides the students with a strong foundation in cellular and molecular biology. Topics include biochemistry, energy metabolism, molecular bases of gene regulation and protein functions, cell division and control, and cell signaling. This course is required for all biology majors and is not recommended for non-science majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 1306

BIO 1331. Organismal Biology.
This course provides science majors with a foundation in organismal biology, Mendelian and population genetics, evolution and ecology. Topic include: patterns of inheritance, genetics, evolution, speciation, phylogenetics, and behavioral population, community, and ecosystem ecology. This course is required for all biology majors and is not recommended for non-science majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 1307

BIO 2400. Microbiology.
Principles of microbiology, morphology, anatomy, physiology and taxonomy of representative groups of non-pathogenic organisms. Laboratory methods stress studies of pure cultures, the use of laboratory apparatus in quantitative determinations and the detection and identification of microbial populations in the environment. Prerequisites: BIO 1130 and BIO 1131 and BIO 1330 and BIO 1331 and CHEM 1341 all with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 2421
Course Fee: $5; Fee - Lab BIO

BIO 2410. Intermediate General Botany.
An introduction to the biology of plants and plant-like organisms, emphasizing their role in ecosystem processes, relationships between structure and function, and the evolutionary relationships among the major plant groups. Prerequisites: BIO 1130 and BIO 1131 and BIO 1330 and BIO 1331 all with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 2411. Intermediate Zoology.
Provides biology majors a strong foundation in animal biology at the organismal level. The format will include details of animal form and function as well as concepts relating to classification, phylogeny, evolution, and ecology. Topics will include natural history, biogeography, adaptations to local environments, shared characters, and behavior. All material is presented in an accepted phylogenetic sequence. Prerequisites: BIO 1130 and BIO 1131 and BIO 1330 and BIO 1331 all with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 2430. Human Physiology and Anatomy.
A course on human physiology covering the various organ systems. Principles of molecular biology, cell and tissue structure, anatomy and relationship of structure and function are stressed. May not be credited toward a Biology major or minor.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 2404
Course Fee: $5; Fee - Lab BIO

BIO 2440. Principles of Microbiology.
The Basic Principles of microbiology, morphology, physiology, immunology and the relationship of microorganisms to diseases. This course is designed primarily to meet the requirements for students in allied health sciences and other programs requiring only one semester of microbiology. This course may not be credited toward a biology major or minor. Prerequisites: BIO 1330 and CHEM 1341 both with grades of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 2420
Course Fee: $5; Fee - Lab BIO

BIO 2450. Genetics.
An introduction to basic principles of Genetics by studies of Mendelian, molecular, quantitative and population genetics. Topics include: classical transmission genetics, and gene mapping, DNA replication and repair, transcription, translation, control of gene expression, genetic engineering techniques, Hardy-Weinberg equilibrium, evolutionary change via natural selection, and genetic drift. Prerequisites: BIO 1130 and BIO 1131 and BIO 1330 and BIO 1331 and CHEM 1141 and CHEM 1142 and CHEM 1341 and CHEM 1342 all with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 2416
Course Fee: $20; Fee - Lab BIO

BIO 2451. Human Anatomy and Physiology I.
Part I of a two semester course on the structure and function of the human body. Designed specifically to prepare students for nursing and other health professions. Prerequisites: BIO 1330 and CHEM 1341 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 2401

BIO 2452. Human Anatomy and Physiology II.
This course is the second part of a two semester course on the structure and function of the human body designed specifically to prepare students for nursing and other health professions. Prerequisites: BIO 1330 and BIO 2451 and CHEM 1341 all with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: BIOL 2402

BIO 3300. Cell and Molecular Biology.
Fundamentals of structure and function of prokaryotic and eukaryotic cells. This course includes cell and organelle structure, basic biochemistry, principles of thermodynamics and energy transformation, nucleic acid and protein synthesis, enzyme kinetics, cell motility and cell signaling. Prerequisites: BIO 1130 and BIO 1330 and BIO 2450 and CHEM 1342 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 3301. Biology of Sex and Reproduction.
This course focuses on animals, especially vertebrates, and covers topics such as the evolution of sexual reproduction, genetic variation, sex differentiation during development, reproductive anatomy and physiology, reproductive endocrinology, gestation, disease transmission, and reproductive technologies. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 3308. Global Ecology.
An interdisciplinary introduction to the science of global environmental change. Emphasis will be placed on understanding principles of earth system science, the scientific basis underlying the major components of global environmental change, the linkages between these components, and the central role of humanity in contributing to the observed changes. (WI) Prerequisites: BIO 1130 and BIO 1131 and BIO 1330 and BIO 1331 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

BIO 3341. Aquatic Toxicology.
This course examines the basic concepts of aquatic toxicology, including uptake mechanisms, interactions, and elimination of different toxicants. Students will understand how toxic substances impact freshwater and marine organisms and identify potential health impacts to humans. Topics to be discussed include nutrients, metals, oil, pesticides, radionuclides, plastics, and emerging contaminants. Prerequisites: BIO 1331 and CHEM 1341 both with grades of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 3351. Forensic and Human Genetics.
This course introduces students to basic principles of Mendelian, molecular, and forensic genetics as it relates to the problems of human populations. This course is intended for non-science majors. May not be credited towards a biology major or minor. Prerequisites: [BIO 1320 and BIO 1321] or [BIO 1330 and BIO 1331] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 3371. Marine Resources.
This course examines the exploitation and fragility of the marine environment and the economic importance of marine resources. Topics to be examined include ocean ownership, overfishing, aquaculture, shark finning, whaling, ocean mining, marine transportation, tourism, pollution, harvesting energy from the ocean, and the importance of creating marine reserves. Prerequisite: BIO 1331 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 3376. Introduction to Biotechnology.
This course is an introduction to biotechnology. It provides an insight into how biotechnological applications can solve scientific and societal problems for the benefit of humankind. Prerequisite: BIO 1330 and BIO 1331 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 3406. Economic Botany.
An introduction to the utilization of plants by humans and their economic and ecological significance. Laboratories will stress plant features beneficial to economic and societal needs. Prerequisite: BIO 2450 with a grade of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 3410. Phycology.
A study of algal organisms, comparative and culture techniques. Prerequisites: BIO 2410 and BIO 2450 both with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 3421. Vertebrate Physiology.
The study of the physiology of vertebrate organ systems, including the nervous system, musculoskeletal system, endocrine system, cardiovascular system, respiratory system, digestive system, reproductive system and urinary system. Mammalian systems will be emphasized. Prerequisite: BIO 2450 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 3430. Mycology.
A study of the fungal kingdom including slime molds and lichens. Laboratory studies will emphasize taxonomy, morphology and culture techniques. Prerequisites: [BIO 2400 or BIO 2410] and BIO 2450 both with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 3442. Virology.
The structure, multiplication and genetics of bacterial, plant, and animal viruses. The role of viruses in human and plant disease. (WI) Prerequisites: BIO 2400 and BIO 2450 both with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 3460. Aquatic Biology.
An introduction to plant and animal life in the fresh water habitats of the local area. (WI) Prerequisites: BIO 2411 and BIO 2450 and CHEM 1342 all with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 3461. Plant Taxonomy.
Principles of identification and classification of plants; nomenclature and characteristics of various plant groups with emphasis on the higher plants. Prerequisite: BIO 2450 with a grade of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 3470. Invertebrate Zoology.
A study of the comparative morphology, evolution, systematics and natural history of invertebrates. Prerequisites: BIO 2411 and BIO 2450 both with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 3480. Histology.
A study of the structural and functional relationships between cells and tissues in organs. The laboratory includes the study of prepared slides and of microtechnique. This course is designed to meet the needs of pre-professional students. Prerequisite: BIO 2450 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4126. Immunology Laboratory.
This laboratory-based course will cover cells of the immune system and basic serological reactions, including bacterial and viral agglutination reactions, precipitation, immunoelectrophoresis, immunofluorescence, and enzyme-linked immunosorbent assays. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better. Corequisite: BIO 4326 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 4166. Medical Microbiology Laboratory.
This laboratory-based course will cover pathogenic bacteria emphasizing identification of selected groups of pathogens and the biological basis for virulence. (WI) Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better. Corequisites: BIO 4366.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

BIO 4176. Microbial Biotechnology Laboratory.
This laboratory-based course will cover use of microbes for biotechnological applications and is designed to provide practical explorations into fields of biotechnology. Topics include laboratory techniques for recombinant protein purification, fermentation, identification of markers in genetically modified food and bioremediation of pollutants. Prerequisite: BIO 2400 and BIO 2450 both with grades of "C" or better. Corequisite: BIO 4376.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4299. Undergraduate Research.
Supervised individual research projects in a mentor-student relationship with a biology professor. May be repeated once for credit. Prerequisites: BIO 2450 with a grade of "C" or better and a minimum 3.0 Texas State GPA and instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4300. Neurobiology.
This course will give students an overview of neuroscience, particularly the areas of neuroanatomy, neurophysiology, and evolutionary and developmental neurobiology. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4301. Evolution.
Basic genetic principles applied to natural selection, adaptation, populations, speciation and man's future. Consideration is given to the origin of life, nature of chromosomal variation, evolution of genetic systems and certain other selected topics. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4304. Wildlife and Recreation: Impact, Policy, and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented. Prerequisite: BIO 4416 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4305. Nature Study.
This course provides a comprehensive survey of natural events. It includes laboratory and field work emphasizing observation, collection and discovery of relationships. It is creditable only for those seeking elementary or middle school certification and is required for those seeking grade 4-8 Science or Science/Mathematics teaching certification. This course must be taken the semester immediately prior to student teaching.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4311. Cancer Biology.
Cancer Biology provides a foundation for understanding the complex molecular, biochemical, and cellular processes associated with cancer development. Topics include the role of tumor suppressor genes, oncogenes, DNA repair, apoptosis, ECM, cell-cycle control, cell signaling pathways, immune function and cancer-causing viruses. Emerging diagnostics and/or therapeutics will also be discussed. Prerequisite: BIO 2450 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4319. Biological Resources: Conservation and Planning.
This course is an introduction to the protection and sustainable use of populations, species, habitats, and ecosystems. Course also includes study of the methods used to analyze biodiversity and population regulation. Corequisite: BIO 4416 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4326. Immunology.
This lecture-based course will cover the biology of the immune system and its relationship to disease, emphasizing B and T cell immunity, immune diseases, hypersensitivities, transplantation, and cancer. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4327. Issues in Irish Biodiversity and Conservation.
In this course, students will learn about Irish flora and fauna, ecosystems, conservation strategies in areas of high ecological concern, and public involvement. Emphasis will be placed on case studies and service-learning opportunities. Prerequisite: BIO 1131 and BIO 1331 both with grades of "D" or better and instructor approval. Corequisite: BIO 4328 with a grade of "D" or better.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4328. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Prerequisite: BIO 1131 and BIO 1331 both with grades of "D" or better and instructor approval. Corequisite: BIO 4327 with a grade of "D" or better.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4329. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and overwintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4331. Human Dimensions of Wildlife and Fisheries Conservation.
Humans play a role in nearly every aspect of wildlife and fisheries conservation. This course will provide students with principles, concepts, and case studies to understand how the human experience (e.g., culture, politics, economics) influences conservation outcomes. Students will also have an opportunity to integrate human dimensions into local decision-making. Prerequisite: BIO 4416 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4337. Biology and Conservation of Sharks.
This course examines the biology and conservation of sharks and their relatives (skates, rays, chimaeras, and sawfish). Topics to be examined include evolutionary history, distribution, anatomy and physiology, daily movements and migration, diet, reproduction, relationship with humans, fisheries, conservation, and field methods used in shark research. Prerequisite: BIO 1331 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4338. Tropical Ecology and Conservation.
In this course students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. This is an immersive and intensive study abroad course combining traditional lecture, field-based instruction, and primary literature-based discussions while observing actual tropical ecosystems. Prerequisite: BIO 1130 and BIO 1131 and BIO 1330 and BIO 1331 all with grades of "C" or better and a minimum 2.5 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4343. Fish Physiology.
This course examines the primary physiological functions in fish, including how fish sense and interact with the environment, maintain their energetic metabolism (respiration, digestion and excretion), reproduce and maintain water balance. Students will learn about the diverse adaptions fish use to cope with environmental and physiological challenges. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4350B. Biological Implications of Water Planning in Texas.
Current topics in understanding the biological implications of water planning in Texas. This course will be of particular interest to students who have a background in aquatic biology and who intend to stay in Texas post-graduation. May be repeated once with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350D. Watershed Management Frameworks and Applications.
Introduction to integrated watershed assessment and management tools for identifying programmatic water quality and quantity issues and their root causes and solutions, and their practical application. The scientific and socio-economic elements are considered within the context of planning and developing watershed protection plans and programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350E. Techniques in Aquatic Biology.
This course will provide hands on experience with a suite of physical, chemical, and biological sampling techniques and gear used in applied river studies. Students will be exposed to the fundamentals of data quality objectives, accuracy, precision, detection limits, data visualization, exploratory analysis, univariate and multivariate statistics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350I. Bird Conservation and Management.
This course is an introduction to the conservation and management of bird populations in an ecological context. Course covers a variety of species and spatial scales from landscape to ecoregion. Laboratory portion will involve field trips, intensive computer-based labs, and class discussion. Corequisites: BIO 4416 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350J. Environmental Physiology of Animals.
This course is a study of how animals respond physiologically to changes in environmental temperature, moisture, salinity, partial pressure of gases, and toxins. Prerequisites: BIO 1330 and BIO 1331 and BIO 2450 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350K. Genomics.
The course is a lecture covering modern genomics, including principles of genome function, the human genome, comparative genomics, genome sequencing, evolution and genomic change, databases and medicine, ethical, legal and social issues. The course also includes discussion of transcriptomics, proteomics, metabolomics, directed evolution, protein design, and systems biology. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350L. Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350M. Wildlife Policy and Law in North America.
This course provides the student with a historical and cultural context within which wildlife policy and law have developed in North America, particularly in the United States. Federal treaties, statutes, case law, and regulations pertaining to wildlife will be presented. Wildlife law from representative states will be referenced as well. Corequisite: BIO 4423 or BIO 4435 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350N. Aquatic Toxicology.
This course examines the basic concepts of aquatic toxicology, including uptake mechanisms, interactions and elimiation of different toxicants. Students will understand how toxic substances impact freshwater and marine environments and identify potential health impacts to humans. Topics to be discussed include nutrients, metals, petroleum, radionuclides, plastics and emerging contaminants. Restricted to Junior standing. Prerequisite: A minimum 2.5 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350P. Tropical Ecology and Conservation Lab.
This laboratory course complements the lecture course, in which students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Co-requisite(s): BIO 4350O
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350Q. Biological Oceanography.
Students will be introduced to the principles of oceanography and will understand anthropogenic impacts on the oceans. Topics to be investigated will include: ocean formation and destruction, sediments, ocean circulation, waves, tides, estuaries, life in the oceans, hydrothermal vents, coral reefs, fisheries, marine pollution, and climate change. Prerequisite: Minimum 2.50 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350R. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. It is designed on topics of applied microbiology recommended by American Society of Microbiology. Prerequisites: BIO 2400 and BIO 2450 (or equivalent), with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350T. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Must be accepted into the Texas State in Ireland Study Abroad program.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350U. Ecology of Rarity.
This course will examine the ecology of rarity and its ability to inform public awareness and environmental policy. This course will explore how we define rarity, persistence and viability, is rarity more or less common than might be expected, and is there anything we can or should do about it? Prerequisite: BIO 4416 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350V. Fish Physiology.
This course examines the primary physiological functions in fish, including how fish sense and interact with the environment, maintain their energetic metabolism (respiration, digestion and excretion), reproduce and maintain water balance. Students will learn about the diverse adaptions fish use to cope with environmental and physiological challenges. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350W. Biology and Conservation of Sharks.
This course examines the biology and conservation of sharks and their relatives (skates, rays and sawfish). Topics to be examined include evolutionary history, distribution, anatomy and physiology, daily movements and migration, diet, reproduction, relationship with humans, fisheries, conservation, and field methods used in shark research. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350Y. Introduction to Laboratory Research Methods.
This course is for students interested in undergraduate research and introduces the fundamental methods and practices utilized in biological research labs. This hands on course covers keeping a lab notebook, following standard protocols, and collecting/analyzing data. Student will be introduced to current research programs offered in the Biology department. Prerequisite: BIO 1330 and BIO 1331 both with grades of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4350Z. Diversity and Cultural Impact of Geoparks.
Students will explore biological differences in diversity across Geoparks in the United States and Ireland. Additionally, students will study the cultural impact that Geoparks have on the local community and national policy by focusing on differences between science communication strategies and community engagement practices conducted at the parks. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4351A. Vertebrate Endocrinology.
This course teaches function and organization of the endocrine system. It describes the major endocrine glands, the synthesis and release of their hormone products, and the interaction with target tissues. Endocrine control of digestion, growth, reproduction, and homeostasis will be compared between mammals and other vertebrate groups. Prerequisite: BIO 2450 and CHEM 2342 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4351D. Ecology of Temporary Waters.
Temporary waters (which regularly go dry) are often overlooked. This course explores their diversity, their ecological role and how these systems are impacted by humans. We will also look at the species that rely on temporary waters, their special adaptations, and their populations and community dynamics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4351E. Natural History of America.
In this field course students will examine the terrestrial and aquatic wildlife of a chosen study area in relation to their conservation and management. Local geology and climate change impacts on wildlife diversity will also be discussed. Prerequisite: BIO 1331 and BIO 1131 both with grades of “C” or better and a minimum 2.5 overall GPA and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4351F. Marine Ecology and Conservation.
In this field course students will examine the ecology, management, and conservation of marine flora and fauna, and the impact of humans on marine life. Prerequisite: BIO 1331 and BIO 1131 both with grades of “C” or better and a minimum 2.5 overall GPA and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4351G. Omics Approach to Microbiology.
The course will discuss contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, and metaproteomics. Prerequisite: BIO 2450 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4351H. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 4366. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their relationship to disease, epidemiology and the biological basis for virulence. Students may take only one of BIO 4345, BIO 4350G or BIO 4445 for credit. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4369. Biosystematics.
Biological systematics is a multidisciplinary component of most biological disciplines. Course topics include: classification schemes, homology, homoplasy, the application of nomenclature, and phylogeny reconstruction. The course will also present relevant issues in conservation, biodiversity cataloguing, museum and collection management, and identification methods/dichotomous keys. Prerequisite: BIO 2450 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4376. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course is based on topics of applied microbiology as recommended by American Society of Microbiology. Prerequisite: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

BIO 4377. Genome Informatics.
The course will cover basic knowledge on genomics and its bioinformatics tools. Students will learn current topics on genomics and bioinformatics, and will analyze genomic data using statistical software. All the analyses will be performed using a personal and a cluster computer. Prerequisite: BIO 2450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4400. Plants Important for Wildlife.
This course explores plant and plant part (specifically gall, fruit, seed, and twig) identification, phylogenetics, co-evolution of plant defenses, economic and ecological impacts of plant uses by wildlife. Prerequisite: BIO 2410 or BIO 2450 either with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4402. Earth Science I.
The description and interpretation of earth phenomena considered from the standpoint of meteorology and astroscience. Includes field observations, methods of measurement and interpretation of data related to the physical environment and space technology. May not be counted toward a major or minor in biology. Required for those seeking grade 4-8 Science and Mathematics/Science certification.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4403. Earth Science II.
The description and interpretation of earth phenomena considered from the standpoint of geology and oceanography. Includes field observations, methods of sampling and interpretation of data related to the physical environment. May not be counted toward a major or a minor in biology. Required for those seeking grade 4-8 Science and Mathematics/Science certification.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4408. Science Processes and Research.
Students will analyze scientific research design, design research, interpret data, and communicate results. Stress will be placed on broad-field structure and integration of major science concepts and research-based science pedagogy. This course must be taken the semester prior to student teaching and is required for those seeking 7-12 Life Science or Science teacher certification. This course may not count as one of the four upper-level Biology courses required of general Biology majors, or one of the three upper-level Biology courses required of Biology minors.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4410. Field Biology of Plants.
Ecological relationships and natural history of plants, including historical geology, geography, soils, vegetational regions and surface geology of central Texas. Emphasis is placed on plant-soil-water relationships to develop conservation concepts. Students will make a representative collection of plants. Prerequisite: BIO 2450 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4411. Morphology of the Vascular Plants.
The structure, life-cycles and evolution of fossil and living vascular plants. Emphasis on such topics as the origin of land plants, evolution of the ovule, angiospermy, the flower and fruit. Prerequisites: BIO 2450 and CHEM 1342 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4412. Plant Anatomy.
The anatomy of vascular plants stressing descriptive, development and comparative aspects of seed plants and the anatomical adaptations of plants to environmental factors. Prerequisites: BIO 2450 and CHEM 1342 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4413. Parasitology.
The biology and biological significance of the common parasites of man and animals. Prerequisites: BIO 2411 and BIO 2450 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4415. Ichthyology.
An introduction to the morphology, taxonomy, natural history and evolution of fishes. Field trips will be made to collect specimens and laboratory periods will be devoted to morphological and systematic analysis. Prerequisites: BIO 2411 and BIO 2450 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4416. General Ecology.
The ecological relationships that exist between organisms and those relationships that exist between organism and environment. Laboratory sessions will be devoted to literature review and/or specific ecological problems. This course or BIO 4454 is required of all biology majors. (WI) Prerequisites: BIO 2450 and [BIO 2400 or BIO 2410 or BIO 2411] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 4418. Field Ornithology.
This course is designed to introduce and provide an advanced knowledge of the application of various field, laboratory, and statistical methods and techniques in the study of avian species. The course will include topics related to survey methodology, sampling design, marking/banding, measurement/sample extraction, and aging/sexing of avian species.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 4420. Natural History of the Vertebrates.
Environmental relationships and natural history of vertebrates. Emphasis is upon taxonomy, speciation and biotic provinces. The laboratory will include field trips for the study and collection of animals in their natural habitats. Students will assemble a representative collection of animals. (WI) Prerequisites: BIO 2411 and BIO 2450 both with grades of "C" or better and instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4421. Ornithology.
Introduction to anatomy, behavior, ecology and identification of birds of Texas. Laboratory will emphasize field studies of birds and their habitat requirements. Prerequisites: BIO 2411 and BIO 2450 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4422. Mammalogy.
The taxonomy, distribution, ecology, behavior and evolution of mammals with particular emphasis on wild animals of the southwest. Laboratory will emphasize anatomy, identification, preparation of specimens and field exercises in the methods of population analysis. Prerequisites: BIO 2411 and BIO 2450 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4423. Wildlife Management.
Applications of the principles of ecology and natural history to the management of wildlife habitats and control of wildlife populations. Laboratory will involve demonstrations and practice exercises with wildlife management techniques and instrumentation and field trips to observe wildlife management projects. (WI) Prerequisites: BIO 2410 and BIO 2411 and BIO 2450 all with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4425. Biometry.
Basic principles of statistical methods as applied to biological problems such as sampling techniques, analysis of data, experimental design and population dynamics. Emphasis will be on practical application. Prerequisites: BIO 2450 and [MATH 1315 or MATH 2321 or MATH 2417 or MATH 2471] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 4434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. Emphasis will be placed on North American species and those groups inhabiting Texas. Prerequisites: BIO 2411 and BIO 2450 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4435. Techniques in Wildlife Management.
The basic methodology of practical wildlife management. This involves techniques in monitoring and data collection related to population dynamics and habitat parameters of wildlife species. Prerequisites: BIO 2411 and BIO 2450 both with grades of "C" or better and instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4436. Tropical Biology.
This course entails an analysis and evaluation of the governing principles of tropical ecosystems, including wildlife ecologies, geological processes, and environmental-cultural interactions. In the laboratories, students will compare ecological relationships that influence tropical biology, discuss peer-reviewed literature and examine tropical flora and fauna during field trips to regional sub-tropical areas. Prerequisite: BIO 2410 and BIO 2411 and BIO 2450 all with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4441. Cellular Physiology.
Advanced cellular biology, including membrane physiology, thermodynamics, energy transduction and distribution, and cellular movement in non-muscle and muscle cells. Laboratory includes discussion of current research and exercises in cellular physiology. (WI) Prerequisites: BIO 2450 and [CHEM 2330 or CHEM 2341 or CHEM 2342] both with grades of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 4442. Experimental Techniques.
Use of methods and instruments applicable to biological investigations, including colorimetry; UV-spectrophotometry; fluorescence; flame and atomic absorption spectrophotometry; paper, gas, gel filtration and ion exchange chromatography; radioactive counting; and electrophoresis. Prerequisite: BIO 2450 with a grade of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4446. Microbial Ecology.
This course will illustrate the wide variety of bacteria in nature, their interactions with other organisms and the environments, and their roles in global cycling of elements such as carbon, nitrogen, and sulfur. The laboratories will feature enrichments for selected groups of microorganisms (sulfate reducers, nitrogen fixers) and analysis of these isolates by microscopy, gas chromatography and radiochemical substrate utilizations. (WI) Prerequisites: BIO 2400 and BIO 2450 both with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 4447. Microbial Physiology and Genetics.
This course will cover fundamental concepts in bacterial physiology and genetics, including central and specialized metabolism, and unique aspects of bacterial genetics. (WI) Prerequisites: BIO 2400 and BIO 2450 and CHEM 2142 and CHEM 2342 all with grades of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 4448. Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Prerequisite: BIO 2400 and BIO 2450 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

BIO 4450. Physiological Ecology of Animals.
This course brings together the principal concepts of environmental physiology of animals inhabiting the major ecological realms of the earth (land, air, sea, and fresh water). The biological problem associated with living in the various ecological realms will be discussed, and the biochemical and physiological adaptations of animals to their diverse habitats will be studied. Prerequisites: BIO 2450 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 4454. Plant Ecology.
Physiological ecology and community structure and function in the organization of terrestrial plant ecosystems. Quantitative vegetational sampling and the use of field and laboratory physiological equipment are included in the laboratory. (WI) Prerequisite: BIO 2450 with a grade of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 4455. Plant Physiology.
Basic principles of plant physiology are studied in lecture and laboratory. One semester of organic chemistry is strongly recommended. Prerequisite: BIO 2450 with a grade of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 4464. Vertebrate Anatomy.
This course is a comparative study of vertebrate anatomy. Fossil histories are evaluated to understand how vertebrate radiation occurred in the geological past,along with changes in structure of organs and organ systems. Lab includes dissection of representative members of each major vertebrate group. Prerequisite: BIO 2450 with a grade of "C" or better. (WI).
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 4465. General Entomology.
Principles of morphology, physiology and taxonomy of insects. Laboratory time will be devoted to a taxonomic study of the common orders and families of insects. Prerequisites: BIO 2411 and BIO 2450 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 4470. Limnology.
The physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnological sampling methods, chemical, and biological analysis of samples and hydrographic surveying are included in the laboratory. (WI) Prerequisites: BIO 2450 and CHEM 1342 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 4472. Animal Behavior.
This course presents all the major facets of the study of animal behavior, giving special attention to its evolution and ecological significance. We will discuss major conceptual models guiding past and present research in the field. Laboratories will emphasize experimental techniques and statistical analysis. (WI) Prerequisites: BIO 2450 and [BIO 2400 or BIO 2410 or BIO 2411] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $5; Fee - Lab BIO

BIO 4480. Cytology and Microtechnique.
A study of cellular structure and microscopic technique. The lecture portion of the course presents cytology of all cell types and theoretical aspects of microscopy including light and electron-based technologies. The laboratory portion of the course provides training in standard light and electron microscopy, laser scanning confocal microscopy, and digital microscopy. Prerequisite: BIO 2450 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 4481. Internship in Biological Laboratory Technologies.
The student will participate in the work of a selected biology unit (private, commercial, or governmental). A research paper, reporting the internship experience conducted at the biological unit under the supervision of a faculty member, will be required. This course may be credited toward a biology major with prior approval of the biology department adviser and chair. Prerequisite: BIO 2450 with a grade of "C" or better.
4 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 4490. Principles of Developmental Biology.
This course will cover basic principles of developmental biology in both plant and animal systems. The course will mainly address cell, molecular and genetic mechanisms underlying the development of model organisms, mainly focusing on Drosophila (animal) and Arabidopsis (plant). Prerequisite: BIO 2450 with grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5100. Professional Development.
This course is seminar-based and covers topics related to teaching, research, and employment responsibilities. Completion of the course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis. Graded on a credit (CR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

BIO 5110. Seminar in Biology.
Interactive discussion of timely issues and problems, designed to expose students to the current literature in their fields of interest and its critical analysis. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Header
Grade Mode: Standard Letter

BIO 5114. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5214 and BIO 5314.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5166. Medical Microbiology Laboratory.
This graduate laboratory-based course will cover pathogenic bacteria emphasizing identification of selected groups of pathogens and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5176. Microbial Biotechnology Laboratory.
This laboratory-based course will cover use of microbes for biotechnological applications and is designed to provide practical explorations into fields of biotechnology. Topics include laboratory techniques for recombinant protein purification, fermentation, identification of markers in genetically modified food and bio-remediation of pollutants. Corequisite: BIO 5376.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5214. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation. See also BIO 5314.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5295. Fundamentals of Research.
Designed to acquaint the beginning graduate student with materials and methods of research in the biological sciences. It is recommended that a graduate student take this course the first semester in residence.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5300. Neurobiology.
This course presents the biology of the nervous system with emphasis on the human nervous system. Topics presented in lecture include neuroanatomy, cellular neurobiology, neurophysiology, developmental neurobiology, and neuronal plasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5301. Evolution.
Basic genetic principles applied to natural selection, adaptation, populations, and speciation. Consideration is given to the origin of life, nature of chromosomal variation, evolution of genetic systems, and certain other selected topics.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5304. Wildlife and Recreation: Impact and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5305. Methods of Nature Study for Teachers.
This course provides a comprehensive survey of natural events. It includes laboratory and field work emphasizing observation, collection and discovery of relationships. It is creditable only for those seeking elementary or middle school certification and is required for those seeking grade 4-8 Science or Science/Mathematics teaching certification. This course must be taken the semester immediately prior to student teaching.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5311. Cancer Biology.
Cancer Biology provides a foundation for understanding the complex molecular, biochemical, and cellular processes associated with cancer development. Topics include the role of tumor suppressor genes, oncogenes, DNA repair, apoptosis, ECM, cell-cycle control, cell signaling pathways, immune function and cancer-causing viruses. Emerging diagnostics and/or therapeutics will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5314. Collaborative Research.
This course allows master's level graduate students to initiate, conduct, and participate in research in collaboration with graduate faculty of the Department of Biology that is in addition to thesis research conducted under BIO 5399A or BIO 5399B. This course recognizes the collaborative nature of scientific investigation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5319C. Ecotoxicology.
Topics to be covered include sources, types, and fates of toxicants, organism response to toxicants, toxicant effects at the population, community, and ecosystem levels, and monitoring and risk assessment. Examination of current literature will form the core of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5319F. Watershed Management Frameworks and Applications.
Introduction to integrated watershed assessment and management tools for identifying programmatic water quality and quantity issues and their root causes and solutions, and their practical application. The scientific and socio-economic elements are considered within the context of planning and developing watershed protection plans and programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5319G. Omics Approach to Microbiology.
The course will discuss contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5327. Issues in Irish Biodiversity and Conservation.
In this course, students will learn about Irish flora and fauna, ecosystems, conservation strategies in areas of high ecological concern, and public involvement. Emphasis will be placed on case studies and service-learning opportunities. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5328. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5329. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and overwintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5331. Human Dimensions of Wildlife and Fisheries Conservation.
Humans play a role in nearly every aspect of wildlife and fisheries conservation. This course will provide students with principles, concepts, and case studies to understand how the human experience (e.g., culture, politics, economics) influences conservation outcomes. Students will also have an opportunity to integrate human dimensions into local decision-making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5335. Fisheries Management.
An introduction to principles and techniques in fisheries management. Includes the study of artificial reproduction, carrying capacity, productivity, sampling procedures, population estimates, mortality, survival growth rates, and commercial and sport fisheries. (Spring, even years).
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5350G. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their ability to cause disease, emphasizing the biological basis for virulence, and research strategies for investigating infectious diseases. Students may take only one of BIO 5350G or BIO 5445 for credit. Prerequisite: BIO 2400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350I. Emerging Infectious Diseases.
Current topics in the emergence of viral and bacterial diseases in humans. This course will include new diseases, diseases previously seen and increasing in incidence, and diseases not previously seen in this country. This course will be of interest to students who are pursing advanced degrees and courses in microbiology, biochemistry, and cell and molecular biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350J. Environmental Physiology of Animals.
This course is a study of how animals respond physiologically to changes in environmental temperature, moisture, salinity, partial pressure of gases, and toxins. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350K. Genomics.
The course is a lecture course in modern genomics, including principles of genome function, the human genome, comparative genomics, genome sequencing, evolution and genomic change, databases and medicine, ethical, legal and social issues. The course also includes discussion of transcriptomics, proteomics, metabolomics, directed evolution, protein design, and systems biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350L. Graduate Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including epigenetics and post-transcriptional regulation involving small non-coding RNA.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350M. Wildlife Policy and Law in North America.
This course provides the student with a historical and cultural context within which wildlife policy and law (federal treaties, statutes, case law, and regulations) have developed in North America, particularly in the United States. Graduate students will research the development of Wildlife law in representative states as well.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350O. Tropical Ecology and Conservation.
Students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems.
3 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350P. Tropical Ecology and Conservation Lab.
This laboratory course complements the lecture course BIO 5350O, in which students will obtain a first-hand knowledge of the ecology, biodiversity, conservation, and culture of tropical ecosystems. It is an immersive and intensive study abroad course combining traditional lecture and field-based laboratory instruction in tropical ecosystems. Corequisite: BIO 5350O.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Co-requisite(s): BIO 5350O
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Q. Biological Oceanography.
Students will be introduced to the principles of oceanography and will understand anthropogenic impacts on the oceans. Topics to be investigated will include: ocean formation and destruction, sediments, ocean circulation, waves, tides, estuaries, life in the oceans, hydrothermal vents, coral reefs, fisheries, marine pollution, and climate change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350R. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course is designed on topics of applied microbiology recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350T. Field Biology of Ireland.
In this course, students will use multiple techniques to explore biodiversity across multiple ecosystems in Ireland. Must be accepted into the Texas State in Ireland Study Abroad Program.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 5350U. Ecology of Rarity.
This course will examine the ecology of rarity and its ability to inform public awareness and environmental policy. This course will explore how we define rarity, persistence and viability. Is rarity more or less common than might be expected, and is there anything we can or should do about it?.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5350Z. Diversity and Cultural Impact of Geoparks.
Students will explore biological differences in diversity across Geoparks in the United States and Ireland. Additionally, students will study the cultural impact that Geoparks have on the local community and national policy by focusing on differences between science communication strategies and community engagement practices conducted at the parks. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5351G. Omics Approach to Microbiology.
This course covers contemporary approaches, techniques and bioinformatic tools used to study function and ecology in microbial communities. Topics covered will include microbiome, next-generation sequencing, metaproteomics, and their applications to clinical, agricultural, environmental and industrial needs.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5356. Plant Physiology.
Basic principles of plant physiology are studied in lecture and laboratory. Previous courses in biochemistry and genetics are strongly recommended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5362. Environmental Impact Analysis.
Current government regulations regarding environmental impact, content of environmental impact statements, how to proceed with an impact study, application of ecological principles to impact studies, and steps in the review process for environmental impact statements are considered. (Spring, odd years). Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5366. Medical Microbiology.
This lecture-based course will cover pathogenic bacteria and their relationship to disease, emphasizing critical evaluation of research literature, disease transmission and the biological basis for virulence. Prerequisites: BIO 2400 and BIO 2450 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5376. Microbial Biotechnology.
This course provides an overview of how microbes (e.g., bacteria, viruses and yeast) are manipulated to solve practical problems through biotechnology. This course design is based on topics of applied microbiology as recommended by American society of Microbiology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5377. Genome Informatics.
The course will cover basic knowledge on genomics and its bioinformatics tools. Students will learn current topics on genomics and bioinformatics, and will analyze genomic data using statistical software. All the analyses will be performed using a personal and a cluster computer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5390. Problems in the Biological Sciences.
Open to graduate students on an individual basis by arrangement with the faculty member concerned.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in BIO 5399B. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are used.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5400. Plants Important for Wildlife.
This course explores plant and plant part (specifically gall, fruit, seed, and twig) identification, phylogenetics, co-evolution of plant defenses, economic and ecological impacts of plant uses by wildlife.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5402. Earth Science I.
A study of astronomy and meteorology through observation, description, and interpretation of earth phenomena. Includes field observations, methods of measurement and interpretation of data related to the physical environment and space technology. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5403. Earth Science II.
The description and interpretation of earth phenomena considered from the standpoint of geology and oceanography. Includes field observations, methods of sampling and interpretation of data related to the physical environment. Requires independent scientific and science education research and presentation of findings in a professional context.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5408. Science Processes and Research.
Students will analyze scientific research design, design research, interpret data, and communicate results. Stress will be placed on broad-field structure and integration of major science concepts and research-based science pedagogy. This course must be taken the semester prior to student teaching and is required for those seeking 7-12 Life Science or Science teacher certification. This course may not count as one of the four upper-level Biology courses required of general Biology majors, or one of the three upper-level Biology courses required of Biology minors.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 5410. Field Biology of Plants.
Ecological relationships and natural history of plants, including historical geology, geography, soils, and vegetational regions of Central Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5411. Morphology of the Vascular Plants.
A phylogenetic survey of living and fossil vascular plants that focuses on external morphology and reproductive biology. Topics include phylogenetic reconstruction, the origin of vascular plants, seed reproduction, and the origin of angiosperms. Emphasis is on broad-scale evolutionary patterns and origin of major taxonomic groups.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5412. Plant Anatomy.
A descriptive and functional analysis of seed plants that focuses on internal structure. Topics include recognition and characterization of plant tissues, the structure of plant organs, and organ development. Emphasis is on pattern of tissue organization common to all seed plants and the functional basis for anatomical structure.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5413. Parasitology.
The biology and biological significance of the common parasites of man and animals.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5415. Ichthyology.
An introduction to the morphology, taxonomy, natural history, and evolution of fishes. Field trips will be made to collect specimens, and laboratory periods will be devoted to morphological and systematic analyses.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5418. Field Ornithology.
This course is designed to introduce and provide an advanced knowledge of the application of various field, laboratory, and statistical methods and techniques in the study of avian species. The course will include topics related to survey methodology, sampling design, marking/banding, measurement/sample extraction, and aging/sexing of avian species.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5419. Stream Ecology.
Class covers ecological theories, concepts, and processes occurring at the population, community, and ecosystem levels of organization in running water. Lab includes sampling methods, description and comparative studies, experiments, critical discussion of literature and experience in writing manuscripts. Prerequisite: Instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5420. Natural History of the Vertebrates.
Environmental relationships and natural history of vertebrates. Emphasis is on evolution taxonomy, speciation, behavior, and morphology. Laboratory will include field trips for the study and collection of vertebrates in their natural habitats. Students will assemble a representative collection of vertebrates.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5421. Ornithology.
Introduction to anatomy, behavior, ecology, and identification of the birds of Texas. Laboratory will emphasize field studies of birds and their habitat requirements.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5422. Mammalogy.
The taxonomy, distribution, ecology, behavior, and evolution of mammals with particular emphasis on wild mammals of the Southwest. Laboratory will emphasize anatomy, identification, preparation of specimens, and field exercises in methods of population analysis. Students may assemble representative mammal collection.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5423. Wildlife Management.
Application of ecological principles and natural history concepts to the management of wildlife habitats and populations. Laboratory will involve demonstrations and practice exercises with wildlife management techniques and instrumentation, and field trips to observe wildlife management projects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5424D. Vertebrate Endocrinology.
This course teaches function and organization of the endocrine system. It describes the major endocrine glands, the synthesis and release of their hormone products, and the interaction with target tissues. Endocrine control of digestion, growth, reproduction, and homeostasis will be compared between mammals and other vertebrate groups.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 5426. Immunology.
A study of the immune response, antigen/antibody reactions, major histocompatibility complex, and immunopathology.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. Emphasis will be placed on North American species and those groups inhabiting Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5435. Techniques in Wildlife Management.
The basic methodology of practical wildlife management. This involves techniques in monitoring and data collection related to population dynamics and habitat parameters of wildlife species as well as field research.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5436. Tropical Biology.
This course entails an analysis and evaluation of the governing principles of tropical ecosystems, including wildlife ecologies, geological processes, and environmental-cultural interactions. In the laboratories, students will compare ecological relationships that influence tropical biology, discuss peer-reviewed literature and examine tropical flora and fauna during field trips to regional sub-tropical areas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5441. Cellular Physiology.
Advanced cellular biology, including membrane physiology, thermodynamics, energy transduction and distribution, and cellular movement in non-muscle and muscle cells. Laboratory includes discussion of current research and exercises in cellular physiology.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5442. Experimental Techniques.
Use of methods and instruments applicable to biological investigations, including colorimetry, UV-spectrophotometry, fluorescence, flame and atomic absorption spectrophotometry, paper, gas, gel filtration and ion exchange chromatography, radioactive counting, and electrophoresis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5443. Fish Physiology.
This course examines the primary physiological functions in fish including how fish sense and interact with the environment, maintain their energetic metabolism (respiration, digestion and excretion), reproduce and maintain water balance. Students will learn about the diverse adaptions fish use to cope with environmental and physiological challenges.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5448. Bacterial Genetics.
This course will cover concepts and mechanisms involved in the genetics of Archaea and Bacteria. Graduate students will learn current strategies dealing with traditional molecular genetics including post-transcriptional regulation involving small non-coding RNA. In addition graduate students will also write a critical review on a research article from relevant topic.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 5450. Physiological Ecology of Animals.
Course brings together the principle concepts of environmental physiology of animals. The biological problems associated with living in various ecological realms will be discussed, and the biochemical and physiological adaptations of animals to their diverse habitats will be studied.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5454. Plant Ecology.
Functional ecology of terrestrial plants, plant populations, and communities. Laboratory emphasizes quantitative and experimental approaches to plant ecology and the use of field and laboratory physiology equipment.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5465. General Entomology.
Principles of morphology, physiology, and taxonomy of insects. Laboratory time will be devoted to a taxonomic study of the common orders and families of insects.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5466. Phylogenetic Methods.
Reconstructing phylogenies is important in most fields of biology. Course emphasis is on practical data collection, management, and analysis. Laboratory exercises will introduce phylogenetic and DNA analysis software, and WWW resources. Students will learn how to address questions in their own research using phylogenetic methodologies.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5470. Limnology.
Physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnology sampling methods, chemical and biological analysis of samples, and hydrographic surveying are included in the laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5471. Reservoir Ecology.
Study of the physical, geological, chemical, and biological factors that influence and make up reservoir ecosystems.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 5472. Animal Behavior.
This course presents all the major facets of the study of animal behavior, giving special attention to its evolution and ecological significance. We will discuss major conceptual models guiding past and present research in the field. Laboratories will emphasize experimental techniques and statistical analysis.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 5480. Cytology and Micro-technique.
Study of cellular ultra-structure and electron micro technique. Lecture portion of course will cover cytology of all cell types and theoretical aspects of light microscopy and electron microscopy. Laboratory portion will train students to proficiency in microscopy.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5481. Internship in Biological Laboratory Technologies.
The student will participate in the work of a selected biology unit (private, commercial, or governmental). A research paper reporting the internship experience conducted at the biological unit under the supervision of a faculty member will be required. This course may be credited toward a biology major with prior approval of the graduate advisor and department chair.
4 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5485. Scanning Electron Microscopy.
A course on theory of operation and practical use of the scanning electron microscope as applied to biological materials. The course includes aspects of specimen preparation, photomicroscopy, micrograph interpretation, and microscope maintenance procedures. The course will provide the student training necessary to independently do scanning electron microscopy.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 5490. Principles of Developmental Biology.
This course will cover basic principles of developmental biology in both plant and animal systems. The course will mainly address cell, molecular and genetic mechanisms underlying the development of model organisms, mainly focusing on Drosophila (animal) and Arabidopsis (plant).
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.A. or M.S. with a thesis are expected to enroll in thesis each semester in which faculty supervision is received or laboratory facilities are utilized.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7100. Professional Development.
This course is seminar-based and covers topics related to teaching, research, and employment responsibilities. Completion of the course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

BIO 7102. Seminar in Aquatic Resources.
Interactive discussion of timely issues and problems, designed to introduce students to the range of scientific, socioeconomic and policy issues likely to be encountered within the field of aquatic resources. All students seeking a doctoral degree in Aquatic Resources must enroll in BIO 7102 at least twice.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

BIO 7103A. Ecology and Society.
Interactive discussion on relationships between society and the life-supporting ecosystems on which humans depend. Topics include roles of naturalsystems in social systems; effects of social, economic and political institutions on ecological systems and services; and the means by which humans develop and sustain desired ecological and social states.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103B. Aquaculture.
The course comprises a survey of aquaculture production throughout the world. It also examines and discusses the impacts of aquaculture on nutrition, fisheries and the economy.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103C. Marine Pollution.
This course will be an interactive discussion of scientific literature on the bioaccumulation and trophic transfer of pollutants in the marine environment. Topics will include metals, oil, PCBs and emerging contaminants.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7103D. Molecular Biology of the Cell.
Interactive discussion of current literature on molecular biology of the cell. The course is designed to discuss concepts and their applications and methodology associated with the structure and function of the cell at cellular and molecular level.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103E. Contemporary Problems in Ecology.
This course is an interactive discussion of the theoretical foundations and empirical basis for controversial topics in ecology, designed to develop critical thinking skills, and the ability to evaluate and integrate the biological, chemical and physical factors that affect the structure, functions, and interactions characterizing communities and ecosystems.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103F. Molecular Genetics of Plant Development.
The study of plant development is rapidly changing as plant genome projects discover a multitude of new genes, and their expression and interaction patterns are understood. This course is designed to discuss concepts in plant development, and developmental processes as pathways of gene regulatory activities.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103G. Ecohydrology.
A review of the concept of ecohydrology, its scientific foundation, and its ecological-hydrological linkages. Current topics in ecohydrology in the literature will be discussed, including manipulation of biota and hydrology interactions in a landscape, and the possibility of augmenting the resilience of ecosystems to anthropogenic changes.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103H. Integrated Waterbird Management.
This course focuses on the ecology and management of waterbirds, with an emphasis on the inland and coastal waterbirds of Texas. The basic ecology of waterbirds, waterbird management techniques, and waterbird habitat management will be discussed.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7103I. Avian Ecology and Evolution.
This course is an interactive discussion of avian ecology and evolution, providing students with a critical examination of theories, hypotheses, and lab and field-based data that support or refute there hypotheses. This course also discusses peerreviewed literature that challenges some paradigms in avian ecology and evolution.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7114. Collaborative Research.
This course (concurrent enrollment allowed) allows Ph.D. level graduate students to initiate, conduct, and participate in collaborative research with graduate faculty of the Department of Biology that is in addition to research conducted under BIO 7303, BIO 7399A, or BIO 7699A. This course recognizes the collaborative nature of scientific investigation.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 7120. Population Biology Seminar.
This course facilitates exploration of current topics in population and conservation biology through reading and discussion of contemporary primary and secondary literature.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7199A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7214. Collaborative Research.
This course (concurrent enrollment allowed) allows Ph.D. level graduate students to initiate, conduct, and participate in collaborative research with graduate faculty of the Department of Biology that is in addition to research conducted under BIO 7303, BIO 7399A, or BIO 7699A. This course recognizes the collaborative nature of scientific investigation.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7299A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7300. Communicating Science.
This course explores how to successfully disseminate science through visualizations, oral presentations, and written works to multiple audiences. Special emphasis will be placed on communicating with the general public, media, granting agencies, and science peers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7301. College Science Teaching.
This course is designed for graduate students in the sciences who are interested in improving their science teaching and/or are interested in pursuing careers in academia. This course focuses on the central question, "How do college students best learn science, and thus how do we best teach them?".
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7302. Problems in Aquatic Resources.
Individual study on specific state, national, or international aquatic resources issues, under direct supervision of a doctoral or associate faculty member. Students may not enroll in BIO 7302 more than twice for doctoral credit without the approval of the Graduate Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7303. Research.
Research course for students who have not yet passed their Candidacy Exam, typically under direction of research-dissertation supervisor. Pre-candidacy students must enroll in course every semester until admission to Candidacy, although it may not be taken more than three times for doctoral credit without the approval of Graduate Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7308. History of Vegetation and Climate.
An overview of past vegetation and its relationship to changing climate. Topics include principles of paleovegetation analysis, paleoclimatology, the rise of flowering plants, vegetation during the age of dinosaurs, the rise of the grasslands, and the Quaternary Ice Age. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7310. Global Aquatic Resources.
Introduction to global, national, and regional aquatic resource issues, including scientific, environmental policy and socioeconomic components and perspectives. Water quantity and quality issues and their root causes in different regions of the world are examined, with an emphasis on case studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7312. Government Policy and Aquatic Resources.
Examination of aquatic resources issues in federal, state, or local governments, including examination of goals and relations of different governmental entities to each other. Relevant international treaties, and federal and state statutes in which these policies are embodied, are examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7314. Collaborative Research.
This course (concurrent enrollment allowed) allows Ph.D. level graduate students to initiate, conduct, and participate in collaborative research with graduate faculty of the Department of Biology that is in addition to research conducted under BIO 7303, BIO 7399A, or BIO 7699A. This course recognizes the collaborative nature of scientific investigation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7322. Scientific Method and Aquatic Resources.
Analysis of the scientific method applied to ecological research, focusing on aquatic ecosystems. Topics include methods of reasoning and statistical inferences in research, strategies of scientific research in aquatic ecology, and scientific research as a social process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7324. Natural History and Conservation of Large Mammals.
This course will introduce students to advanced details of natural history, research, and conservation of large mammals. Topics considered will include natural history, range and population status (historic and current), importance to and interaction with humans, research design and analysis, and the development of conservation and management plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7325. Wildlife and Recreation: Impact, Policy, and Management.
Students will be introduced to the impact human recreational activities have on wildlife habitats and populations. Management practices to enhance human-wildlife encounters or to minimize detrimental effects on wildlife populations will be presented. Prerequisite: BIO 4416 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7326. Immunobiology.
This lecture-based course will cover the mechanisms and biology of the innate and adaptive immune system. Emphasis will include relationship to cancer, transplantation, hypersensitivity (allergy), and disease. Students will evaluate current research in immunology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7328. Integrated Waterbird Management.
This course examines the principles and practical methodology of integrated waterbird conservation and management, including overview of waterbird ecology, techniques in monitoring and data collection related to population dynamics, and habitat parameters of waterbird species. Field trips may be required.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7336. Evolutionary Ecology.
This course will use an evolutionary perspective to explore questions provided by natural selection and sexual selection through assessment of current theory and research related to topics such as competition, coevolution, and phenotypic plasticity. Students will achieve comprehension and familiarity with the field through discussions and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7342. Virology.
This course examines the structure, multiplication and genetics of bacterial, plant, and animal viruses as well as the role of viruses in human and plant disease. Students are expected to become familiar with the research literature in virology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7346. Conservation Biology.
Examination of the alteration of habitats and associated biological changes threatening the continued existence of species and basic ecosystems. Topics include conservation ethics, working paradigms, levels and loss of global biodiversity, conservation at population and ecosystem levels, restoration ecology, endangered species biology and conservation laws. Recent Advances are stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7348. Aquatic Resources Economics.
Examination of economic and related social issues for facilitation of sustainable aquatic resources for competing beneficial human uses and ecosystem maintenance, including valuation of aquatic ecosystem services. Prerequisite: BIO 7312 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7350. Aquatic Resources Law.
Examination of treaties, state and federal laws, and regional and local regulations, affecting freshwater and coastal aquatic resources. The focus is on aquatic ecosystems, water quantity and quality and environmental conditions, including the availability, storage, use, and protection of aquatic resources. Prerequisite: BIO 7312 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7353. Biogeography.
Examines historical and ecological explanations of the geographic distribution of organisms including the role of geologic, climatic, and biologic changes. Emphasizes the historical and philosophical development of the science and modern methods of analysis.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

BIO 7355. Plant-Water Relations.
Examination of the physiology and ecology of water use in higher plants, including the uptake, utilization, and movement of water, transpiration and adaptation to variable water availability including drought, and the ecological role of water in structuring plant communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7356. Pollution of Aquatic Ecosystems.
Overview of the water quality degradation of aquatic ecosystems (rivers, lakes, wetlands, groundwater aquifers) and their living resources from point and nonpoint pollutant sources. Topics will include aquatic ecosystem pollution and impacts attributable to nutrients, heavy metals, organic chemicals, sediment, salinization, and acid rain. Field trips may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7360A. Industry and Sustainable Aquatic Resources.
Examination of industrial water needs and uses, the types and quantities of water pollutants produced by different industries, problems faced by industry regarding process water for different manufacturing activities, and the possibilities for industry to contribute to the goal of sustainable aquatic resources.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360B. Environmental Linkages and Sustainable Aquatic Resources.
Introduction to the environmental relationships between humans and other living beings and the ecological systems in which they exist. Emphasis will be on the potential for individual environmental problems to have serious impacts on other environmental components, as well as the nature of these impacts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360C. Role of State and Federal Courts in Protection and Maintenance of Aquatic Resources.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360D. Evolutionary Ecology.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360E. Advances in Water Quality Investigations.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360F. Approaches to Aquatic Resource Modeling.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360G. Molecular Techniques in Microbial Ecology.
Lectures on molecular techniques used to analyze structure and function of uncultured microbial communities in the environment with selected examples of applications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360H. Parasites and Diseases of Fishes and Other Aquatic Animals.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics
Grade Mode: Standard Letter

BIO 7360I. Bayesian Statistics for Biology.
This course examines the theory and mathematical foundations of Bayesian statistics and provides instruction and experience conducting Bayesian analyses using computer-based procedures. The course emphasizes practical applications for Bayesian statistical procedures for problems in biological sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360K. Evolution.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360L. Landscape and Biogeography of Texas.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360M. Wetland Ecology.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360N. Behavioral Ecology.
Examination of evolutionary implications of behavioral interactions through the assessment of current theory and research related to cooperation and conflict, mating and parental conflict and sexual selection. Class will consist of lectures, discussions of recent primary literature, and scientific writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360P. Regulation of Plant Growth and Development.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360Q. Spatial Ecology of Animals.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course maybe repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360R. Community and Ecosystem Ecology.
Examination of current or emerging state, national and international aquatic resources issues, including root causes and their human and ecosystem interactions. The course may be repeated for credit, depending on the topic. No more than six hours can be counted for doctoral credit without the approval of the Program Director.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360S. Soil Biology.
An introduction to the biology of soil systems, including the roles of biota in forming and maintaining soils, and the interactions between biotic and abiotic components in soils.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360T. Karst Hydrogeology and Geomorphology.
An introduction to, and advanced understanding of, karst hydrogeology, geology, and geomorphology, with emphasis on field and theoretical applications of this information to the study of karst systems, and recognition and understanding of karst landforms at the surface and their relationships with subsurface processes. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360U. Sustainability in a Changing World.
Understanding the ecological-social interface, including policies, product development and actions towards sustainability, with emphasis on integrating and implementing theories and methods across disciplines, and improving the knowledge and experience base for public policy and decision-making regarding human-environment linkages within the context of sustainable development. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360V. Techniques in Aquatic Biology.
The course will provide hands on experience with a suite of physical, chemical, and biological sampling techniques and gear used in applied river studies. Students will be exposed to the fundamentals of data quality objectives, accuracy, precision, detection limits, data visualization, exploratory analysis, univariate and multivariate statistics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7360X. Communicating Science.
This course explores how to successfully disseminate science through visualizations, oral presentations, and written works to multiple audiences. Special emphasis will be placed on communicating with the general public, media and granting agencies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360Y. Applied Bioinformatics.
This course provides an introduction to scripting and other computational techniques used for visualizing and analyzing large biological datasets. Computational techniques include sequence and structural alignment, data mining, phylogenetic tree construction, and data clustering using UNIX, Python, and R. Students will gain a solid foundation in broadly applicable bioinformatics skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7360Z. College Science Teaching.
This course is designed for graduate students in the sciences who are interested in improving their science teaching and/or are interested in pursuing careers in academia. This course focuses on the central question, "How do college students best learn science, and thus how do we best teach them?".
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7361A. Discipline-Based Educational Research Methods.
This course will expose science graduate students to educational research in a practical setting, supervised by a professor experienced in conducting discipline-based educational research, focusing primarily on qualitative methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BIO 7361B. Ecology of Temporary Waters.
The course explores the diversity of temporary bodies of water and of the species that rely on them, including their special adaptations, population and community dynamics, the ecological role of temporary waters, and how these systems are impacted by humans. Background coursework or independent study in ecology is recommended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7361C. Advanced Genomics and Bioinformatics.
This course provides hands-on experience in processing and analyzing data produced from contemporary genomics tools for thesis students with basic bioinformatics training. Prerequisite: BIO 7360Y with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7361D. Raptor Ecology.
This course will examine the evolution, taxonomy, ecology, behavior, anatomy, physiology, and conservation of birds of prey of the world with emphasis on diurnal raptors, including those from Texas. Field trips will include at least two overnight visits to significant migration and over wintering areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BIO 7362. Environmental Impact Analysis.
Examination of government regulations regarding environmental impact, content of environmental impact statements, procedure for impact studies, application of ecological principles to impact studies, and the review process for environmental impact statements, focusing on aquatic resources.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7366. Integrated Water Resources Management.
Study of principles for integrated management of aquatic ecosystems, including drainage basin, regional, and transboundary dimensions. Other global issues (climate change, biodiversity, etc.) also are discussed as components of integrative approach for multi-functional programs for sustainable use of aquatic ecosystems. Prerequisites: [BIO 7310 and BIO 7412 both with grades of "C" or better] or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7367. Behavioral Ecology.
Examination of the evolutionary implications of behavioral interactions through the assessment of current theory and research related to social behavior, sexual selection and sexual conflict, and mechanisms of behavior. Students will achieve comprehension and familiarity with the historical development of the field of behavioral ecology through discussions and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7399A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7401. Assessment Techniques for Aquatic Resources.
The rationale for designing and implementing monitoring and sampling programs for aquatic resources is examined. General field and laboratory methods for assessing water quantity, water quantity and the status of aquatic ecosystems and their living resources, will be introduced. Field trips will be required.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7402. Molecular Field Techniques.
The application of molecular tools for identifying, quantifying, and interpreting biological diversity assessments in aquatic systems. The course focuses on micro organismal identification and vertebrate model systems.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 7405. Statistics and Experimental Design I.
Introduction to inferential statistics, including exploratory and confirmatory data analysis, estimation and hypothesis testing, analysis of variance and regression, and non-parametric techniques, as applied to aquatic resource issues. Computer applications emphasized.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7406. Statistics and Experimental Design II.
Introduction to the principles of experimental design, including randomization, replication, sample-size determination, completely randomized and randomized block design, factorial design, repeated measure design, and analysis of variance and covariance, as applied to aquatic resource issues. Computer applications emphasized. Prerequisite: BIO 7405 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7407. Instrumentation for Water Quality Analysis.
An introduction to the theory and application of laboratory and field instrumentation and techniques for analysis of water quality. Prerequisite: CHEM 3410 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 7408. Fish Ecology and Conservation.
Examination of the linkages and interactions between fish assemblages and communities and their population ecology. Issues related to flowing and pooled water systems and fisheries conservation also are discussed. Field trips may be required.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7410. Aquatic Microbial Ecology.
Examination of microbial organisms, communities, and interactions affecting the form, structure, and functional aspects of aquatic ecosystems. Field trips may be required. Prerequisite: BIO 2400 with a grade of "D" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7412. Environmental Hydrology.
Overview of the properties, distribution, and movement of water over and under the land surface and its relation to sustainable aquatic ecosystems, including quantitative methods to assess cumulative impacts of human activities on such systems. Field trips may be required. Knowledge of calculus recommended.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7414. Ecology of Infectious Diseases of Wildlife.
Concepts of the ecology of infectioius diseases in wildlife are studied in depth with emphasis on their application to the management and conservation of wildlife species and for the control of zoonotic diseases. Prerequisite: Instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7415. Ichthyology.
An introduction to the morphology, taxonomy, natural history, and evolution of fishes. Field trips will be made to collect specimens, and laboratory periods will be devoted to morphological and systematic analyses.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7419. Stream Ecology.
Study of ecological theories, concepts, and processes occurring at the population, community, and ecosystem levels of organization in running water. Laboratory includes sampling methods, descriptive and comparative studies, experiments, and critical discussion of literature. Field trips may be required.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7421. Landscape Dynamics.
Study of processes influencing energy and material flows, interactions and cycling in aquatic ecosystems, including system and spatial analysis of landscapes, aquatic ecosystems, land use characteristics, and associated human impacts. Field trips may be required. Knowledge of calculus recommended. Prerequisite: BIO 7412 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7422. Wetlands Ecology.
Study of the characteristics, classification, conservation and management of marshes and other periodically-inundated ecosystems, emphasizing the interactions of physical, chemical and biological factors. Field trips may be required. Prerequisite: BIO 4416 with a grade of "D" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7424. Phycology.
Examination of algae (phytoplankton, periphyton) and their structure, taxonomy, ecology and distribution.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $20; Fee - Lab BIO

BIO 7426. Ecology and Management of Aquatic Macrophytes.
Examination of aquatic macrophytes and their ecology, taxonomy, distribution and management. Field trips may be required.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7427. Principles of Population Biology I.
Provides a foundation in theory and mathematics of basic population biology. The course is divided into modular components including defining evolutionary significant units, ecology of populations, genetics of populations, and evolutionary genetics. Prerequisites: BIO 2450 and BIO 4416 both with grades of "D" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7428. Principles of Population Biology II.
Provides a foundation in theory and mathematics of basic population biology. The course is divided into modular components which include: 1) Ecology of Communities, 2) Evolution of Behavior, 3) Phylogenic Methods, and 4) Biological Diversity and Conservation Biology. Prerequisite: BIO 7427 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7430. Mycology.
This course provides an introduction to the organisms in the Kingdom Fungi and to fungus-like organisms, their ecology and evolution, and their role in industry and disease. Special emphasis will be placed on morphology, culturing, and using laboratory techniques for identification.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7433. Population Genetics.
This course examines the theoretical foundations of population genetics, including the description of population genetic structure and the forces creating it. The course emphasizes application of principles to a wide range of current problems in evolution, systematics and ecology. Molecular methods, data interpretation and computer-based data analysis are emphasized.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7434. Herpetology.
A course treating the origin and evolution of amphibians and reptiles; their reproductive and physiological tactics; taxonomy/systematics; and population biology. While cosmopolitan in scope, emphasis will be placed on North American species and those groups inhabiting Texas.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

BIO 7440. Aquatic Toxicology.
Introduction to principles for identifying and assessing the adverse effects of chemicals and other compounds and mixtures on aquatic organisms and ecosystems.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 7447. Microbial Physiology and Genetics.
Prokaryotes, including bacteria and archaea, are the most diverse group of organisms on earth. Many prokaryotes live in environments which are inhospitable to other life forms. This course covers major aspects of prokaryotic physiology and genetics that permit them to be so successful. Prerequisites: BIO 2400 and BIO 2450 both with grades of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $30; Fee - Lab BIO

BIO 7466. Phylogenetics.
Study of the use of phylogenetic methodologies in aquatic research, including practical data collection, management, and analysis in the reconstruction of phylogenies. Laboratory exercises will introduce phylogenetic and DNA analysis software. Prerequisite: BIO 2450 and BIO 4369 and BIO 5466 all with grades of "C" or better or instructor approval.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $25; Fee - Lab BIO

BIO 7468. Groundwater Resources.
Study of the geological, physical, chemical and biological factors influencing sustainable groundwater resources, including hydrologic linkages and interactions with surface aquatic resources. Emphasis will be on the karst aquifer systems of Central Texas, and other groundwater aquifer systems of the United States.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 7469. Introduction to Ecological Modeling.
Mathematical models range from simple conceptual models to complex mechanistic models for mimicking behavior of natural systems. This course provides a broad overview of modeling objectives, techniques and assumptions, as well as the practical skills needed to conduct modeling projects. Computer applications emphasized. Prerequisite: MATH 2471 with a grade of "C" or better or instructor approval.
4 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

BIO 7470. Limnology.
Physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Limnology sampling methods, chemical and biological analysis of samples, and hydrographic surveying are included in the laboratory.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7471. Reservoir Ecology.
Study of the physical, geological, chemical, and biological factors that influence and form structural and functional aspects of reservoir ecosystems. Lab focuses on field, laboratory, and mathematical approaches to quantifying and managing these important ecosystems. Field trips may be required. Prerequisite: [BIO 4470 with a grade of "D" or better] or [BIO 5470 with a grade of "C" or better] or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $10; Fee - Lab BIO

BIO 7475. Restoration of Polluted Aquatic Resources.
Overview of methods for treating or restoring aquatic resources degraded by pollution and related anthropogenic impacts. Topics include point and nonpoint source pollution of surface waters and groundwater aquifers, pollution from storage and waste disposal sites, aquatic habitat rehabilitation, and on-site methods. Field trips may be required. Prerequisite: BIO 7356 with a grade of "C" or better or instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $15; Fee - Lab BIO

BIO 7599A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7699A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

BIO 7999A. Dissertation.
Original research and writing in Aquatic Resources, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Business Administration (B A)

B A 2310. Introduction to Business in a Global Environment.
The course introduces the modern business enterprise with an emphasis on the interdependence of the business functions in a global environment. Topics include the cross border impacts of culture, politics, and law on trade, investment, marketing, management, and accounting and financial systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BUSI 1301

B A 4300. Independent Study in Global Business.
This study abroad course introduces students to the international business environment. Topics include cultural, political, social, and economic factors affecting international business, and the regulatory and ethical environment of global businesses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 4312. International Business Internship.
Integration of professional and academic experience through internship in an international business related activity with an external employer. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 4315. International Trade Operations.
This course examines the basics of international trade operations, focusing on the procedures, documentation, and regulation pertaining to export and import operations from the prespectives of exporters, importers, and various intermediaries. Prerequisites: MGT 3375 and MKT 4310 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 5351. Organizational Performance and Competitive Advantage.
This course is designed to provide an integrative understanding of the firm. A variety of organizational models and perspectives will be incorporated to facilitate understanding of the complexities of the firm, its environments, and its relationships with stakeholders. Includes focus on case analysis issues and communication skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5352. Developing the Financial Perspective of the Firm.
Development of the theoretical basis and presentation of accounting and finance. Topics include understanding the basic elements of financial statements, the use of accounting information in decision making, and the techniques for the acquisition and management of the firm's financial resources. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5353. Understanding and Analyzing Organizational Problems.
An introduction to the concepts of economic theory and optimization, with an emphasis on developing skills in data and economic analysis to solve business problems. Coverage includes prices, costs, market structures, macroeconomic policies, and optimization. Corequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

B A 5368A. MBA Full Time Cohort International Experience.
This course will focus on developing an understanding and analysis of issues related to business challenges in another country. Students will gain first-hand experience with the business practices, culture and economy of another country. Corequisite: MGT 5313 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

B A 5396. Internship in Business Administration.
This course is based on experiential learning while the student works in business administration. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

B A 5398. Independent Study in Business Administration.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in business administration and work independently on a specialized project. Course may be repeated with approval of associate dean for graduate programs. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Business Law (BLAW)

BLAW 2361. Legal Environment of Business.
A survey of basic features of the American legal system and legal aspects of business transactions. Topics include the nature and sources of law, court systems and procedures, agency, torts, contracts, ethics, and government regulation of business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BUSI 2301

BLAW 3360. Business Organizations and Government Regulations.
This course studies corporations, partnerships, limited liability companies, securities law, law for small business, administrative law, consumer law, environmental law, antitrust law, and insurance. Prerequisite: BLAW 2361 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 3363. International Business Law.
This course studies the principles of international business law which emphasizes the commercial activities of the multinational firm conducting business in global economic, political, social and cultural environments. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

BLAW 3364. Commercial Law.
This course studies sales law, negotiable instruments, secured transactions, suretyship, bankruptcy, personal property and bailments, real property, and creditors' rights and remedies. Prerequisite: BLAW 2361 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 3367. Employment Law.
This course studies the legal developments in the workplace, with emphasis on attempts to maintain a proper balance between employees' interest in earning a livelihood and employers' interest in operating their business efficiently and profitably. Prerequisite: PHIL 1320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 4395. Independent Study in Business Law.
An in-depth study of a single topic or related problem solved through business law research. May be repeated once for credit with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

BLAW 5310. The Employment Relationship.
A study of trends in the rapidly evolving "law of workplace," with emphasis on how lawmakers attempt to balance the rights and responsibilities of employers and workers. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5333. Legal Issues of Sustainability and Responsibility.
Diverse frameworks and analytical methods underlying our understanding of sustainability are explored, including the legal aspects & impact on business, society, environment and economy. Topics include corporate governance, globalization, urbanization, energy, human population, food, natural resources, water and equity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5364. Commercial Law.
A traditional business law course which examines sales, negotiable instruments, creditor's rights and remedies, secured transactions, bankruptcy law, personal property, bailments, real property and landlord-tenant relationships. Prerequisite: BLAW 2361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

BLAW 5368B. Law and Ethics in the Business Environment.
An examination of the ethical dimensions of management decision-making. Problems are viewed through the lens of a value system determined, in part, by the legal system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368D. Business Dispute Administration.
Course describes civil and religious law systems, both in the U.S. and abroad, alternative dispute resolution programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368E. Environmental Law and Policy.
Course attempts to integrate the study of environmental law w/ concepts from other disciplines necessary to an assessment of the law, primarily economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368F. Business Law for Entrepreneurs.
Course explores steps that an entrepreneur who is contemplating leaving an employer can take to make the departure amicable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

BLAW 5368G. Legal Issues in International Business.
This course examines legal issues relevant to international business transactions, emphasizing international trade, licensing of intellectual property, and foreign direct investment. Environmental, dispute resolution, labor, e-commerce, marketing, and ethical issues will also be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

BLAW 5368I. International Business Ethics.
This course examines the legal and ethical challenges inherent in international marketing, international environmental and energy practices, international labor and employment practices, trade negotiations, foreign direct investment, intellectual property licensing, technology development, data collection mining, corporate tax inversion, and global corporate social responsibility. Students will also discuss the individual behavioral, organizational, and cultural factors that influence ethical and unethical business decisions in the global business environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Career and Technical Education (CTE)

CTE 3304. Human Relations for Career and Technical Education Teachers.
This course emphasizes the combination of psychological and sociological factors that influence relationships of CTE teachers in the pursuit of professional duties. Strategies for teaching students and mentoring employees on the dynamics of human relations are highlighted.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3307. Selection, Placement, and Follow-up in Career and Technical Education.
This course provides an overview of the practices of occupational selection, placement of students in suitable employment and cooperative sites, and coordinating the relationship between school and workplace site.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3308. Problems in Cooperative Training.
The course highlights the organization, presentation, and selection of content material necessary in part-time work-based learning programs. The need for community, workplace/industry, family, school, and student partnerships in curricular assessment is emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3313A. Special Needs Students in CTE.
This course involves in-depth studies of characteristics, principles of inclusion, development and implementation of individualized programs of instruction and collaboration with school personnel for effective education of special needs students, including special education, limited-language proficiency, and gifted and talented students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 3313F. Development and Change in Organizations.
Today's organizations face constant pressures to change—whether a government entity, a private business, a not-for-profit, or an educational institution. This course introduces how to effectively facilitate change by examining the issues and practices of organization development (OD), including what kinds of interventions to apply in various contexts and situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 3313G. Introduction to Leadership.
This course provides an overview of current leadership theory and research with emphasis on practical application. Students will examine the complexities of practicing leadership, analyze models of effective leadership, and explore concrete strategies for becoming better leaders.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 3313H. Creating a Purposeful Life Plan: A Journey of Self-Exploration and Discovery.
Students in this course will apply analytical tools, psychology and sociology theory, and planning skills in developing a plan consisting of personal and professional goals in seven areas that define a purposeful life. They will also master techniques, including the selection and use of mobile apps to implement their goals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 3313J. Trends and Issues in Occupational, Workforce, Leadership Studies.
Students will examine emerging trends and issues impacting today's workplace. The students will search the literature for research-based articles and synthesis the information and create abstracts and key points.Specific course content will vary significantly offering to offering based on unique needs and interest of course participants.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 3313K. STEM Literacy for the Workplace.
This course will introduce students to critical STEM literacy skills needed to thrive in the STEM workforce. Students will explore STEM literacy skills to relate them to high demand occupations, evaluate their personal STEM literacy experiences, and create a learning plan to enhance their STEM knowledge and skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 3315. Leadership and Professional Development.
This course prepares students to examine and apply principles of leadership to create their own applicable model of influencing others. Topics covered include leadership behavior, strategic thinking, managing energy, and getting results within an organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CTE 3320. Effective Methods of Teaching and Training.
This is an introductory/fundamental course for instructors in trade and industrial education seeking certification and technical trainers who are not seeking certification. It is designed to prepare these individuals to apply effective teaching principles and techniques, to prepare lesson plans, and manage classrooms. Practice teaching will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3321. Work-based Learning in Career and Technical Education.
This course is intended for teacher coordinators of work-based program in trade and industrial cooperative education. There is an emphasis on selection of occupations and appropriate training stations, student recruitment, instruction coordination in on-the-job educational experiences, state and local report preparation and required record keeping systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3322. Teaching and Training as Professions.
This course emphasizes the professional requirements of teaching and training in a variety of settings. Professional topics include licensure and preparation for the profession, organizations, philosophical foundations of teaching and training, and the socio-political landscape of teaching and training.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3323. Technology Applications.
This course covers the use and integration of computers in the classroom or office. Topics include history of computers, use of word processor, spreadsheet, and presentation software; overview of common computer programs; history and use of the Internet, and computer security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3324. Entrepreneurship in Schools, Communities, and the Workplace.
Students will gain an in-depth understanding of entrepreneurship and its application in the contexts of schools, communities, and the workplace. This course intersects entrepreneurial concepts in career and technical education with educational entrepreneurship, social entrepreneurship, and intrapreneurship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3340. Occupational Skills for the 21st Century.
This course allows students to explore past and present occupational trends, new and emerging occupations and the 21st century occupational skills necessary for success. Students will explore transferability of occupational skills and how these skills are applied and packaged for career transitions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3380. Education and Training Programs in Workforce Settings.
This course helps students investigate the range of programs related to education and training in Workforce settings. Students will investigate government policies, program coordination techniques, and organizations related to learning in the workplace. Students will explore local programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3381. Strategies for Education and Training in Workforce Settings.
This course provides an overview of identifying curriculum, individual learning styles, needs of learners in the workforce, instructional strategies, providing support for diverse learners, inclusive instructional strategies, and the use of technology and assessment in workforce settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 4302. Coordination Techniques.
This course presents an overview of the cooperative program in marketing and distributive education (MDE), the establishments of MDE programs, the guidance, selection and placement of students, adjustment of work for individual needs, setting student objectives, evaluation, labor laws, and public relations relevant for MDE programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 4304. Organization and Management of Marketing Education Programs.
This course provides instruction on the organization and administrative structure of marketing organization in the United States. Additionally, the use of objectives, program improvement techniques, appropriate teacher selection techniques, and evaluative criteria are emphasized in relation to marketing and distributive education programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 4310. Independent Study in Career and Technical Education.
This course is an independent study of various subjects in CTE. Work is done on an independent basis under the direction of the faculty member. Repeatable for credit with different emphases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CTE 5300. Career and Technical Education Student Identification, Placement, and Follow-up.
This course provides an overview of the theory, methods, and instruments used in determining occupational aptitude, programs of job placement, and the study of the development and coordination of student follow-up.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5301. Technology of Teaching.
This course presents the research and theory related to the technology of teaching. Topics include learning theories, effective teaching techniques, motivation and performance, evaluation, and classroom dynamics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5303. Interdisciplinary Studies in Occupational, Workforce, and Leadership Studies.
This course provides an overview of interdisciplinary studies' frameworks in the fields related to occupational, workforce, and leadership studies. Students investigate career options, develop plans of study, integrate interdisciplinary academic material, and refine interdisciplinary writing skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5305. Laboratory and Classroom Organization and Management.
This course involves the organization and management of CTE classroom and instructional laboratories and related materials. It includes the establishment of record and inventory systems, establishment of student rotations, hygiene and safety requirements, working with suppliers and potential donors, and maintenance of equipment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5306. Instructional Materials Development Technology.
This course provides students opportunities to develop knowledge, skills, and abilities relevant to assessing instructional materials in education and training, within the context of real-world settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5307. Selection, Placement, and Follow-Up in Cooperative Education.
This course provides an overview of organizing and operating cooperative training programs in the community. It includes instruction in the procedures for assisting in the selection of occupations appropriate for students, assisting students in managing school and work time, and coordinating of school and workplace instructional efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5308. Problems in Cooperative Training.
This course provides a review of basic standards for cooperative education, underlying reasons for standards, and current issues/problems in cooperative education programs. Students will discuss and provide solutions to current dilemmas of cooperative education, through the use of organizational research techniques and organizational problem solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5312. Development, Organization, and Use of Instructional Material.
This course involves the selection of lesson content, lesson planning, and instructional material development. The emphasis is on the effective development and evaluation of instructional materials. A variety of methods will be taught to gather and utilize instructional materials.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5313C. Teaching Entrepreneurship in Career and Technical Education.
This course includes a study and analysis of ownership, marketing strategies, location, financing, regulations, managing, and protecting a business. Students will analyze current research and techniques in teaching entrepreneurship in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 5313L. Emergent Workplace Perspectives.
This course examines the emergent and evolving nature of the modern workplace. Students will explore topics related to interdisciplinary perspectives in the workplace such as inequality related to gender and race, workers' rights, knowledge, control, the role of technology, and globalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 5313M. Program Evaluation in Career and Technical Education.
Students will gain an in-depth understanding of terminology and program evaluation, guiding principles, approaches and models, and professional standards utilized while conducting program evaluations of career and technical education (CTE) programs. Students will apply these concepts to design a program evaluation proposal for an existing or proposed CTE program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CTE 5314. Human Relations for Career and Technical Education Teachers.
This course includes a study of methods of establishing and maintaining effective relationships with students, co-workers, families, business and industry, and community members. Strategies for teaching students and mentoring employees on the dynamics of human relations are highlighted.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5315. Leadership and Professional Development.
This course provides an overview of leadership approaches used in various educational, training, and workplace settings. Students will explore current research on leadership and engage in activities geared toward building leadership skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5320. Effective Methods of Teaching and Training.
This fundamental course is for trade and industrial educators seeking certification and technical trainers who are not seeking certification. It is designed to prepare them to apply effective teaching principles and techniques. Lesson plans will be prepared, classrooms managed, and practice teaching included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5321. Work-based Learning in Career and Technical Education.
This course is intended for teacher coordinators of work-based programs in trades and industrial cooperative education. There is an emphasis on selection of occupations and training stations, student recruitment, instructional coordination in numerous on-the-job experiences, state and local reports, and recordkeeping requirements. Research is conducted on local districts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5322. Teaching and Training as Professions.
This course emphasizes the professional requirements of teaching and training in a variety of settings. Professional topics include licensure and preparation for the profession, organizations, philosophical foundations of teaching and training, and the socio-political landscape of teaching and training. Research is conducted on reform efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5323. Technology Applications.
This course covers the use of computers in the classroom or office. Topics include history of computers, philosophies of computer integration, research in computer use, overview of common computer programs, and history and use of the Internet. Trades and Industry teacher candidates will review for the TExES examination.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5324. Human Performance in the Workplace.
The course provides an overview of current quality improvement strategies utilized in business and industry settings. Topics include the teaching of Human Performance Technology (HPT), organizational culture, teamwork, leadership, measuring improvement, statistical process control, and restructuring of work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5330. Overview of Interdisciplinary Research.
Students will become familiar with various interdisciplinary research methods, learn concepts related to research, and conduct reviews and critiques of academic research articles. The application of academic research to practical problems will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5341. Supervision of Career and Technical Education.
This course provides an overview of skills and attitudes for the supervision of personnel in the field of CTE. Students will learn the dynamics of supervision, the supervisor's role in the workplace, and the evaluation of instructional and other personnel in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5355. Career Education and Occupational Information in Career and Technical Education Guidance.
This course deals with the collection, evaluation, and interpretation of common occupational, career, and personal information. It includes an overview of current theory and research in occupational selection techniques, psychological and sociological factors in career selection, and job analysis. The emphasis is on the practical application in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5390. Independent Study in Career and Technical Education.
This is an independent study course involving the study of important and timely topics in CTE. Students complete the study at the direction of the faculty member. This course may be repeated with different topics with departmental permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Chemistry (CHEM)

CHEM 1141. General Chemistry Laboratory I.
First of two laboratory courses in general chemistry for science-related majors. Course introduces the students to the basics of experimental measurements, including density, separation techniques, formula determinations, titrations, thermodynamics, gas laws, and descriptive chemistry. Corequisites: CHEM 1310 or CHEM 1335 or CHEM 1341 any with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHEM 1111
Course Fee: $6; Fee - Lab CHEM

CHEM 1142. General Chemistry Laboratory II.
Second of two laboratory courses in general chemistry. Laboratory techniques are emphasized, and applied to both qualitative and quantitative analysis. Prerequisites: CHEM 1141 and CHEM 1341 both with grades of "D" or better. Corequisite: CHEM 1342 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHEM 1112
Course Fee: $6; Fee - Lab CHEM

CHEM 1310. Introductory Chemistry for Non-Science Majors.
A one semester principles course for students in non-science related majors. Course covers the major concepts of chemistry and the role of chemistry in contemporary society. Students will not receive credit for both CHEM 1310 and CHEM 1341.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: CHEM 1305

CHEM 1330. Chemistry for Non-Science Majors.
This is the second of two lecture courses for non-science majors. The course surveys organic and biochemistry and current topics which may include energy-related topics, nuclear chemistry, environmental chemistry, medicinal chemistry, and synthetic and natural polymers. Prerequisite: CHEM 1310 or CHEM 1341 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: CHEM 1307

CHEM 1335. Engineering Chemistry.
This one semester lecture course is tailored to engineering students. Topics include stoichiometry, gases, chemical bonding and structure, periodic trends, materials, energy, kinetics, equilibrium, electrochemistry and nuclear chemistry. Course is a stand-alone course and does not serve as a prerequisite to any courses currently requiring CHEM 1341 as a prerequisite. Prerequisite: MATH 1315 or MATH 2417 or MATH 2471 any with a grade of "C" or better or ACT Mathematics score of 24 or better or SAT Mathematics score of 550 or better or Accuplacer College Mathematics score of 86 or better or Compass College Algebra score of 46 or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: CHEM 1309

CHEM 1341. General Chemistry I.
Initial lecture course in general chemistry for science-related majors, covering atomic and molecular structure, bonding, states of matter, solutions, and descriptive chemistry. Students will not receive credit for both CHEM 1310 and CHEM 1341. Prerequisites: MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 any with a grade of "C" or better or ACT Mathematics score of 24 or better or SAT Mathematics score of 550 or better or Accuplacer College Mathematics score of 86 or better or Compass College Algebra score of 46 or better. Corequisites: MATH 2417 or MATH 2471 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: CHEM 1311

CHEM 1342. General Chemistry II.
Second of two lecture courses in general chemistry for science-related majors, covering equilibrium processes, acid-base chemistry, and kinetics, and electrochemistry. A basic knowledge of algebra is needed. Prerequisite: CHEM 1341 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: CHEM 1312

CHEM 2130. Laboratory Technique in Organic Chemistry.
An optional laboratory to accompany CHEM 2330, covers experimental techniques of preparation, purification, and determination of physical and chemical properties of organic compounds. Prerequisites: CHEM 1142 and CHEM 1342 both with grades of "D" or better. Corequisite: CHEM 2330 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 2141. Organic Chemistry Laboratory I.
This laboratory introduces the student to the general techniques of organic chemistry. Prerequisites: CHEM 1342 with a grade of "C" or better and CHEM 1142 with a grade of "D" or better. Corequisite: CHEM 2341 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHEM 2123
Course Fee: $6; Fee - Lab CHEM

CHEM 2142. Organic Chemistry Laboratory II.
This laboratory involves the study of typical organic reactions. Prerequisites: CHEM 2341 with a grade of "C" or better and CHEM 2141 with a grade of "D" or better. Corequisite: CHEM 2342 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHEM 2125
Course Fee: $6; Fee - Lab CHEM

CHEM 2150. Biochemistry & Metabolism Lab.
An optional laboratory to accompany CHEM 2350. This laboratory examines the physical properties and chemistry of carbohydrates, amino acids, proteins, lipids and nucleotides. Course is designed for students majoring in nutrition, clinical laboratory science and agriculture. Prerequisites: [CHEM 2130 and CHEM 2330] or [CHEM 2142 and CHEM 2342] any with a grade of "D" or better. Corequisites: CHEM 2350 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 2330. Fundamentals of Organic Chemistry.
A one-semester course which covers nomenclature, structure and reactions of organic compounds with an introduction to bioorganic molecules. Course is designed for students majoring in nutrition, clinical laboratory sciences and agriculture. Prerequisites: CHEM 1142 and CHEM 1342 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 2341. Organic Chemistry I.
This course covers the nomenclature, reactions and reaction mechanisms of the hydrocarbons and the alkyl halides. Prerequisites: CHEM 1342 with a grade of "C" or better. Corequisite: CHEM 1142 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHEM 2323

CHEM 2342. Organic Chemistry II.
This course covers the nomenclature, reactions and reaction mechanisms of the major functional groups. Prerequisite: CHEM 2341 with a grade of "C" or better. Corequisite: CHEM 2141 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHEM 2325

CHEM 2350. Biochemistry & Metabolism.
A one-semester study of carbohydrate, proteins, lipids and nucleotides which presents both structure and intermediary metabolism along with an introduction to the function of enzymes and coenzymes. Course is designed for students majoring in nutrition, clinical laboratory science and agriculture. Prerequisites: [CHEM 2130 and CHEM 2330] or [CHEM 2142 and CHEM 2342] any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 3245. Physical Chemistry Laboratory.
Experiments illustrating principles and methods of physical chemistry are performed. Written reports on the experiments are prepared. (WI) Prerequisites: CHEM 3330 with a grade of "C" or better and CHEM 3410 with a grade of "D" or better. Corequisites: CHEM 3340 with a grade of "D" or better.
2 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 3276. Experimental Biochemistry.
Course introduces biochemistry minors to the fundamental techniques used in modern biochemistry. Experiments use the essential techniques employed in the study of proteins, enzymes and nucleic acids with emphasis on the use of modern instrumentation and the manipulation and analysis of experimental data. Prerequisites: CHEM 3375 or CHEM 4375 either with a grade of "C" or better.
2 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CHEM 3330. Physical Chemistry I.
The course covers principles of thermodynamics and thermochemistry, phase equilibria, electrochemistry and elementary kinetics including rate laws and mechanisms. Prerequisites: CHEM 1142 with a grade of "D" or better and CHEM 1342 and MATH 2472 both with grades of "C" or better.
3 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 3340. Physical Chemistry II.
The course covers kinetics, quantum mechanics, spectroscopy, and other selected topics. Prerequisites: CHEM 3330 and MATH 2472 and PHYS 2425 all with grades of "C" or better.
3 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 3341. Descriptive Inorganic Chemistry.
An analysis of atomic, molecular, and solid state bonding and structure with an emphasis on coordination compounds and bioinorganic chemisry. Representative compounds and reactions of the elements will be surveyed. Prerequisite: CHEM 2342 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 3375. Principles of Biochemistry.
Course provides biochemistry majors and minors with a rigorous introduction to biochemistry. Topics include the chemical function and structure of proteins, nucleic acids, lipids and carbohydrates; enzyme mechanisms, kinetics and regulation. Prerequisites: CHEM 2342 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 3380. Analytical Biochemistry.
This course is designed to acquaint the student with the chemical and physical principles of modern biochemical methods. Emphasis is placed upon the application of the methods to current problems in biochemistry and molecular biology and the interpretation of data. Prerequisite: CHEM 3375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 3381. Biochemistry Techniques.
Course introduces biochemistry majors to techniques in analytical and physical biochemistry. Experiments reinforce fundamental concepts and utilize modern instrumentation. Experimental design, interpretation of results, and data reporting will be emphasized. (WI) Prerequisites: CHEM 3375 with a grade of "C" or better. Corequisite: CHEM 3380 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CHEM 3390. Physical Chemistry for Biochemists.
A study of the theories and laws of physical chemistry as it relates to biochemistry. The topics covered include ideal and real gases, classical thermodynamics, reaction kinetics, phase equilibria, electrochemistry, quantum mechanics, spectroscopy and statistical mechanics. Prerequisite: MATH 2472 with a grade of "C" or better. Corequisite: PHYS 1430 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 3410. Quantitative Analysis.
Course covers the general theory and practice of typical methods of gravimetric and volumetric analysis, satisfies the quantitative analysis requirements for chemistry majors, minors, pre-medical and pharmacy students. Prerequisites: CHEM 1342 with a grade of "C" or better and CHEM 1142 with a grade of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 4231. Advanced Laboratory I.
An advanced integrated lab illustrating a variety of chemical techniques for the preparation, characterization and analysis of organic and inorganic materials. (WI) Prerequisites: CHEM 3245 and CHEM 3340 and CHEM 3410 all with grades of "D" or better. Corequisites: CHEM 4331 with a grade of "D" or better.
2 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 4241. Advanced Laboratory II.
An advanced integrated lab illustrating a variety of chemical techniques for the preparation, characterization and analysis of inorganic and organic materials. (WI) Prerequisites: CHEM 4231 and CHEM 4331 both with grades of "D" or better. Corequisite: CHEM 4341 with a grade of "D" or better.
2 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 4295. Laboratory Development and Practice.
This course develops the laboratory instructional abilities of students seeking either 8-12 Chemistry or 8-12 Physical Science Teaching Certification. Topics include both traditional laboratory techniques and guided inquiry techniques, safety, laboratory management, pedagogical theory and practical knowledge of laboratory experiments. Prerequisite: Minimum 2.5 Overall GPA.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 4299. Undergraduate Research.
This course is available to undergraduate chemistry or biochemistry majors only. It may be repeated for credit but a maximum of four semester hours from this course are applicable toward advanced chemistry electives. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

CHEM 4310. Medicinal Chemistry.
This course surveys modern approaches to drug discovery and mechanisms of drug action with the focus on molecular structures of drugs. Examples of drug discovery for the chemotherapy of cancer, microbial and cardiovascular diseases will be examined. Prerequisites: [CHEM 2342 and CHEM 2350] or CHEM 3375 or CHEM 4375 any with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4312. Organometallic Chemistry.
This course will survey the structure, bonding, and reactivity of organometallic complexes. Homogeneous catalysis of the transition metals as well as the main group elements along with specialized "seminal research papers" in the field of organometallic chemistry will also be presented. Prerequisites: CHEM 2342 and CHEM 3341 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4331. Instrumental Analysis.
The theory and methodology associated with the quantitative analysis of materials, i.e., electronics, spectroscopy, electrochemistry and chromatography are presented. Prerequisite: CHEM 3340 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4333. Spectroscopy.
The study of various spectrometric techniques in qualitative and structural analysis of chemical substances. Prerequisite: CHEM 2342 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4341. Advanced Inorganic Chemistry.
This course will use group theory analysis to predict vibrational spectra and bonding in molecules, including metal complexes. Numerous approaches (aciid/base, redox, etc.) will be employed to rationalize the products of inorganic and organometallic reactions. The materials properties of solids and nanomaterials will also be discussed. Prerequisites: CHEM 3340 and CHEM 3341 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4350. Modern Molecular Modeling.
A study of the application of computational techniques to molecular modeling. Topics covered include quantum mechanical modeling, forcefield based molecular modeling, molecular energy minimization, molecular dynamics, vibrational spectra, solution of crystalline structures, diffraction patterns, molecular blends, phase equilibria, crystal morphology, physical property prediction and mesoscale modeling. Prerequisite: CHEM 3340 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4351. Introduction to Polymers.
This course is designed to develop the student's general understanding of polymer history and importance as well as terminology, structure, and synthesis. The overall scope of the course will be to develop the student's general knowledge of polymer synthesis and structure. Prerequisite: CHEM 2342 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4360. Molecular Biology.
This course provides Biochemistry majors and minors with advanced knowledge of the field of molecular biochemistry. Topics include gene expression (transcription and translation of genes in bacteria and higher organisms), post-translational modification of proteins, chromosomal DNA replication, cell cycle checkpoint controls, DNA damage and repair, as well as theories of cancer and aging. Prerequisite: CHEM 3375 or CHEM 4375 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4371. Directed Study.
Independent study on a particular subject area in chemistry or biochemistry. The specific study area, resource material, goals, and achievements will be approved by the instructor. Prerequisites: CHEM 2342 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CHEM 4375. Biochemistry.
Course provides Chemistry majors and minors with an overview of biochemistry topics. Topics include a description of the structure and function of proteins, enzymes, nucleic acids, lipids and carbohydrates. Students may not receive credit for both CHEM 3375 and CHEM 4375. Prerequisites: CHEM 2342 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4382. Advanced Biochemistry Research Laboratory II.
This course is the second of two laboratory courses providing instruction in the modern techniques of biochemistry. Students will perform independent research projects involving isolation, manipulation and characterization of biomolecules. Results of these experiments and the scientific literature investigations will be used to prepare formal written reports and oral presentations. Prerequisite: CHEM 4481 with a grade of "C" or better. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CHEM 4385. Metabolism.
A study of the biodegradation and biosynthesis of carbohydrates, lipids, amino acids, proteins, and nucleic acids. Prerequisite: CHEM 3375 or CHEM 4375 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 4390. Supramolecular Chemistry.
This course is designed to be a survey of the nature of non-covalent interactions between host and guest species. Emphasis will be focused on the rational design of hosts, themodynamic and kinetic parameters involved in binding and the applications of various binding/recognition phenomena. Prerequisite: CHEM 2342 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CHEM 4481. Advanced Biochemistry Lab I.
The first of two laboratory courses providing instruction in the modern techniques of biochemistry. Experiments are performed on the isolation, manipulation and characterization of DNA, RNA and proteins. Students will prepare formal written reports and oral presentations. (WI) Prerequisites: CHEM 3381 with a grade of "C" or better and CHEM 3380 with a grade of "D" or better.
4 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
Course Fee: $6; Fee - Lab CHEM

CHEM 5110. Seminar in Chemistry.
A course designed to acquaint the graduate student with current research areas in chemistry. May be repeated twice for total of 3 semester hour credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5195. Professional Development of Graduate Assistants.
This course is designed to develop and enhance graduate assistants' laboratory instruction abilities. Topics covered in the course include effective lecture techniques, laboratory safety, theory and practical knowledge on laboratory experiments and laboratory section management. This course does not earn graduate credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CHEM 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5285. Laboratory Development Practice.
This course develops the laboratory instructional abilities of post-baccalaureate students seeking either 8-12 Chemistry or 8-12 Physical Science Teaching Certification. Topics include both traditional laboratory techniques and guided inquiry techniques, safety, laboratory management, pedagogical theory and practical knowledge of laboratory experiments.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CHEM 5295. Professional Development of Graduate Assistants.
This course is designed to develop and enhance graduate assistants' laboratory instruction abilities. Topics covered in the course include effective lecture techniques, laboratory safety, theory and practical knowledge on laboratory experiments and laboratory section management. This course does not earn graduate credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CHEM 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5310. Medicinal Chemistry.
This course surveys modern approaches to drug discovery and mechanisms of drug action with the focus on molecular structures of drugs. Examples of drug discovery for the chemotherapy of cancer, microbial and cardiovascular diseases will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5312. Organometallic Chemistry.
This course will survey the structure, bonding, and reactivity of organometallic complexes. Homogeneous catalysis of the transition metals as well as the main group elements along with specialized "seminal research papers" in the field of organometallic chemistry will also be presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5313. Principles and Applications of Mass Spectrometry.
This course is designed for graduate chemistry and biochemistry majors. Sections of the course are devoted to the theory and practice of mass spectrometry. Application to chemistry, biochemistry, biology and materials science will be explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5320. Modern Molecular Modeling.
The application of computational techniques to molecular modeling. Topics covered include quantum mechanical modeling, force field based molecular modeling, energy minimization, molecular dynamics, vibrational spectra, solution of crystalline structures, diffraction patterns, molecular blends, phase equilibria, crystal morphology, physical property prediction, and mesoscale modeling. Prerequisites: CHEM 3340 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5321. Advanced Organic Chemistry.
Study of the relation of the following topics to structure and reactions of organic compounds: bonding, stereochemistry, acid-base concepts, physical organic chemistry, reactive species, and mechanisms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5330. Physical Chemistry.
Fundamentals of physical chemistry are surveyed, emphasizing application in the other chemical sub-disciplines. Topics include classical thermodynamics, kinetics, atomic structure, and molecular spectroscopy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5333. Spectroscopy.
Study of various spectrometric techniques in qualitative and structural analysis of chemical substances. Students who have completed CHEM 4333 or its equivalent may not take this course for master's credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5341. Inorganic Chemistry.
This course will review essential concepts in inorganic chemistry including atomic structure, bonding theory, acid-base chemistry, solid state structures, and coordination chemistry. Analytical techniques for characterizing inorganic structures will be discussed along with current topics in the field. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Standard Letter

CHEM 5351. Introduction to Polymers and Polymer Synthesis.
This course is designed to develop the student's general understanding of polymer history and importance as well as terminology, structure, and synthesis. The overall scope of the course will be to develop the student's general knowledge of polymer synthesis and structure. Students who have completed CHEM 4351 or its equivalent may not take this course for master's credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5353. Polymer Processing and Characterization.
This course is designed to explore the areas of polymer processing and characterization. Students will be introduced to extrusion, injection molding, film formation, thermoforming, thermal-mechanical measurements, classical mechanical testing, thermal-optical measurements, and methods for determination of polymer molecular weight. Prerequisites: CHEM 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5355. Physical Chemistry of Polymers.
A study of the physical chemistry of polymers. Subjects covered include thermodynamics, kinetic polymerization, phase relationships, molecular geometry, spectroscopy of polymers, polymer physics and mechanical behavior, polymer blends, rheology, and polymer composites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5365. Separation Methods in Chemical Analysis.
The principles of gas chromatography, capillary electrophoresis, and mass spectrometry are discussed with a balance among theory, practice, and application.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5370. Problems in Chemistry.
Open to graduate students on an individual basis by arrangement with the faculty member concerned. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5375. Biochemistry.
A course devoted to a study of the chemistry of carbohydrates, lipids, proteins, enzymes, and nucleic acids. A study of enzyme kinetics and thermodynamics of coupled reactions is included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5381. Physical Biochemistry.
An introduction to the physical techniques of biochemistry with emphasis on the interpretation of experimental data obtained from electrophoresis, chromatography, immunological methods, ultracentrifugation, spectroscopy and emerging techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5382. Enzymology.
A study of the chemical and physical properties of enzymes. Topics will include structure-function relationships, elucidation of chemical and kinetic mechanisms, and the role of enzymes in metabolism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5383. Molecular Biology & Molecular Genetics.
This course addresses the basic genetic mechanisms of bacteria and eukaryotes and introduces some examples of the biochemical and genetic techniques employed to study cells, tissues, and organisms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5384. Current Topics in Biochemistry and Molecular Biology.
Course provides students with advanced knowledge in the areas of biochemistry and molecular biology. Topics include signal transduction and the molecular biology of cancer, as well as emerging topics in Genomics, Proteomics, and other new developments in biochemistry. May be repeated once for credit. Prerequisites: CHEM 5381 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CHEM 5385. Metabolism.
A study of biodegradation and biosynthesis of carbohydrates, lipids, amino acids, proteins, and nucleic acids. Students who have completed CHEM 4385 or its equivalent may not take this course for master's credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5386. Proteins.
This course will cover advanced biochemistry topics related to proteins. Topics will include protein structure, structure-function relationships, and current methodologies for examining proteins in addition to current findings in primary literature. Prerequisite: CHEM 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5387. Nucleic Acids Chemistry.
This course will cover advanced biochemistry topics related to nucleic acids. Topics will include nucleic acid structures and properties, catalytic nucleic acids, protein-nucleic acid interactions, higher order complexes of protein-nucleic acids, and current methodologies for examining nucleic acids in addition to current findings in primary literature. Prerequisite: CHEM 5383 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5390. Supramolecular Chemistry.
This course is designed to be a survey of the nature of non-covalent interactions between host and gust species. Emphasis will be focused on the rational design of hosts, thermodynamic and kinetic parameters involved in binding and the applications of various binding/recognition phenomena.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5395. Fundamentals of Research.
Course is designed to acquaint the beginning graduate student with materials and methods of chemical research.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CHEM 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in CHEM 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CHEM 7330. Environmental Chemistry.
An introduction to environmental chemistry, with an emphasis on aquatic resources. Basic principles of geochemistry and atmospheric chemistry, as they relate to pollutant impacts on aquatic ecosystems, also will be examined. Prerequisites: CHEM 2142 and CHEM 2342 and CHEM 3410 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Chinese (CHI)

CHI 1410. Beginning Chinese I.
Introduction to listening, speaking, reading, and writing skills within a Chinese cultural framework. Students who take CHI 1410 toward degree requirements must also complete CHI 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: CHIN 1411

CHI 1420. Beginning Chinese II.
Continued practice in listening, speaking, reading, and writing skills within a Chinese cultural framework. Students who take CHI 1410 toward degree requirements must also complete CHI 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: CHIN 1412

CHI 2310. Intermediate Chinese I.
Continued development and review of all language skills within a Chinese cultural framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHIN 2311

CHI 2320. Intermediate Chinese II.
More advanced practice in all language skills with greater emphasis on reading within a Chinese cultural framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CHIN 2312

CHI 3301. Conversational Chinese.
This course is designed to improve oral communication skills in Chinese using current video and text media. The course will include the development of vocabulary and grammar necessary for communication and will focus on selected cultural themes. Students' group video projects will be posted on a course blog.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CHI 4390. Studies in Chinese Language and Culture.
Students will conduct an independent study project in Chinese language or culture. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Civil Engineering (CE)

CE 1210. Introduction to Smart Infrastructure.
This course is an overarching study of municipal and private infrastructure and the use of modern technology and techniques to monitor and manage these assets. Topics and case studies examine transportation, water resources, utilities, and other construction projects. General topics related to the civil engineering profession are also covered.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 2340. Infrastructure Materials.
This course examines the composition, production, engineering properties, and in-place behavior of materials used to construct and repair infrastructure assets. Sensing devices used to monitor a material are discussed. Students will learn to follow standard test methods, perform data acquisition, conduct data analysis, and visualize test data. Prerequisite: CHEM 1335 and ENGR 3311 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 2350. Structural Analysis.
This course is an introduction to the loading, response, analysis, and monitoring of infrastructure assets. Determinate and indeterminate structures are studied. Analysis by classic and modern computational methods are covered. The analysis of data obtained from sensing devices in, on, or remote to an infrastructure asset is discussed. Prerequisite: ENGR 3311 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 3310. Applications in Smart Infrastructure.
This course presents students with realistic civil engineering scenarios involving various infrastructure assets. Students work in teams using commercially available monitoring devices and programmable single-board microcontrollers to gather, transmit, and analyze measured data with the objective of developing a solution for each individual project. Prerequisite: CE 1210 and CS 1342 and ENGR 3373 all with grades of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 3320. Environmental Engineering.
This course is an introduction to environmental engineering. Topics include treatment of water, wastewater, air pollution, solid waste pollution, and hazardous materials. Standard test procedures for evaluating physical, chemical, and biological treatment processes are introduced. The use of technology to manage treatment processes and facilities will be introduced. Prerequisite: CHEM 1335 and [(BIO 1130 and BIO 1330) or (BIO 1131 and BIO 1331) or GEOL 1410] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 3330. Soil Mechanics.
This course examines the engineering characteristics of soil. Topics include identification, compaction, shear strength, consolidation, vertical stress, and deformation. Standard laboratory test methods are followed. Advanced data analysis, interpretation, and visualization techniques are presented. Prerequisite: ENGR 3311 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 3331. Infrastructure Foundations.
This course investigates foundation systems which support infrastructure assets. Shallow and deep foundations, piles, footings, mats, and retaining walls may be covered. Foundations are evaluated for consolidation, rate of settlement, stress distribution, elastic settlement, and bearing capacity. Life-cycle management of foundations will be examined. Prerequisite: CE 3330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 3350. Design of Reinforced Concrete Infrastructure.
This course covers the analysis and design of reinforced concrete infrastructure assets. Topics include columns, beams, one-way slabs, and footings. Students will learn how to read, interpret, and use specifications and design codes. The use of technology to monitor the behavior of a reinforced concrete infrastructure asset will be introduced. Prerequisite: CE 2340 and CE 2350 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 3360. Transportation Planning and Infrastructure.
This course is an introduction to the planning and design of transportation infrastructure assets. Social, economic, safety, and engineering issues impacting transportation are examined. Interactions between users, vehicles, and the infrastructure will be addressed. The expanding use of technology to enhance transportation systems will be examined. Prerequisite: IE 3320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4310. Infrastructure Sensor Technologies.
This course is an advanced study of the sensor technologies available to monitor the performance and behavior of infrastructure assets. Prerequisite: CE 3310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4311. Communication Systems for Smart Infrastructure.
This course examines the issues and processes involved in the transmission of data between sensor devices and data storage centers. Topics include data communication principles, transmission signals, wireless and wired communication systems, security, and examples of best practices. Prerequisite: ENGR 3373 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4320. Biological Wastewater Management.
This course examines biological treatment processes for domestic and industrial wastewater. The use of sensor technologies to monitor the effectiveness of a treatment option is also addressed. Prerequisite: CE 3320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4321. Hazardous Waste Management.
This course is a study of best management practices relative to hazardous waste. Topics include contamination processes, site investigations, detection, analysis methods, evaluation methods, and risk management, and treatment protocols. The use of technology to manage the life-cycle performance of contaminated hazardous wastes sites will be studied. Prerequisite: CE 3320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4322. Air Pollution Management.
This course is an introductory study of air pollution. Topics include sources, quality, meteorological influences, atmospheric dispersion modeling, and control methods. The use of sensor technologies to monitor the effectiveness of an air pollution control option is also addressed. Prerequisite: CE 3320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4330. Design of Retaining Structures.
This course examines the design of geotechnical structures, such as a retaining wall, that retain soil or another material. The use of technology to manage the life-cycle performance of retaining structures will be studied. Prerequisite: CE 3331 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4350. Design of Prestressed Concrete Infrastructure.
This course covers the analysis and design of prestressed concrete infrastructure assets. Topics include columns, beams, slabs, pipes, and piles. Students will learn how to read, interpret, and use specifications and design codes. The use of technology to monitor the behavior of a prestressed concrete infrastructure asset will be introduced. Prerequisite: CE 3350 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4351. Design of Steel Infrastructure.
This course covers the analysis and design of steel infrastructure assets. Topics include connections, columns, beams, and beam-columns. Students will learn how to read, interpret, and use specifications and design codes. The use of technology to analyze the behavior of steel infrastructure assets will be introduced. Prerequisite: CE 2350 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4360. Intelligent Transportation Systems.
This course is a study of the components, technologies, and infrastructure assets that comprise intelligent transportation systems (ITS). Smart technologies, data acquisition, and communication sub-systems will be examined within the context of personal, commercial, and public transportation. Coverage will include mobility, public safety, socio-economic and environmental factors impacting transportation systems. Prerequisite: CE 3310 and CE 3360 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4361. Highway Engineering.
This course covers alignment, interchange, construction, and maintenance issues related to highways. Topics include cross-sections, horizontal and vertical alignment, sight distance, pavement design, drainage analysis, traffic engineering, highway capacity, and construction materials. The analysis of data obtained from sensing devices during construction or use of a highway is also discussed. Prerequisite: CE 3360 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4370. Hydraulics.
This course is an examination of the properties, distribution, and circulation of water. Topics include pipe flow, pipe networks, pumps, and open channel flow. The use of sensors to monitor fluid flow, pressure, and leaks will be addressed. Advanced data analysis and visualization techniques will be presented. Prerequisite: ENGR 3380 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4371. Hydrology.
This course is an examination of surface and groundwater hydrology. Topics include the hydrologic cycle, groundwater flow, wells, storm water management practices, open channel flow, stream flow measurements, hydrologic routing, modeling, probability, and applications. The use of sensors to monitor hydrologic activity is also addressed. Prerequisite: CE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4372. Water and Wastewater Treatment.
This course is a study of the physical, chemical, and biological processes used to clean water and wastewater. The use of sensors to monitor treatment processes is also addressed. Prerequisite: CE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CE 4390. Civil Engineering Design I.
This is the first in a two-course sequence meant to prepare students for engineering practice with a culminating major design experience. This course covers the planning, scheduling, budgeting, and management aspects of a technology-enhanced infrastructure design project. Prerequisite: CE 3310 and CE 3330 and CE 3350 and CE 3360 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CE 4391. Civil Engineering Design II.
This is the second in a two-course sequence meant to prepare students for engineering practice with a culminating major design experience. This course focuses on the completion of all phases of the design project. Prerequisite: CE 3320 and CE 4390 both with grades of "C" or better. Corequisite: CE 3331 and CE 4370 and GEO 4356 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CE 4392. Sustainable Infrastructure.
This course examines the sustainability characteristics of various infrastructure assets. The assets and characteristics examined will be established by the course instructor. Examples include pervious pavements, sustainable construction materials, and sustainability in the design process. The use of technology to manage the life-cycle performance of an asset will be studied. Prerequisite: CE 3331, CE 3350, CE 3360, and CE 3380 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5320. Water Quality Management.
This course is an advanced study of the processes used to monitor, measure, and manage water quality for municipal, commercial, or industrial use. The use of technology to enhance water quality management processes is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5321. Transport and Fate of Contaminants.
This course is a study of the transport and fate of contaminants in surface water, sub-surface water, and the atmosphere. Use of technology to monitor the transport and fate of contaminants is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5340. Advanced Infrastructure Materials.
This course is an advanced study of materials used in the construction of infrastructure assets. Topics include high-performance materials, nano-materials, and advanced material testing techniques. Use of technology to monitor in-situ performance of a material is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5350. Highway Bridge Design.
This course covers the design of highway bridge structures, including both the super- and sub-structure. Design is in accordance with current Federal Highway Administration (FHWA) specifications. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5360. Pavement Design.
This course covers the design of concrete, asphalt, and pervious pavements. Included are highway pavements, urban streets, airport pavements, industrial pavements, and roller compacted concrete. Design is in accordance with current FHWA specifications. Common construction methods are also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5370. Urban Stormwater Management.
This course examines the planning, design, operation, and maintenance of urban stormwater management systems. Political, social, economic, and environmental influences on such systems are examined. The impact of extreme events on stormwater systems and the urban landscape are also considered. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5372. Open Channel Flow.
This course is an advanced study of uniform, gradually varying, and rapid varying water flow in both natural and engineered open channels. The use of technology to monitor and maintain open channel structures is also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5390. Infrastructure Systems Analysis.
This course is an advanced study of the planning, operation, and maintenance of municipal and commercial infrastructure assets. Political, social, economic, environmental, and engineering influences on infrastructure systems are addressed. Use of technology to enhance the safety and economic value of the infrastructure is also investigated. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CE 5391. Advanced Mechanics of Materials.
This course is an advanced study of stress, strain, and deformation in elastic bodies. Topics covered include torsion, unsymmetrical bending, nonlinear beams, stress concentrations, beams on elastic foundations, Mohr's circle, and an introduction to the theory of elasticity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Clinical Laboratory Science (CLS)

CLS 3305. Introduction to Clinical Laboratory Techniques.
Clinical Laboratory Science students will be introduced to techniques, procedures, and instrumentation commonly used in clinical laboratories. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

CLS 3323. Clinical Microscopy and Analysis of Body Fluids.
Study of body fluids present in the various anatomical compartments of the body as they differ in health and disease. Physical and chemical tests, and microscopic examination of select body fluids are performed.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 3326. Medical Parasitology.
This course includes lecture and laboratory instruction in medically important parasites producing disease in humans with emphasis on epidemiology, life cycles, identifying characteristics, and pathology of these parasites.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CLS 3410. Clinical Chemistry I.
Designed to acquaint the clinical laboratory science student with some of the concepts, techniques, procedures, and instrumentation used in clinical chemistry.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 3412. Hematology/Coagulation I.
Qualitative and quantitative evaluation of formed elements of the blood and studies in coagulation abnormalities.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 3424. Clinical Immunology.
Principles of immune response and underlying immunologic procedures of diagnostic value are discussed. Lectures and laboratory emphasize detection, identification, nature of antigens and antibodies, and the antigen-antibody reactions encountered.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 4225. Laboratory Management and Supervision.
Lectures and discussions of general principles of management and supervision of the clinical laboratory and its personnel. (WI).
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CLS 4318. Hematology II.
In-depth study of theoretical and practical aspects of clinical hematology and hemostasis with emphasis on principles, methodology, problems encountered, and clinical applications.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 4321. Directed Study in Clinical Laboratory Science.
An indepth study of a narrow range of topics or a related problem in the clinical laboratory sciences. Topics to be announced; may be repeated for credit when topics vary.
3 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Credit/No Credit

CLS 4333. Bridge to Clinical Practice.
Study of professional and technical requirements for clinical laboratory science students and their role as part of the healthcare team. Students will demonstrate entry-level technical competency. The student's knowledge of all course material presented from the beginning of the CLS program through the spring semester will be evaluated. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

CLS 4340. Clinical Microbiology II.
Study of medically important fungi, viruses, chlamydiae, rickettsiae, and advanced topics in clinical microbiology. Automated identification of microorganisms, database management, and epidemiologic techniques will be discussed.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 4341. Molecular Diagnostics.
This course consists of an introduction to the principles, methodologies and applications of molecular diagnostic procedures used in clinical laboratories. Emphasis is placed on the procedures used in the identification of infectious agents that cause human disease, in the diagnosis of inherited diseases, and the diagnosis of cancer.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 4361. Research Methods in Clinical Laboratory Science.
Directed independent research covering the principles of research and development of clinical laboratory methodology. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

CLS 4364. CLS Clinical Practice II.
This course offers a continuation of CLS Clinical Practice I which includes structured clinical experience assigned on an individual basis for observation, study, and practical application of techniques and methodology in the clinical laboratory.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CLS 4370. Clinical Chemistry II.
A study of the theoretical and practical aspects of clinical chemistry. Manual and automated laboratory procedures for quantitative analysis of various body fluids.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 4440. Clinical Microbiology I.
Study of pathogenic and nonpathogenic bacteria, fungi, and viruses with special emphasis on methods of isolation from body fluids, cultural and differential biochemical characteristics of body pathogens.
4 Credit Hours. 3 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 4460. Immunohematology.
Study of theoretical and practical consideration of major blood groups with emphasis on grouping and typing, antibody detection and identification, compatibility testing and component therapy in blood transfusion service.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CLS 4463. CLS Clinical Practice I.
Structured clinical experience assigned on an individual basis for observation, study, and practical application of techniques and methodology in the clinical laboratory.
4 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Standard Letter

Communication Design (ARTC)

ARTC 1301. Introduction to Communication Design.
Introduces the field of Communication Design including terminology, creative visual thinking/problem solving, layout design, tools, and materials. Corequisite: ARTC 1302. Prerequisite: ARTF 1301 and ARTF 1302, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 1302. Imaging I.
An introduction to digital imaging emphasizing visual strategies, techniques, and concepts. Corequisite: ARTC 1301. Prerequisites: ARTF 1301 and ARTF 1302, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 2000. Admission Portfolio Review.
During this course, students will prepare and present an entry-level design portfolio. Communication Design majors must pass Admission Portfolio Review to gain entrance into the program. Course is repeatable one time. Prerequisites: ARTF 1301 and ARTF 1302, all with a grade of "C" or better. Co-requisites: ARTC 1301 and ARTC 1302, all with a grade of "D" or better.
0 Credit Hours. 0 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ARTC 2303. Typography I.
This course introduces the evolution and development of alphabets, letter forms, and typography in relationship to visual expression and communication. Prerequisites: Admission into the Communication Design Program; ARTC 1301 and ARTC 1302, all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 2304. Conceptual Strategies.
Focuses on concept development and ideation strategies through the production of various design forms. Prerequisites: Admission into the Communication Design Program; ARTC 1301 and ARTC 1302, all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 2305. Visualization and Presentation Techniques.
Introduces rendering techniques, three-dimensional graphics, and digital imaging for visual presentations. Prerequisites: ARTF 1302 and ID 1310 and ID 1320 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3301. Art Direction I.
Students will develop advertising concepts that relate to the creative strategies, marketing platforms, and psychology specific to client-based communication, and the type of media used. Prerequisites: ARTC 3307 and ARTC 3320 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3303. Trademark Design.
Focuses on the design process and concept development of trademark design (i.e., logo design, corporate identity, iconographic systems). The class emphasizes incorporating historic and contemporary methodologies and practices of trademark design within the context of the communication design discipline. Prerequisites: ARTC 3307 and ARTC 3320 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3304. Branding Systems.
Focuses on the creation and application of integrated brand communication systems. Students will develop comprehensive brand identities, typographic elements and layout designs for print and digital media. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3307. Interactive Media I.
This course introduces web site design, construction, basic user interface design, and explores the elements of HTML and CSS. Prerequisites: ARTC 2303 and ARTC 2304 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3310. Illustration.
Introduces media and illustration methods for basic image development. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3313. Imaging II.
This course uses advanced digital and traditional imaging as it applies to visual and verbal problem solving. The class emphasizes incorporating drawing, photography and appropriated images in order to reinforce and extend the possibilities of sourcing and manipulation of images digitally. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3316. Communication Design History Seminar.
This course traces communication design history, through examples of social, political, cultural, technological and economic perspectives, from the end of the 19th century to the present. Students examine how past and current design practices, theory and aesthetics inform and shape the discipline of communication design and contemporary society. Prerequisites: ARTC 3307 and ARTC 3320.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 3320. Typography II.
Introduces advanced issues in page structure and composition, content organization and management, typographic hierarchies, typeface selection, and typesetting. Prerequisites: ARTC 2303 and ARTC 2304 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4000. Senior Exit Review.
A course in which all graduating seniors must participate during their last academic year. Work will be examined and evaluated while displayed in the Exit Review. Prerequisites: ARTC 4308 with a grade of "D" or better and instructor approval. Corequisite: ARTC 4315 with a grade of "D" or better.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ARTC 4200. Senior Show & Review.
Students will be given the guidance and the studio time needed to polish their portfolios and to organize and produce the Communication Design Exit Review. Lectures will focus on best practices for professionals in communication design. Final portfolios will be evaluated while exhibited in the Exit Review. Prerequisite: ARTC 4308 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

ARTC 4302. Art Direction II.
Students develop strategic messages across print, digital, and social media and evaluate how conceptual direction and message must shift to accommodate various media. Students strengthen their verbal and visual conceptual skills and elevate their research abilities to create dynamic advertising campaigns, and unify brand position with communication. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4303. Art Direction III.
This course allows students to create art direction projects based on individual professional goals. Faculty will assess each portfolio at the beginning of the course. Students will then address their portfolio content and work to create a body of art direction pieces. Prerequisite: ARTC 4302 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4305. Typography III.
Continues the study of letter form, typography, image and concept relationships for effective communication. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4306. Environmental Graphic Design.
Introduces a multidiscipline-based design practice centered around exterior and interior built environments. Students examine the visual, theoretical and applied aspects of defining a place through wayfinding, identity and information design. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4308. Interactive Media II.
This course explores advanced Web Site design, construction and User Interface design, advanced Web authoring for multiple platforms, and advanced Web typography. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4309. Interactive Media III.
Mobile application design. Exploration of User Interface design and Experience design for mobile devices. Students will learn to prototype applications that connect the physical and digital worlds. Prerequisite: ARTC 4308 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4310. Communication Design Practicum.
Students are placed in regional graphic design firms and advertising agencies to gain professional design/art experience. May be repeated with different emphasis for additional credit. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better and instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTC 4311. Digital Illustration.
An illustration course using digital media to execute illustrations in a wide range of genres. Emphasis will be placed on developing unique approaches to manipulate traditional illustration techniques through digital means, as well as the creation of original digital illustration solutions. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4312. Editorial Illustration.
The study of traditional and digital illustration techniques for editorial publication assignments. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4313. Communication Design Special Problems.
An independent study requiring complex problem solving in Communication Design. Goals and objectives will be outlined in a written format. May be repeated with different emphasis for additional credit. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTC 4314A. Animation.
The study and practice of various animation techniques. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314B. Legal Issues in Communication Design.
This course introduces students to the business and legal issues relating to communication design. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314D. Digital Video.
This course introduces issues in digital video production and editing. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314E. Motion Graphics.
This course introduces issues and applications in the production of motion graphics and special effects for digital video. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314F. Character Development for Illustration.
This course emphasizes basic skills of character/plot development and storytelling, action and background drawing and development of characters in unique styles. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314G. Illustration Techniques and Materials.
A beginning illustration course focusing on learning to render with specific illustration techniques, including traditional black and white line and tone styles, watercolor and acrylic painting techniques and other materials such as collage, scratchboard and monoprint styles. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314H. Poster Design.
Exploration and experimental usage of the written word integrated with visual imagery by using digital and traditional photographic, illustration, and other graphic elements utilized in poster design. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314I. Learning from the Land of Design.
The intent of this course is to broaden the students' understanding of the rich culture of Italian design from the Renaissance to modern Italy. Additionally, the student will learn how intense observation of design principles through sketching, photography and keeping a journal, becomes a method for design inspiration and problem solving. Prerequisites: ARTC 2303 and ARTC 2304 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314J. Package Design.
Students will explore designed packaged consumer goods while meeting industry and governmental requirements, principles, and guidelines, and sustainability in the context of the global marketplace. Prerequisites: ARTC 3301 and ARTC 3303 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314K. Introduction to Hand Painted Signs and Lettering.
This course explores the historic underpinnings, proven techniques, materials and iterative processes associated with hand painted signs and lettering.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314L. Guerilla Art Direction.
This course examines guerilla advertising art direction strategies. Students will develop non-traditional advertising concepts that promote social causes, consumer products, and public events. Guerilla creative strategy concepts will integrate various types of media including social and mobile interactions with the targeted audiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314M. Design Portfolio Preparation.
Design Portfolio provides students with a published ePortfolio that demonstrates unique problem-solving skills by design thinking methods, well-defined messaging, systems thinking, expansion of sophomore and junior projects, creation of one new project system, clearly stated project briefs and narratives, and exceptional final portfolio execution. Prerequisite: ARTC 3301 and ARTC 3303 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314N. Design For Experiences.
This course addresses the creation of user experiences informed by research, customer empathy, experience mapping, and design thinking. Projects involve creating research and problem framing documents, user flow and system diagrams, pattern libraries, and experience prototypes. Students also study design and innovation roles at enterprise scale companies and independent consultancies. Prerequisite: ARTC 3301 and ARTC 3303 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314O. Entrepreneurial Design.
Students will focus on the interconnection between entrepreneurial thinking and innovation. They will develop innovation-driven venture skills and will gain open and critical thinking skills with a focus on community, understanding of calculated risk and the initiative to follow-through. Prerequisite: ARTC 1301 and ARTC 1302 and ARTC 2000 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4314P. Design Research.
Design Research provides students with an applied foundation in the role of research and analysis in the communication design discipline. Prerequisite: ARTC 2000 and ARTC 2303 and ARTC 2304 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 4315. Senior Portfolio Presentation and Self-Promotion.
This capstone course focuses on preparations for entry into professional practice via production of a final portfolio presentation; creation of a resume, business card, and self-promotions; and preparation for the interview process. Prerequisite: ARTC 4308 with a grade of "D" or better. Corequisite: ARTC 4000 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 4316. Book Design.
This course will cover concept and content development, design, and execution of single edition and limited edition books through lectures, demonstrations, and studio work. Emphasis placed on creativity, problem solving, organizational ability, technical precision, and independent work ethic. Prerequisites: ARTC 3301 and ARTC 3303 and ARTC 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ARTC 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ARTC 5300. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. It will provide in-service training and evaluations of instructional philosophies, techniques and responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ARTC 5301. Communication Design Foundations.
This course may be taken only to fulfill communication design background. Students will acquire knowledge and graphic design skills necessary for advanced studies. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ARTC 5310. Art Direction.
Advanced in-depth instruction involving conceptual principles, design, copy strategies, and branding methods in print, broadcast, and e-commerce advertising art direction and design. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5313. Communication Design Advanced Problems.
An independent study in communication design, which requires students to pursue complex design problems. Goals and objectives will be outlined in a written format. May be repeated with different emphasis for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ARTC 5320. Web Design.
Students will research, create, and produce advanced online products for Internet. Emphasis is placed on information architecture, interface design, and navigation constructs in order to produce unique online communications. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5321. Digital Imaging.
Exploration and experimental usage of digital black and white and color imagery utilizing non-traditional approaches to image making. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5322. Word and Image.
Exploration and experimental usage of the written word integrated with visual forms by using digital and traditional photographic, illustrated, and graphic media. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5330. Typography.
This course examines the traditional and experimental advanced usage of type and its relationship to the symbolic or communicative message. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5331. Corporate Identity Systems.
Students explore complex corporate and institutional identity systems. Concept, design, program continuity, and branding in the marketplace will be emphasized. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5332. Corporate Marketing Materials.
This course will explore advanced development of typographic elements, layout grid constructs, photo-imagery, and illustration for publication of corporate marketing materials. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5333. The Experimental Book.
Students explore the experimental printed book including concept, design, and unique production such as unique binding methods. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5340. Contemporary Issues and Criticism.
This course examines emerging issues in graphic design and design criticism, primarily from the turn of the 21st century to the present. Students will learn to analyze and critique graphic design, and will produce a work of critical writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5341. Modernism and Design.
This course explores the modernist movement in design, as it emerged in Europe and America in the early twentieth century. Topics include: visual cultural theory, the origins of modernism, Dada, Constructivism, DeStijl, the Bauhaus, and American modernism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5342. Postmodernism and Typography.
This course explores the relationship between form and content through the lens of graphic design and typography from the 1960s through 1990s, with a focus on postmodernism. Topics include: new wave and experimental typography, design authorship, appropriation, deconstruction, narrative structures, and new media.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5343. Communication Design Seminar.
This course examines communication design research methods, modes of practice, and models of the creative process. Students will engage in individual research inquiries, in order to develop the topic for their master's thesis in Communication Design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5350. Special Problems in Communication Design.
An independent study requiring complex problem-solving in communication design. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5360C. Environmental Graphic Design Systems.
This course will explore complex corporate, consumer, and institutional environmental systems. Concept, design, program continuity, and environmental graphic design systems (EGDS) in the marketplace will be emphasized. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360D. Typeface Design.
This course explores the detailed anatomy of typefaces in order to design custom typefaces through various applications. Students with an advanced knowledge of typography will research detailed type anatomy as well as historical and cultural typographic constructs. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360E. Sustainable Packaging Design.
Students will explore the role of sustainable package design in context to meeting the requirements of clients and consumers in the global marketplace. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360F. Communication Design Business Strategies.
In this course, the student will be exposed to the principles of project, studio, marketing, and business development management as it relates to the business operations of a communication design studio. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360G. Interactive Design.
This course explores the concept of interactivity in all its form, from the digital to the physical as it relates to communication design. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360H. Mobile and Social Media.
In this course, the student explores the implications of social networking and mobile communications in contemporary communication design. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360I. Editorial Design.
This course develops typographic skills pertaining to page layout through the use of functional and aesthetic type and its application within the digital environment. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360J. International Perspective in Typography.
This course studies the international perspectives of typography. This course requires a field trip abroad and will conclude with one extensive communication design assessment based upon the field trip experience. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360K. Data Visualization.
This course explores methods of combining visual aesthetics with real data to create meaningful and at times complex visualizations. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360L. User Experience Design.
This course explores advanced concepts in user-centered mobile applications, Web site, and operating system interface design. Students will solve design problems that take into account a holistic view of the user and how they interact with software. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360M. Design for Social Impact.
This course will provide a platform to explore the ways that design processes can be applied in order to enable positive social change. The course reconsiders the role of the designer in the context of the social sector. Repeatable up to 3 times when the area(s) of emphasis change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ARTC 5360N. Alternative Printing Methods.
This course will explore hands-on printing methods for designers. Letterpress, screen-printing and other alternative printing methods will be explored to visually express design concepts. Repeatable up to 3 times when the area(s) of study change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360O. Kinetic Typography.
Students will study the creation of moving typography as an extension of typography and animation. The history and development of typography and motion graphics in art will be examined. Students will engage in innovative development of kinetic typography using current digital technology combined with experimental techniques. Repeatable up to 3 times for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360P. International Design Student Synergy Project.
Students will collaborate with students from the MFA program at the Jade Hochschule in Wilhelmshaven. This course requires a one-week stay in Wilhelmshaven, Germany. It will conclude with one extensive communication design project that showcases their research done abroad. Students will research German Design values while on location and discuss with German design students, while also presenting American design values. Restricted to students enrolled in the MFA Communication Design major.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360Q. Experience Design.
Students will learn how the evolution of computing information has changed the role of technology and experience designers. Students will generate a variety of Web and Mobile applications using Artificial Intelligence as the core technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360R. Entrepreneurial Design.
Students will focus on the interconnection between entrepreneurial thinking and innovation. They will develop innovation-driven venture skills and will gain open and critical thinking skills with a focus on community, understanding of calculated risk and the initiative to follow-through.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360S. Design Futures.
Students will translate technological and socioeconomic issues into the near future. They will explore the role of design in solving or coping with the consequences of today's actions. The course will prepare students to think critically about the role of design in the evolution of humankind.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5360T. Design for Motion.
This course introduces theories, techniques, and practices of motion graphics for students with a strong foundation in communication design. This course focuses on the successful integration of images, typography, and sound over time to create nuanced and complex messages. Experimentation, research, critical analysis, and concept development is emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ARTC 5370. Professional Practice.
Students are placed in regional and national advertising agencies, digital media studios, or graphic design firms to gain professional practice experience. Repeatable once for credit.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Standard Letter

ARTC 5399A. Thesis.
The course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in ARTC 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ARTC 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ARTC 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ARTC 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Communication Disorders (CDIS)

CDIS 1331. Introduction to Communication Disorders.
Study of speech, hearing, and language development and its disorders; descriptions of communicative disorders and their etiologies for the speech-language pathologist, health professional, and classroom teacher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 3312. Neuroanatomy for Communication Disorders.
This is a lecture course that examines the organization of the brain, spinal cord, and peripheral nervous system. Significance of the areas of the nervous system that are primary or secondary for speech, language and hearing are the main focus of this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 3325. Anatomy and Physiology of the Speech Production System.
Description of structure and function of the speech production system with emphasis on physical problems in speech, language, and hearing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 3459. Phonemics and Phonetics.
Analysis of normal and abnormal phonological processes in children and adults. Proficiency in transcription using the alphabet of the International Phonetic Association emphasized.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CDIS 3462. Remediation of Articulatory and Phonological Disorders.
This course prepares students to manage articulation and phonological disorders. Current therapeutic models are reviewed. Observation of therapy and instruction in preparation of written clinical reports are required. (WI) Prerequisites: CDIS 3325 and CDIS 3459 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

CDIS 3469. Introduction to Hearing Science.
Study of acoustics, auditory physiology and perception of sound. Includes discussion of auditory sensitivity, signal detection, psychoacoustic methods, perception of pitch and loudness, binaural hearing and speech perception. Associated laboratory promotes reinforcement of concepts addressed in lecture through review, problem solving and weekly assignments.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CDIS 3475. Speech Science.
Normal processes of speech production will be addressed from anatomic, physiologic, kinematic, aerodynamic, acoustic, and perceptual perspectives. Measurement and analysis techniques, instrumentation, and experimental paradigms used to study speech production and perception will be emphasized. Prerequisites: CDIS 3325 and CDIS 3459 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CDIS 4301. Advanced Independent Study.
In-depth study of selected topics in Communication Disorders for the exceptionally motivated student. Work done on an independent basis with faculty member and only with prior departmental permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CDIS 4317. Service Delivery in Communication Disorders.
Provides a foundation of clinical management to prepare CDIS students to work in a variety of settings. Emphasis will be placed on techniques of goal and objective sequencing, report writing, evaluation of services, ethics, and interdisciplinary collaboration. Prerequisite: CDIS 3462 and CDIS 4330 and [CDIS 4350 or CDIS 4466] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CDIS 4330. Speech and Language Development.
Course to acquaint students with acquisition of speech and language in children. Basic information from linguistics, psycho-linguistics, psychology, and communication are examined for children in various stages of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 4340. Augmentative Communication Systems.
Designed to review methods of non-oral communication as applied to hospital, rehabilitation, and school settings. Use of electronic communication systems emphasized. Corequisite: CDIS 4330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 4344. Clinical Practicum in Communication Disorders.
Supervised clinical practicum in speech-language pathology. Must be taken each semester student participates in any supervised clinical practicum in speech-language pathology. Prerequisites: CDIS 1331 and CDIS 3459 and [CDIS 3462 or CDIS 4466] all with grades of "C" or better. Corequisite: CDIS 4330 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 4350. Survey of Neurogenic Communication Disorders.
An introduction to acquired speech, language, cognitive and swallowing disorders resulting from brain injury. Basic neuroanatomy and physiology are reviewed, followed by discussion of the etiology, diagnosis, treatment, and prognosis of these disorders. Emphasis is placed on aphasia, motor speech disorders, right hemisphere syndrome, traumatic brain injury, dementia and dysphagia. Prerequisite: CDIS 3312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 4370. Aural Rehabilitation.
Principles and procedures in the habilitation and rehabilitation of hearing impaired children and adults. (WI) Prerequisites: CDIS 4420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CDIS 4390A. Scientific Bases of Clinical Decisions in Communication Disorders.
This course is designed to acquaint students with principles of research design, as well as the skills to locate, evaluate, and apply contemporary evidence in Communication Disorders. The ethical conduct of research will be discussed and emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CDIS 4390B. An Introduction to Stuttering and Voice Disorders.
This is an introductory course on childhood-onset stuttering and voice disorders. Specific to stuttering, students will learn the etiology, assessment and treatment of childhood-onset stuttering. Specific to voice disorders, students will learn the basic anatomy and physiology of voice, normal voice, types of voice disorders, their assessment and treatment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CDIS 4420. Introduction to Audiology.
Relates anatomy and physiology of the auditory system and the science of acoustics to the study of normal and pathological auditory function. Laboratory experience in administration and interpretation of audiological tests. Discussion of professional opportunities in the field of audiology and provision of audiological service to special populations. Prerequisite: CDIS 3469 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CDIS 4466. Clinical Management of Language Disorders.
Study of principles and procedures for the identification, description, assessment and remediation of language disorders in infants, children, and adolescents. Students will observe demonstrations of assessment procedures and types of language disorders within the context of clinical procedures. Describing observed behaviors and analyzing language samples will be emphasized. Prerequisite: CDIS 4330 with a grade of "C" or better.
4 Credit Hours. 4 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

CDIS 4680. International Multicultural Experience in Communication Disorders.
This is a Study Abroad opportunity allowing students to compare speech-language-hearing clinical and educational models in the United States with those from other countries. Emphasis is on social, linguistic, economic and cultural factors that impact assessment and treatment. This course combines time on-campus with a multi-week, international learning experience.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CDIS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5301. Advanced Independent Study in Communication Disorders.
Discussions of various areas of speech language pathology. Attention to individual needs of the student. Emphasis on independent study in habilitation and rehabilitation of communication disorders. This course is repeatable for credit and can be taught by different faculty covering different topics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5312. Neuroanatomy for Communication Disorders.
This is a lecture course that examines the organization of the brain, spinal cord, and peripheral nervous system. Significance of the areas of the nervous system that are primary or secondary for speech, language, and hearing are the main focus of this course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5321. Clinical Practicum in Audiology.
Supervised clinical practicum in audiology. Focus is on both diagnostic and rehabilitative audiological management of diverse populations. Must be taken every semester that a student participates in supervised audiology practicum. May be repeated for credit. This course does not earn graduate degree credit. Prerequisites: CDIS 4420 and CDIS 4370 or equivalents; instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required
Grade Mode: Leveling/Assistantships

CDIS 5325. Anatomy and Physiology of the Speech Production System.
Description of structure and function of the speech production system with emphasis on physical problems in speech, language, and hearing. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5330. Speech and Language Development.
Course to acquaint students with acquisition of speech and language in children. Basic information from linguistics, psycholinguistics, psychology, and communication are examined for children in various stages of development. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5331. Stuttering Therapy.
Description of therapeutic intervention with children and adults who stutter. Techniques of assessment, management, and counseling are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5333. Language Disorders in School-Age and Adolescence.
This introductory-level course will review assessment and intervention for language disorders in the school-age and adolescent population. The relationship between language and literacy will be discussed. Students will engage in detailed narrative analyses. Evidence-based practice and collaborative models of intervention will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5334. Articulation and Phonological Disorders: Assessment and Intervention.
Study of normal, delayed, and disordered child phonology in English and select dialects/languages. Course covers etiologies, characteristics, and anatomic/physiologic bases of delays/disorders, as well as their potential impact on phonological awareness and subsequent development in reading/writing. Prevention, assessment, and treatment of disorders will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5335. Bilingual Phonology and Phonological Disorders.
Typical development of Spanish-English bilingual/bidialectal children's articulation and phonology will be discussed. Assessment and intervention of articulation and phonology with bilingual/bidialectal children will also be addressed. The information and theoretical foundations serve as a guide for students to critically evaluate and clinically apply research in bilingual populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5336. Neuromotor Disorders of Speech: Description and Rehabilitation.
The course reviews the neuroanatomic mechanisms underlying speech production and surveys the etiology, symptomatology, epidemiology, course, and prognosis of speech disorders resulting from impairment of the central and/or peripheral nervous system. Emphasis is placed on apraxia and the dysarthrias. Clinical application in assessment and rehabilitation of patients with neurogenically-based motor speech deficits is stressed. Prerequisite: CDIS 3312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5337. Vocal Rehabilitation.
Assessment of vocal function and disorders; rehabilitation of the patient with vocal abnormalities due to vocal abuse, psychological, and/or organic etiologies, including laryngectomy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5339. Dysphagia.
A review of anatomic and physiologic disturbances of swallowing in neurologically impaired and post-surgical head and neck cancer patients will be presented. Instrumentation, techniques of evaluation, and radiograph examination of deglutition will be reviewed. Rehabilitation procedures will be described in detail.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5340. Cognitive Rehabilitation in Traumatic Brain Injury.
This introductory-level course will review neuropathology and neurophysiology of traumatic brain injury and dementia, introduce relevant terms and models in cognitive rehabilitation, provide a framework for assessment and treatment, and discuss the functional impact of cognitive-communicative disorders on the patient and others. Prerequisites: CDIS 5336 and CDIS 5342 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5342. Aphasia and Related Disorders.
The course develops an understanding of the etiology, symptomatology, assessment, remediation, and recovery patterns of acquired communication disorders that result from impairment of the central nervous system, with a focus on the aphasias and traumatic brain injuries. Coexisting problems caused by damage to cortical/sub-cortical structures will also be addressed. Recent advances in relevant clinical research and technology will be surveyed. Prerequisite: CDIS 3312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5344. Advanced Clinical Practicum.
Clinical practicum for graduate students focusing on assessment and remediation of communication disorders in children and adults. Required each semester enrolled. Repeatable. This course does not earn graduate degree credit.
3 Credit Hours. 1 Lecture Contact Hour. 8 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required
Grade Mode: Leveling/Assistantships

CDIS 5350. Multicultural Issues in Communication Disorders.
Addresses the social, cultural, and linguistic factors that impact the clinical service delivery provided to culturally and linguistically diverse populations. A primary focus of the course will be to address general principles of assessment and intervention as they relate to the clinical management of individuals with communication disorders from diverse cultural and language backgrounds. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

CDIS 5362. Introduction to Research in Communicative Disorders.
Designed to acquaint the student with research protocol in behavior science, with an emphasis in speech-language pathology. Topics include research design, data analysis, manuscript preparation, and obtaining external funding. Emphasis on critical analysis of professional literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5363. Language Disorders in the Birth-to-5 Population.
This introductory-level course will review assessment and intervention for language disorders in the birth-to-5 population. Use of assessment information to determine language disorders versus language difference will be addressed. Students will engage in detailed language sample analyses. Creating effective intervention plans using assessment data will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5370. Aural Rehabilitation.
Principles and procedures in the habilitation and rehabilitation of hearing-impaired children and adults. This course does not earn graduate degree credit. Prerequisite: CDIS 5420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5380. Communication and Aging.
The influx of senior citizens in our population will require preparation for the increased incidence of communication problems due to normal and pathological aging processes. This course will address how aging affects communication, how communication disorders manifest in the aging population, and implications for professionals working with older adults.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CDIS 5390. Seminar in Communication Disorders.
Examination of current theoretical and clinical issues in Communication Disorders. Issues may include family management in communication disorders, language and literacy, issues in health care rehabilitation, instrumentation and entrepreneurship. May be repeated for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CDIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Communication Disorders 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5420. Introduction to Audiology.
Relates anatomy and physiology of the auditory system and the science of acoustics to the study of normal, pathological auditory function. Laboratory experience in administration and interpretation of audiological tests. Discussion of professional opportunities in the field of Audiology and provision of audiological service to special populations. This course does not earn graduate degree credit. Prerequisite: CDIS 5469 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5459. Phonemics and Phonetics.
Analysis of normal and abnormal phonological processes in children and adults. Proficiency in transcription using the alphabet of the International Phonetic Association emphasized. This course does not earn graduate degree credit.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5462. Remediation of Articulatory and Phonological Disorders.
This course prepares students to manage articulation and phonological disorders. Current therapeutic models are reviewed. Observation of therapy and instruction in preparation of written clinical reports are required. This course does not earn graduate degree credit. Prerequisites: CDIS 5325 and CDIS 5459 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5466. Clinical Management of Language Disorders.
Study of principles and procedures for the identification, description, assessment, and remediation of language disorders in infants, children, and adolescents. Students will observe demonstrations of assessment procedures and types of language disorders within the context of clinical procedures. Describing observed behaviors and analyzing language samples are emphasized. This course does not earn graduate degree credit. Prerequisite: CDIS 5330 with a grade of "C" or better.
4 Credit Hours. 4 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5469. Introduction to Hearing Science.
Study of acoustics, auditory physiology, and perception of sound. Includes discussion of auditory sensitivity, signal detection, psychoacoustic methods, perception of pitch and loudness, binaural hearing, and speech perception. Associated laboratory promotes reinforcement of concepts addressed in lecture through review, problem-solving, and weekly assignments. This course does not earn graduate degree credit.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5475. Speech Science.
Normal processes of speech production will be addressed from anatomic, physiologic, kinematic, aerodynamic, acoustic, and perceptual perspectives. Measurement and analysis techniques, instrumentation, and experimental paradigms used to study speech production and perception will be emphasized. This course does not earn graduate degree credit. Prerequisites: CDIS 5325 and CDIS 5459 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

CDIS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CDIS 5680. International Multicultural Experience in Communication Disorders.
This is a Study Abroad opportunity allowing students to compare speech-language-hearing clinical and educational models in the United States with those from other countries. Emphasis is on social, linguistic, economic and cultural factors that impact assessment and treatment. This course combines time on-campus with a multi-week, international learning experience.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CDIS 5689. Internship in Communication Disorders.
Laboratory and clinical practicum at selected therapeutic sites used to provide additional breadth to therapeutic experiences. Repeated for credit. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
6 Credit Hours. 1 Lecture Contact Hour. 30 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CDIS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Communication Studies (COMM)

COMM 1310. Fundamentals of Human Communication.
This course examines the speaking and listening principles and techniques that are fundamental for every aspect of human communication. The course develops basic verbal and nonverbal communication skills and knowledge in three specific contexts: interpersonal, small group, and public speaking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Communication CAO 091|Lab Required|Time Conflicts Permitted
Grade Mode: Standard Letter
TCCN: SPCH 1311

COMM 1340. Voice and Articulation.
This course is a study of the physiology of the human voice and the sounds of speech. The student's own voice will be the primary focus, with practice to develop speech appropriate for professional contexts. Prerequisite: COMM 1310.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SPCH 1342

COMM 2111. Speech and Drama Activities.
A course designed to provide credit for participation in communication studies and theatre activities. May be repeated for a total four credits in communication studies and four credits in theatre. May be repeated with different emphasis for additional credit.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: SPCH 1144

COMM 2315. Interpersonal Communication.
This course studies communication principles and theories exploring interpersonal interactions with emphasis on conceptual foundations, personal growth and skill enhancement. Prerequisite: COMM 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SPCH 1318

COMM 2326. Interpretive Reading.
A study of the techniques of the oral interpretation of literature with an emphasis on performance. Prerequisite: COMM 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 2330. Small Group Communication.
This course focuses on communication in small groups and teams including an analysis of the structure and skills involved in managing the task and relational components of group work. Special emphasis is placed on problem solving discussion, effective meeting leadership and participation, and critical thinking. Prerequisite: COMM 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SPCH 2333

COMM 2338. Public Speaking.
This course helps the student to develop personal speaking skills and introduces principles of contemporary types of speeches. Prerequisite: COMM 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SPCH 1315

COMM 3301. Empirical Research Methods.
This course explores how to conduct and interpret communication research through the scientific method.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3302. Rhetorical Research Methods.
Students will explore and apply methods of analysis and evaluation of rhetorical discourse with emphasis on developing critical research and writing skills. Students should complete COMM 3302 before enrolling in other advanced rhetorical studies courses. Prerequisites: COMM 1310; COMM 2338.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3310. Communication Theory.
This course explores the practical ways in which communication theory operates to foster self-awareness, to make sense of personal experiences, and to cultivate critical thinking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3316A. The Art of the Interview.
This course explores the components and techniques that differentiate the interviewing process from other forms of interpersonal communication. By understanding the intricacies of interviewing skills, students improve their performance in the traditional sense of the word and broaden their scope as to its applicability in multiple contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3316B. Communication Career Readiness.
This course helps students discover communication careers by assisting them in building a personalized career pathway through hands-on experiences, mentoring, networking, and examining the field of communication studies. Permission of instructor is required for registration. Prerequisite: COMM 1310, with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3316C. Communication and Identity in International Work Cultures.
This course explores how personal, cultural, organizational, and occupational identities shape workplaces. By the end of this course, students will be able to explain how different cultures learn and adapt to work, distinguish work identities across different cultures, and evaluate their own work-life identities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3316D. Professional Skills for the Global Workplace.
This course provides a survey of relevant skills necessary to work in an international work setting. Through discussion, site-visits, and application activities, students will leave the course with an understanding and ability to apply these skills in their careers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3316E. Diversity and Inclusion: Applications for Corporate Communication and Training.
This course examines the relationship between communication and power imbalances that deny equal respect, dignity, and rights to inclusion for the socially marginalized. Upon completing the course, students will be able to extend principles from the critical paradigm and instructional communication to act ethically when making decisions that impact socially marginalized groups.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3316F. Rhetoric, Race, and Memory.
This course explores how public articulations about what happened in the past inform our present and future. Through an exploration of how communities remember civil rights and racism, the course offers students with deeper insight into how communicative practices enable communal transformation and can sustain or disrupt communal identity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3318J. Communication in Health Organizations.
This course examines the delivery and exchange of messages within health organizations. Specific communication contexts to be emphasized will include interpersonal conflict, negotiating, communication networks, communication environments, virtual systems of communication, channel/media selection strategies, communication climate, communities of practice, public relations communication campaigns, and organizational crisis management. Prerequisite: COMM 2315 or COMM 2330 or COMM 2338 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3318U. Public Advocacy and Civic Engagement.
This course provides a theoretical foundation to understand the fundamentals of public deliberation, advocacy, and civic engagement in a democratic society. Sample topics include practices of engagement and inquiry; ethics; free expression and the responsibility of advocates.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3318V. Speechwriting.
This course will provide a basic understanding of the speechwriting process, including writing different types of speeches of varied length targeted to different audiences and venues. Students will learn effective speech organization and content through drafting and peer review and gain basic experience in the effective delivery of speeches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 3319. Introduction to Organizational Communication.
Applies communication and management theory along with contemporary research to understand messages in corporate, nonprofit, and volunteer organizations. Prepares the students to think critically about their organizational experiences and use theory to assess and manage communication processes including supervisor-subordinate communication, conflict, and cultures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3320. Sport Communication.
Sport Communication provides a theoretical foundation to understand and apply interpersonal, organizational, team, and public communication skills in sport settings. Sample topics include: fan culture, racial identity and gender, player/coach interactions, and crisis communication. Students gain practical knowledge and skills to optimize verbal and nonverbal messages in sport contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3325. Communication and Conflict Management.
Demonstrates the ways communication skills can be used to manage conflict. The class also provides an analytic framework for diagnosing conflict, negotiation, and mediation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

COMM 3326. Family Communication.
The study of the theory and research trends regarding the dynamics of family communication, including parent-child, sibling, marital, and inter-generational interactions; family culture and roles: divorce and step families; conflict; stress and well being. Prerequisite: COMM 2315.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

COMM 3328. Communication and Gender.
Investigates the interactive nature of communication and gender, the creation of gender identities, and the role of gender and communication in a variety of settings. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

COMM 3329. Intercultural Communication.
Presents theory and application of communication skills for a culturally diverse world. Develops verbal and nonverbal abilities in social and professional intercultural contexts. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

COMM 3330. Nonverbal Communication.
Introduces the conceptual foundations of nonverbal communication. Theoretical components, research methods and applications of nonverbal communication are also explored in a variety of contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3332. The Dark Side of Communication.
This course examines communication that is considered challenging, complicated, stressful, or unpleasant. Topics include (but are not limited to) deception, teasing/bullying, jealousy, topic avoidance, and aggression. The phenomena covered range from the everyday to the extreme, and impact our well-being as well as our relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3336. Diversity and Communication.
This course examines various styles of formal and informal communication, and builds awareness and understanding of diversity. It will address diversity issues in social characteristics such as age, gender, race, and sexual orientation. It will address how society communicates about issues related to diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3345. Argumentation and Debate.
A study of basic principles of argumentation emphasizing analysis, evidence, reasoning, and refutation and their applications in formal and informal debate contexts. Students will do laboratory work with the University forensics squad. Prerequisite: COMM 1310.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 3358. Professional Communication.
Application of self-presentation and interaction concepts and skills to the transition from undergraduate studies to professional life, including job selection, resume preparation and presentation, interviewing, and interaction management in business and professional settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4111. Practicum in Communication Studies.
On-the-job experience working with faculty to assist with the department missions of teaching, research or service. Students may work in the department communication lab, assist faculty in the classroom, serve as faculty research assistants or other academic support tasks. May be repeated one time for additional credit. Prerequisite: Departmental approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 4307. Media Criticism.
Explores the influence of media messages based upon communication and rhetorical theories in shaping perceptions and values. Focus is upon the rhetorical analysis of how the visual media of film and television communicate social, political, and personal attitudes and behaviors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4310. Methods of Teaching Communication Studies.
A study of methods of teaching communication studies principles and skills for secondary school teachers. Students enrolled in teacher certification programs with a major in Nutrition, Consumer Affairs, Communication Studies or a second teaching field in Communication Studies should contact the Department of Communication Studies for approval to register. (WI) Prerequisite: COMM 1310, COMM 2315, COMM 2330, or COMM 2338; with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

COMM 4311. Instructional Communication Practicum.
This course provides students with an overview of instructional communication research, including teacher immediacy and clarity, and student responsiveness and engagement. Students will also work with a faculty supervisor as an instructional aide in which they will facilitate experiential activities and learn to assess lower-division assignments. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

COMM 4315. Directed Research in Communication Studies.
Individual or group research projects at the advanced level that are not offered in the present curriculum. Permission and project approval must be obtained from the departmental chair prior to registration. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Dual Enrollment Permitted
Grade Mode: Standard Letter

COMM 4320. Planning Communication Studies Activities and Events.
This course is designed to assist individuals in the management and implementation of communication activities and events. The course includes practical experience in planning and directing individual events.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 4321. American Speeches.
Analysis and evaluation of major American speeches and their influence on the history and culture of the United States from 1630 to the present. Prerequisite: COMM 2338.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4322. Rhetoric of Protest Movements.
Explores the persuasive strategies used by protest and political movements to promote social and political change. Focuses upon the application of critical perspectives in understanding the stages, leadership styles, and rhetorical appeals characteristics of movements in American society. (MULT) Prerequisite: COMM 2338.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

COMM 4324. Organizational Rhetoric.
Guided by principles of rhetoric, students will investigate a variety of functions for internal and external audiences. Functions will include building identity; managing issues, impressions, and crisis; and influencing organizational culture. Students will use this knowledge to create and analyze organizational messages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4325. Communication and Technology.
This course explores how the use of information and communication technologies relates to interpersonal, organizational, public, political, and intercultural communication practices and outcomes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4326. Health Communication.
This course provides students with an overview of major theoretical and practical issues for communicating about health issues in clinical, organizational, relational, and public contexts. Students will gain knowledge and skills to improve patient health outcomes through effective message strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4327. Social Media in Organizations.
Social Media in Organizations prepares students to be effective social media writers, resourceful workers, critical consumers, and savvy job seekers. We will consider members' use of social media inside organizations as well as explore our peripheral connection with organizations as consumers and prospective employees.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4329. Communication Training and Human Resource Development.
This course presents the principles and skills of developing and presenting communication training programs. An emphasis is placed upon applications of communication skill development, communication theory, and instructional communication research in organizational contexts. Prerequisite: COMM 2315, COMM 2330, or COMM 2338.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4331. Persuasion.
An investigation of rhetorical and behavioral theories of persuasion, the devising of persuasive campaigns, as well as the consumption and generation of persuasive messages in a variety of communication settings. Applicable for careers in business, law, and human relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4338. Advanced Public Speaking.
In-depth critical analysis of speech construction and the development of presentation skills. Prerequisite: COMM 2338.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4341. Intercultural Communication in the Americas.
This course investigates intercultural communication in various contexts of North, Central, Latin America and the Caribbean covered over two sections: (1) understanding the cultural differences (i.e., values, nonverbal communication, negotiation, business communication, family communication), and (2) understanding transitional experiences of migrants from Central and Latin America, and the Caribbean.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4345. Political Communication.
A study of historical and contemporary political campaigns in the United States analyzing management strategies, promotional techniques, and rhetorical messages. Prerequisite: COMM 2338.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4346. Environmental Communication and Sustainability.
In this course, students learn how to analyze environmental communication messages and how they influence our understanding of environmental issues. Students will examine public discourse including formal oratory, public debate, political communication, organizational communication, and mass mediated messages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4347. Leadership and Communication.
An advanced course in communication designed to examine in detail the phenomenon of leadership in groups and organizations. Various theories and approaches to leadership will be surveyed with an emphasis on applying leadership principles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4351. Relational Communication.
The study of theory and research trends regarding communication in close relationships, including attraction and intimacy; relationship development, maintenance, and dissolution; affection and support; and conflict. The theoretical and practical relevance of the social, emotional, and relational consequences of messages in emphasized throughout the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 4390. Communication Internship.
This course provides on the job experience in a communication related role in an approved organization. Enrollment requires permission of the instructor, a minimum of 150 clock hours on the job, a written contract with the internship coordinator, and a final portfolio of work. May be repeated for additional credit. Prerequisites: 6 hours of upper level communication electives completed with a grade of "C" or higher. Restricted to full majors or minors in their junior or senior year. Good academic standing required.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 5100. Teaching Communication Studies.
An introduction to curriculum, instruction, and assessment methods in the teaching of Communication Studies. Provides an orientation as well as regular in-service training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

COMM 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5301. Empirical Methods in Communication Research.
An examination of empirical research methods in speech communication. Measurement procedures, statistics, experimental design, and descriptive research methods will be investigated as well as a consideration of scholarly writing and library research. Required of communication studies majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5302. Rhetorical Methods.
A study of approaches to the analysis of public discourse directed toward establishing workable perspectives for students conducting rhetorical analysis. Required of communication studies majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5303. Qualitative Research Methods in Communication.
This course provides an introduction to qualitative methods of inquiry in communication. Students will learn and apply principles of qualitative research designs in data collection, analysis, and integration of narrative and non-numeric data in communication research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5304. Work/Life Intersections.
This course examines those situations where work and life intersect, and how humans use communication to create, negotiate, and manage work/life intersections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5307. The Dark Side of Communication.
This graduate seminar will examine aversive and problematic interactions in interpersonal, organizational, health, and instructional settings. Sample topics include (un)fairness, backstabbing/betrayal, breaking up, end of life communication, deception, teacher misbehaviors, and bullying. Students will take a research-based approach to understanding these undesirable, yet common, messages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5309. Proseminar in Communication Research Methods.
The goal of this course is to provide students with an overview of the methods used in the discipline of Communication Studies. To that end, we will begin by introducing students to the history of the discipline followed by overviews of rhetorical, quantitative, and qualitative research methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5310. Methods of Teaching Communication Studies.
A study of the methods of the teaching speech communication principles and skills for secondary school teachers. Prerequisite: Admission to teacher certification program or permission of department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5312. Intercultural Communication.
This course examines how culture evolves and is maintained through communicative systems of meaning. The many ways in which language, culture, and communication interact with, influence, and manifest in each other in everyday experience are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5313. Relational Communication.
This course provides a comprehensive overview of relational communication theories and research. Students engage with theory and research frameworks to think critically about relational communication perspectives and contributions, understand the strengths and limitations of those perspectives, and learn to contribute to new knowledge of relational communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5314. Family Communication.
This course explores the communication processes associated with families. Topic areas for exploration will include: storytelling, intimacy, conflict, rituals, religion, health-illness, and death. The goal is to further understand interdisciplinary research and theory related to family interactions embedded in larger webs of social, cultural, and generational relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5315. Directed Research in Communication Studies.
A course to be offered to certain graduate students to allow for independent study in a specific area for which a regular course is not available. May be repeated with different emphasis for additional credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Dual Enrollment Permitted
Grade Mode: Standard Letter

COMM 5318. Interpersonal Communication.
A review of current research in the area. Includes an examination of contemporary theories and research methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5319. Organizational Communication.
Examines organizational communication theory and research in applied organizational contexts. Provides communication professionals with an analytical framework for improving communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5320. Directing Communication Studies and Theatre Activities.
Designed to assist any teacher, whether of speech and drama or some other subject, in directing speech and drama activities. During the course, those in the class will actually direct debate, plays, declamation, and other activities. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 5321. Communication Assessment.
An in-depth study of communication assessment techniques employed in the field of oral communication. Statistical, experimental, and observational methods of assessing oral communication in interpersonal, group, and classroom settings are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5324. Seminar in Instructional Communication.
Examines communication instruction theory and research and their practical applications in various instructional settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5325. Seminar in Human Communication Theory.
This course is an examination of theories of human communication contexts including interpersonal, family, intercultural, organizational, and instructional communication. The course may be repeated with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 5327. Contemporary Rhetorical Theory.
A survey of the major contemporary theoretical perspectives and conceptual debates in rhetoric. Focuses upon critical interpretations and applications of theory in addition to study of primary theorists' writings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5329B. Communication and Negotiation.
Examines theory, research, and practice of conflict management and negotiation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329D. Managing Communication Technologies in the Workplace.
Examines how communication technologies both help and hinder workplace communication. Examines theory, practical applications, key scholars and empirical research. Heavy focus on using case studies that provide context for learning how to thrive in the contemporary organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329E. Communication and Organizational Culture.
A seminar about communication and organizational culture. Discussion and materials explore communication practices that enable people to identify themselves as members of an organization and bind themselves to each other. Students will have the opportunity to analyze an organization. Prerequisite: COMM 5319 or consent of instructor is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329G. Communication and Emotion.
This course examines various ways in which interpersonal communication and emotion coexist and impact one another. The goal is to provide opportunities to learn about emotional experience and expression both in an abstract way (class readings and discussions) and in a more concrete fashion (conducting your own analyses and research).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329H. Work, Identity, and Difference.
Work is influential in our social interactions, our understanding of our own and others' identities, and our navigations of difference. We will explore the communication challenges of contemporary work in the United States through researching the history of work, excessive work, and communication construction of difference at work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329I. Relational Health Communication.
This course reviews the intersection of interpersonal and health communication theory, highlighting the impact of social involvement and communication processes on health outcomes, as well as the application of health communication theories in close relationship contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329J. LGBTQ+ Rhetoric and Advocacy.
This course explores historical and contemporary developments in of LGBTQ+ rhetoric and advocacy. In doing so, the course also examines how approaches to the study of LGBTQ+ rhetoric and advocacy, in terms of theory and methodology, has changed and shifted over time.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5329K. End-of-Life Communication.
This course will examine communication at the end-of-life (EOL). Students will discuss how people approach the EOL, and the end of relationships, through communication. Course material will highlight challenges and current issues surrounding EOL communication between terminally ill individuals and their family, friends, and medical professionals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

COMM 5330. Nonverbal Communication.
A review of current theory and research of nonverbal communication behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5331. Persuasive Communication.
An analysis of theories of persuasion. Emphasis placed on understanding established theories of attitude formation and change, contemporary persuasion, research, and the application of persuasion theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5332. Communication and Technology.
Focuses on research and theories about the relationships between technology and communication behavior in interpersonal, group, and organization contexts. Also considers relationships between communication, technology, and culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5333. Health Communication.
This course provides an overview of health communication theory and research to explore how interpersonal, organizational, and cultural messages shape views of illness and the health care system. Topics will include health literacy, health risk messages, e-health, health disparities, and physician-patient interactions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5342. Historical Rhetoric and Social Influence.
This course is an analytical study of speeches, speakers, groups, movements, and rhetorical strategies in history. Includes emphasis on the following topics: American Public Address, Rhetoric of Woman's Suffrage, and other historic topics of interest. This course may be repeated with different emphasis or topic for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 5343. Contemporary Rhetoric and Social Influence.
The analytical study of speeches, speakers, groups, movements, and rhetorical strategies in contemporary society. Includes emphasis on the following topics: rhetoric and culture, rhetorical movements, and rhetorical genres. May be repeated with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COMM 5344. American Speeches.
This course is a survey of American public address. The class will study significant and representative speeches from different periods of American history. This class will examine what the study of American public address can teach us about history, communication, and social influence.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5345. Political Communication.
Study of political communication in contemporary times. Course will cover the rhetoric of candidates and politicians, the structure of political campaigns, and campaign practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5347. Small Group Communication.
An examination of theories and research evidence about communication in the small group.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5350. Applied Communication Studies.
An application of communication principles and skills. Topics covered may include organizational, interpersonal, nonverbal and group communication, conflict management, communication technology, and persuasion analysis. May not be taken for credit by students pursuing M.A. degree in Communication. May be repeated for additional credit with department approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5355. Media Criticism.
A rhetorical analysis of media from a Contemporary Cultural Studies perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5356. Gender and Communication.
An examination of research and theories about gender communication, relationships, and qualitative research methods. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

COMM 5360. Introduction to Empirical Research in Communication.
Introduction to Communication Studies as a behavioral science. Students will learn principles of the scientific method; explore quantitative and qualitative methods; investigate variables across the field (persuasion, interpersonal, organizational, non-verbal, intercultural, and instructional); and analyze and apply research in Communication. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

COMM 5362A. Organizational Communication.
Introduction to communication concepts in the context of organizations. Students will learn how communication influences contemporary organizations through familiarity with contemporary research. Students will be prepared to understand, investigate, and manage communication processes in organizations. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

COMM 5362B. Organizational Rhetoric.
Introduction to the study of organizational rhetoric designed for internal and external audiences. Students will analyze and create messages based in theories of organizational rhetoric. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

COMM 5363. Introduction to Rhetorical Research in Communication.
Introduction to the rhetorical tradition in Communication, with a focus on methods of analysis of discourse. Students will learn the significance of rhetorical analysis; explore a variety of critical methodologies; perform an analysis of discourse; and report findings in writing. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

COMM 5371. Communication Training and Development.
This course examines the theory and practice of developing and presenting communication training sessions for organizations. Prerequisite: COMM 5319 or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5372. Organizational Communication Analysis and Development.
Examines communication problems in organizations and describes effective interventions. Provides communication managers and consultants with a broad range of tools and procedures for diagnosing and changing communication. Prerequisite: COMM 5319 or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5374. Organizational Rhetoric.
This course will include an examination of how organizations use symbols to accomplish a variety of functions for internal and external audiences, as well as exploring the concept of organization as rhetorical argument.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5390. Communication Internship.
Students acquire on-the-job experience in a position with an organization using skills and knowledge acquired through graduate coursework; requires written reports and other projects as specified by the supervising instructor. Prerequisite: Departmental approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5395. Capstone Research Project.
Under the direction of a graduate faculty member, students develop and submit a research or applied project using knowledge and skills acquired through graduate coursework. Required for students not pursuing the thesis path. May be taken only once for degree credit. Prerequisite: Permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Communication Studies 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COMM 7315. Directed Research in Communication Studies.
Independent study of a specific communication research area. May be repeated with different emphasis for additional credit. Prerequisite: Doctoral level standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COMM 7325A. Instructional Communication.
A review of instructional communication theory and research with an emphasis on the function of communication in instructional settings. Prerequisite: Doctoral level standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

COMM 7325B. Organizational Communication.
A review of organizational communication theory and research with an emphasis on organizational development from a communication perspective. Prerequisite: Doctoral level standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

COMM 7325C. Communication Assessment.
An in depth study of communication assessment techniques employed in the field of oral communication. Statistical, experimental, and observational methods of assessing oral communication in interpersonal, group, and classroom settings are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

Computer Information Systems (CIS)

CIS 1323. Introduction to Microcomputer Applications.
This course develops advanced information technology skills, focusing on office productivity software. Primary emphasis is placed on spreadsheet, database, and presentation software. Advanced techniques are presented for use in data analysis and decision-making. Students will be expected to demonstrate mastery of these techniques in a hands-on environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BCIS 1305

CIS 2324. Visual Programming I.
An introduction to application program development to include requirement analysis, design, implementation, and testing. A blend of structured and object-oriented concepts is used to form solutions to business problems using a visual programming language. Prerequisite: CIS 1323 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BCIS 2316

CIS 3317. E-Business.
Explores the constantly changing world of e-Business from an international perspective. This course will emphasize e-Business challenges and opportunities in the worldwide marketplace, while focusing on global issues of management, implementation, and integration of IT resources. Does not count for CIS advanced elective credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3325. Visual Programming II.
An advanced visual programming course covering topics related to the design and implementation of user interface, business logic and data access in a tiered architecture. The emphasis is on techniques that take advantage of a development framework through the use of forms, classes, and objects. Corequisite: CIS 3374 and CIS 3382 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3350. Information Security Assurance: Principles and Practices.
This course examines the concepts of information systems and network availability, integrity, and confidentiality in order to develop effective security controls, processes, practices, and procedures. Topics include methodologies, models, architectures, access control systems, ethics, and legal implications of IT security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3360. Web Applications Design and Development.
The course focuses on designing effective Web applications to support the e-business strategy of a company. It covers e-business models, business solution delivery strategy, web required architectures, and development and deployment of multi-tiered applications. Prerequisite: CIS 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3374. System Analysis and Design.
The analysis and general design phases of the system development life cycle are reviewed. Emphasis on techniques and tools for determining systems requirements that lead to the development of logical design models using structured and object-oriented methodologies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CIS 3375. Enterprise Computing Skills using COBOL.
Basic features of the COBOL language. Emphasis is on structured program development and mainframe file processing. Topics include JCL (Job Control Language), the sort feature, and subprograms. Prerequisite: CIS 2324 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3380. Enterprise Information Technology and Business Intelligence.
Students will extend their ability to effectively use integrated software applications to identify and provide access to various information sources. The course will focus on applying information and Internet Technologies that span normal business functions for the development and implementation of solutions to managerial problems. Prerequisites: CIS 1323 and QMST 2333 and [MATH 1329 or MATH 2331 or MATH 2471] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3382. Computer Data Base Systems.
Concepts and methodology of planning, design, development, and management of the computerized data base. The emphasis is on logical database design and a study of relational implementation. A relational DBMS with a relational query language is used for the development of a business application system. Prerequisite: CIS 2324 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3389. Programming for Data Processing.
This course emphasizes the development of data processing software. Topics include designing applications for analyzing and manipulating numerical and textual data from external data sources. Sequence and collections structures, object serializations, design techniques, and reporting will be examined. Prerequisite: CIS 2324 and QMST 2333 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 3390. Agile Project Management.
An introduction to project management body of knowledge as applied to Information Technology projects with emphasis on Agile Methodologies. The management of scope, costs, schedules, quality, risks, program management, system methodologies, material procurement, human, and international issues will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4318. Enterprise System Development and Application Security.
Advanced use of information technology in the design and implementation of business applications to support electronic commerce. Concepts, methodology, and toolsets for designing, implementing, and management of applications in Business-to-Business paradigm. Prerequisites: CIS 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4319. Mobile Application Development for Windows.
This course introduces the concepts, methodology, and toolset for designing business applications. Students will learn the MVC development framework and .Net programming environment for Windows to create interactive business applications. Prerequisite: CIS 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4320. Mobile Application Development for Apple-iOS.
This course introduces the concepts, methodologies, and toolset for designing business applications for mobile devices such as iPhone and iPad. Students will learn the MVC development framework and programming environment for Apple-iOS to create interactive business applications. Prerequisite: CIS 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4321. Mobile Application Development for Android.
This course introduces the concepts, methodology, and toolset for designing business applications for mobile devices. Students will learn the MVC development framework and Java programing environment for Android to create interactive business applications. Prerequisite: CIS 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4322. Computer System Development and Design.
A course that integrates systems development with analysis, design, project management, and the systems development life cycle. Object-oriented methods and UML models will be used to develop a project for a client. Students will select methodology, platform, and development technology based on client requirements. Prerequisites: CIS 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4332. Enterprise Resource Planning Systems.
The use of advanced information technology for integrating business functions in an enterprise through distributed databases is emphasized. Methodology and tools for the selection and implementation of Enterprise Resource Planning (ERP) systems are discussed. Students will use available ERP software to create, track and communicate enterprise information. Prerequisite: CIS 3380 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4348. Fundamentals of Data Communications.
A course oriented to the technical concepts of data communications and network designs and how they relate to contemporary computer end-user environments. It incorporates the systems approach for understanding, designing, managing, securing, and implementing data communication networks. Students will analyze and design data communication networks for various business situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4349. Advanced Database Management Systems.
This course introduces advanced concepts and database processes to support applications for Business Intelligence. Multi-dimensional modeling along with database, reporting, and analysis capabilities of a modern database environment will be used to design and develop stored procedures, views, user-defined functions, reports and multi-dimensional information cubes. Prerequisite: CIS 3382 with a grade of "D" or better. Corequisite: QMST 3339 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4350. Information Systems Security.
This course focuses on the technology and managerial issues related to information systems security. Topics include: Attack methods, access control, authentication, firewalls, incident and disaster response, disaster recovery, security function management, and cryptography. Prerequisite: CIS 4348 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4358. Network Administration.
This course provides students with an understanding of the responsibilities assigned to network administrators. Students will acquire a working knowledge of these responsibilities and skills using tools and technologies for administering enterprise networks via network operating systems commonly used in modern business enterprises. Prerequisite: CIS 4348 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4360. Developing Business Solutions for the Enterprise.
An introduction to the concepts, methodology, and toolsets for the architecture, design, implementation, and deployment of business solutions for the enterprise in a services-oriented computing environment. Topics include services-oriented architecture, “Software as a Service” framework, n-tier development of business and data services, and application security. Prerequisites: CIS 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 4395. Independent Study in Computer Information Systems.
An in-depth study of a single topic or related problem solved through computer information systems research. May be repeated once for credit with a different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 4399. Computer Information Systems Internship.
This one-semester course involves an internship in business information systems. Emphasis is on the application of computer information systems theory to business problems in the area of computer based management information systems. Repeatable once with different emphasis for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5318. Information Technology in the Digital Economy.
Provides an understanding of the issues involved in the strategic management of the information assets of organizations. Examines the issues and challenges that users face within the Information Technology (IT) management arena as part of a firm’s business and IT strategy. Focus is on managerial rather than technical issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5355. Database Management Systems.
Explores the concepts, principles, issues and techniques for managing corporate data resources using database management systems. The course includes techniques for analysis, design and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating database management software. Students will use a relational database management system to develop a management information system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5356. Business Telecommunications.
Explores the technology that is revolutionizing the manner in which business and government conduct their operations and the effects new developments in communication media have on computing systems. This course reflects the current state-of-the-art in data communication networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5357. Computing for Data Analytics.
This course focuses on fundamentals of programming. Students will learn to design and implement applications, and programmatically handle a variety of data management functionalities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5358. Agile Project Management For Business Professionals.
An in-depth study of the project management body of knowledge as applied to Information Technology with emphasis on Agile methodologies and the management of scope, costs, schedules, quality and risks. Includes program management, system methodologies, material procurement, and human, cultural, and international issues and their impact on the organization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5360. E-Commerce: Strategies, Technologies, and Applications.
This course is designed to familiarize students with current and emerging e-commerce technologies. Topics include Internet technology for business advantage, reinventing the future of business through e-commerce, business opportunities in e-commerce, and social, political, global, and ethical issues associated with ecommerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5364. Data Warehousing.
Familiarizes students with current and emerging data warehousing technologies that play a strategic role in business organizations. Topics include data warehouse development life cycle, data warehouse navigation, data quality, and performance issues. Prerequisites: CIS 5355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5367. Machine Learning.
This course focuses on deriving actionable knowledge from data using algorithms and industry standard tools. It covers the complete process, key technologies, core machine learning algorithms, and programming used for business intelligence. Prerequisite: CIS 5357 and QMST 5336 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5368. Information Security.
This course covers the analysis, design, development, implementation, and maintenance of information security systems. Topics include legal, ethical, professional, personnel issues; risk management; technology; cryptography; and physical security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5369. Independent Study in Computer Information Systems.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in CIS and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CIS 5370. Enterprise Resource Planning and Business Intelligence.
The use of information technology in integrating enterprises for operational control and business intelligence is examined via Enterprise Resource Planning (ERP) applications in customer relationships management, accounting, finance, purchasing, production control, sales, marketing, and human resource management. Emphasizes managerial issues surrounding the need, selection, and implementation of ERP systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5371. Accounting Information Systems and Controls.
A study of accounting information systems and controls as well as their role in the current technology-intensive business environment. Emphasis is placed on contemporary technology and applications, IT and business systems assessments, IT internal controls, control concepts and procedures, information systems auditing, and transaction cycles. Prerequisite: ACC 3313 or ACC 5361 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5378. Information Security Policies and Compliance.
This course focuses on the technology and managerial issues related to information policies, regulations, and compliance that assure confidentiality, integrity, and availability of data and computer systems. Topics include information security policy, regulations, laws, standards, framework, compliance, and governance. Prerequisite: CIS 5368 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIS 5390C. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CIS 5395. Internship in Computer Information Systems.
This course provides students with opportunities for experiential learning by working on a computer information systems project. It enables integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CIS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CIS 7355. Database Management Systems.
This course explores the concepts, principles, issues and techniques for managing data resources using database management systems. It includes techniques for analysis, design, and development of database systems, creating and using logical data models, database query languages, and procedures for evaluating management software. Students will develop a management information system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Computer Science (CS)

CS 1308. Computer Literacy and the Internet.
A study of the uses of computers and their effects on society. Text processing, spreadsheets, databases, and Web programming. Does not count for computer science credit towards a minor, a BS, or a BA in computer science.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: COSC 1301

CS 1319. Fundamentals of Computer Science.
Provides fundamental knowledge of the six layers of computer science as per the ACM CS0 curriculum. The information, hardware, programming, operating system, applications, and communications layers are presented plus appropriate open computer laboratory exercises. Does not count for computer science credit towards a minor, BS, or BA in computer science.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: COSC 1336

CS 1342. Programming for Scientists and Engineers.
This course is an introduction to computer science and problem solving techniques with applications in engineering and the physical sciences. Topics include an introduction to computer organization, data representation, algorithm development, and computer programming in a high-level language.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 1428. Foundations of Computer Science I.
Introductory course for computer science majors, minors and others desiring technical introduction to computer science. Contains overview of history and structure of the digital computer, including binary data representation. Problem solving, algorithm development, structured programming, good coding style, and control structures of C++ are emphasized. Prerequisite: [MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2417 or MATH 2471 with a grade of "C" or better] or [ACT Mathematics score of 24 or better] or [SAT Mathematics score of 520 or better] or [SAT Math Section score of 550 or better].
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: COSC 1437

CS 2308. Foundations of Computer Science II.
The course is an introduction to Abstract Data Types (ADTs) including lists, stacks, and queues. Searching and sorting, pointers and dynamic memory allocation, and simple classes and objects also will be covered. The course is a continuation of CS 1428. Prerequisite: CS 1428 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: COSC 2336

CS 2315. Computer Ethics.
This course is primarily for computer science majors, focusing on the ethical codes of the professional societies, the philosophical bases of ethical decision-making, and the examination of several contemporary case studies. (WI) Prerequisites: COMM 1310 and CS 1428 and ENG 1310 and [PHIL 1305 or PHIL 1320] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CS 2318. Assembly Language.
A course covering assembly language programming, including instruction sets, addressing modes, instruction formats, looping, logic, data representation, subroutines and recursion; and the interface between hardware and software. Prerequisites: CS 2308 and MATH 2358 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: COSC 2325

CS 3320. Internet Software Development.
A course providing foundations for the construction and design of static and dynamic Web pages with database applications. This will include server-side and client-side software development. Prerequisite: CS 2308 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 3339. Computer Architecture.
Use of fundamental hardware components. Topics include ALU's, single and multiple cycle datapath and control, RISC vs. CISC, pipelining, caches, I/O, virtual memory and related performance issues. Prerequisite: CS 2318 or EE 3420 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 3354. Object-Oriented Design and Programming.
The course covers object-oriented design principles and programming for students with prior programming experience. The topics include inheritance and polymorphism, object-oriented design process, UML diagrams, design patterns, exception handling and multithreading. Students will design and implement programs in Java. Cannot receive credit if the student has taken CS 4354. Prerequisite: CS 2308 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 3358. Data Structures and Algorithms.
This is a course that covers classic data structures and the analysis of algorithms. Prerequisites: CS 2308 and MATH 2358 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 3369. Embedded Computer Systems.
This course studies the architecture of embedded systems, micro-controllers, their peripherals, languages, and operating systems and the special techniques required to use them. Prerequisite: CS 2318 or EE 3420 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 3378. Theory of Automata.
An introduction to automata theory, computability, and formal languages. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 3393. Software Testing.
This course introduces basic concepts and techniques for testing software and finding bugs. Topics include test design, test process, unit, integration and system testing, manual and automatic techniques for generation of test inputs and validation of test outputs, and coverage criteria. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 3398. Software Engineering.
The study of software design, implementation, and validation techniques through team projects. Structured analysis, programming style, and project documentation are emphasized in large software projects. (WI) Prerequisite: CS 3354 and CS 3358 and [CS 2315 or EE 2400] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CS 4100. Computer Science Internship.
Provides on-the-job training supervised by computer scientists in industry internship programs approved by the department.
1 Credit Hour. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 4298. Undergraduate Research I.
Supervised individual research project in a mentor-student relationship with a computer science faculty member. Cannot be given degree credit until the satisfactory completion of CS 4299. Prerequisites: Minimum 3.00 Major GPA and instructor approval.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 4299. Undergraduate Research II.
Supervised individual research projects in a mentor-student relationship with a computer science faculty member. Prerequisites: CS 4298 with a grade of "C" or better and instructor approval.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CS 4310. Computer Networks.
This course covers the fundamental concepts in the design of computer networks and networking protocols with emphasis on the Internet (TCP/IP) architecture. The covered topics include: protocol layering, media access, internet routing, transport protocols and applications.Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4315. Introduction to Data Mining.
This course covers fundamental concepts and techniques in data mining and information retrieval. Data mining topics include classification, cluster analysis and pattern mining. Information retrieval topics include Boolean retrieval, vector space model, and Web search. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4318. Compiler Construction.
This course investigates theoretical and practical issues in the design and construction of modern compilers. Topics covered include lexical and syntactic analysis, syntax-directed translation, type checking, intermediate representation, code generation, and runtime systems. A major portion of the course involves implementing a compiler from scratch for a C-like programming language. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4326. Human Factors of Computer Systems.
Principles and methods in human factors and ergonomics applied to the design and use of computer systems. Prerequisite: CS 3358 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CS 4328. Operating Systems.
This course covers the principles of operating systems design. The covered topics include: process management, CPU scheduling algorithms, inter-process communication and synchronization, memory management, virtual machines and I/O device management. Prerequisites: CS 3339 and CS 3358 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4332. Introduction to Database Systems.
Introduction to database concepts, data models, file structures, query languages, database management systems. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4346. Introduction to Artificial Intelligence.
An introduction to the basic concepts of artificial intelligence; search techniques, knowledge representation, problem solving. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4347. Introduction to Machine Learning.
This course provides systematic introduction to machine learning, covering basic theoretical as well as practical aspects of the use of machine learning methods. Topics include learning theory, learning methods, and recent learning models. Application examples include multimedia information retrieval, text recognition, and computer vision. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4350. Unix Systems Programming.
Fundamentals of Unix operating systems, Unix file system and environment, C memory allocation, development tools, processes and signals, threads, device drivers, and programming for security. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4368. Survey of Computer Languages.
A survey of computer languages. Criteria for choosing languages to be covered include history, important development paradigms and environments, and language implementations. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4371. Computer System Security.
Course covers practical aspects of computer system security including managing and producing code for secure systems. Theory, such as cryptography, is introduced as needed. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4372. Introduction to Digital Multimedia.
The course covers concepts, problems and techniques in digital multimedia. Topics include digital representation and data compression of text, speech, audio, natural and synthetic images, and video, as well as multimedia applications, transmission, and standards. In addition, the course introduces perceptual aspects of multimedia signals and sources. Prerequisite: CS 3358 with a grade of "C" of better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4379B. Introduction to Graphical User Interfaces.
This course covers abstract and practical foundations of graphical user interface design, evaluation, and implementation. It discusses the fundamentals of computer graphics and interactive computer/human interfaces. The course includes a survey of usability measures, the major GUI standards, and GUI tools. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 4379C. Introduction to Computer Vision.
This course covers fundamental topics of computer vision. Topics include elementary image operations and transformations, template matching, object recognition, classification and tracking, camera models and stereo vision, and image retrieval from image databases. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 4379Q. Introduction to Recommender Systems.
This course covers the basic concepts of recommender systems, including personalization algorithms, evaluation tools, and user experiences. We will discuss how recommender systems are deployed in e-commerce sites, social networks, and many other online systems. Additionally, we will review current research in the field. Prerequisite: CS 3358 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 4379V. Fundamentals of Algorithm Design and Analysis.
This course covers classic algorithms in computer science and their applications, with emphasis on algorithm design, algorithm analysis, and problem formulation. Topics include disjoint sets and union-find algorithms, tree and graph algorithms, sorting algorithms, greedy algorithms, dynamic programming, and string processing algorithms. Prerequisite: CS 3358 with grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 4379Y. Introduction to Green Computing.
Reducing energy consumption of mobile devices, cloud computing platforms, and supercomputers is a paramount but daunting problem. This course covers fundamental concepts and techniques in green computing, including a hardware energy efficiency roadmap; energy efficient software design, resource management, and storage solutions; and green data centers and mobile computing. Prerequisites: CS 3339 and CS 3358 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 4380. Parallel Programming.
This course teaches practical aspects of parallel programming. The covered topics include multi-core processors and shared-memory programming, hardware accelerator programming, and distributed-memory machines and message-passing programming. The students will gain the knowledge and skills needed for developing parallel software by writing programs for a variety of parallel computers. Prerequisite: CS 3339 and CS 3358 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4381. Practical Game Development.
This course teaches practical aspects of computer game design and implementation. Topics include graphics game engines, game physics, AI methods applied to games, and software architectures for computer games. Students will gain knowledge and skills needed for game development via team projects. Prerequisite: CS 3398 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4388. Computer Graphics.
A study of the hardware and software used in graphic representation and interpretation of data. Prerequisites: CS 3358 and [MATH 1317 or MATH 2363 or MATH 2417 or MATH 2471 or MATH 2472] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 4395. Independent Study in Computer Science.
Open to undergraduate students on an independent basis by arrangement with the faculty member concerned. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 4398. Software Engineering Project.
Students undertake a software development project. They work in teams, developing requirements and designs which they will implement and test. Prerequisite: CS 3398 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5100. Advanced Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department. Course cannot be counted toward any graduate degree, is open only to majors in the Department of Computer Science. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5300. Professional Development of Graduate Assistants.
This course is designed to develop and enhance the professional and technical skills of graduate teaching and instructional assistants. Topics covered may include, but are not limited to, teaching skills, technical skills, ethical and legal issues, and laboratory management. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5301. Programming Practicum.
Intensive review of programming through data structures. Includes syntax, semantics, problem solving, algorithm development, and in-class exercises. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 5302. Foundations of Data Structures and Algorithm Design.
This course serves as a foundation course for computer science master's degree students who need reinforcement of fundamental concepts covered by CS 3358. May be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5303. Foundations of Computer Architecture.
This foundation course for CS master's degree students who need CS 3339 concept reinforcement covers fundamental hardware components. Topics include ALUs, single and multiple cycle datapath and control, RISC vs. CISC, pipelining, caches, I/O, virtual memory, and related performance issues. It may be repeated once and is non-graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5305. Foundations of Operating Systems.
This foundation course is for CS master's students who need CS 4328 fundamental concept reinforcement. It covers the principles of operating systems, algorithms for CPU scheduling, memory management, cooperating sequential processes and device management. It may be repeated once. This course does not earn graduate degree credit. Prerequisite: Instructor Approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 5306. Advanced Operating Systems.
A study of modern operating systems including network, distributed, or real-time systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5310. Network and Communication Systems.
A study of network and communication systems. Verification and/or implementation of protocols will be required. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5316. Data Mining.
This course covers fundamental concepts and techniques plus recent developments in data mining and information retrieval. It provides relevant research training and practice opportunities. May not be taken for credit if student received credit for CS 4315. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5318. Principles of Programming Languages.
This course focuses on the principles of programming languages. Topics covered include programming paradigms, concepts of programming languages, formal syntax and semantics, and language implementation issues. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5326. Advanced Studies in Human Factors of Computer Science.
Professional level presentation of techniques and research findings related to human-computer interactions. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5329. Algorithm Design and Analysis.
Introduction to algorithm design and analysis, computational complexity, NP – completeness theory. Prerequisites: CS 3358 and MATH 2472 and [MATH 3398 or MATH 5358] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5331. Crafting Compilers.
Overview of the internal structure of modern compilers. Research on compilation techniques. Topics include lexical scanning, parsing techniques, static type checking, code generation, dataflow analysis, storage management, and execution environments. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5332. Data Base Theory and Design.
Computer system organization for the management of data; data models, data model theory, optimization and normalization; integrity constraints; query languages; intelligent database systems. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5334. Advanced Internet Information Processing.
Integration of popular scripting languages (Perl, JavaScript, PHP, and other CGI capable languages) and database programming languages (embedded database programming languages, JavaServlets, and PHP) to provide advanced information processing for Internet applications that demand both database support and sophisticated, application specific information processing. Prerequisite: CS 4332 or CS 5332 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5335. Research in Object-Oriented System Development.
The course covers the object-oriented methodologies for system analysis, design, implementation, testing, and other aspects of system development. Emphasis will be on using OO methodologies to manage the complexity of complicated software. Other topics like modeling, OODB, and OO languages will also be covered. Prerequisites: CS 3358 and [CS 4332 or CS 5332] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5338. Formal Languages.
Advanced topics in automata theory, grammars, Turing machines, decidability, and algorithmic complexity. Prerequisites: CS 3358 and MATH 3398 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5341. Advanced Network Programming.
Study of advanced concepts and programming skills in computer networks such as advanced TCP/IP, API, multicasting and broadcasting, reliable communications, advanced I/O functions and options. Prerequisite: CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5343. Wireless Communications and Networks.
Study of the fundamental aspects of wireless communications and ireless/mobile networks, introduction of wireless/mobile networking APIs. Prerequisites: CS 3358 with a grade of "B" or better and CS 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5346. Advanced Artificial Intelligence.
Knowledge representation; knowledge engineering; parallel and distributed AI; heuristic searches; machine learning and intelligent databases; implementation of systems in high-level AI languages. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5351. Parallel Processing.
Introduction to the design and analysis of parallel algorithms, parallel architectures, and computers. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5352. Distributed Computing.
Study of advanced topics in distributed systems: concurrency control and failure recovery, management of replicated data, distributed consensus and fault tolerance, remote procedure calls, naming and security. Prerequisites: CS 3358 and CS 4328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5369B. Computer Vision.
This course covers the basic and recent topics in computer vision. Topics include classic computer vision features, object tracking and recognition, detection and segmentation, camera models, and image and video retrieval. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369G. Web Service Engineering.
Advanced concepts and techniques for enabling Web application integration and interaction using Semantic Web and Web services. Concepts and techniques include service discovery ontology (RDF, DAML-S), XML-based interactions standards (ebXML, RossettaNet) and Web Services (WSDL, SOAP, UDDI, BPEL). Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369J. Advanced Human Computer Interaction.
This course will cover state of the art human computer interaction topics such as perceptual compression, eye-gaze, and brain computer interfaces with emphasis on the human visual system, eye-tracking, and electroencephalography. Prerequisite: CS 3358 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369L. Machine Learning and Applications.
Provides broad introduction to machine learning, including learning theory, and recent topics like support vector machines and feature selection. Covers basic ideas, intuition, and understanding behind modern machine learning methods. Discusses applications like face recognition, text recognition, biometrics, bioinformatics, and multimedia retrieval. Prerequisite: CS 3358 grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CS 5369M. Software Evolution and Maintenance.
Software evolution and maintenance is one of the most important and complex activities in software engineering. Programmers rarely build software from scratch but often modify existing software to fix defects or add new features. This course studies the fundamentals of cutting-edge techniques and tools for software evolution and maintenance. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Q. Recommender Systems.
This course covers various concepts of recommender systems, including personalization algorithms, evaluation tools, and user experiences. Discussion of how recommender systems are deployed in business applications, design of new recommender experiences, and how to conduct and evaluate research in recommender systems. Cannot take for credit if already took CS 4379Q. Prerequisite: CS 3358 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5369Y. Green Computing.
Reducing mobile device, cloud computing platform, and supercomputer energy consumption is a paramount, daunting problem. This course covers state-of-the-art green computing research, including energy-efficient hardware and software design, power-aware resource management and storage solutions, green data centers and mobile computing. Cannot be taken for credit if received CS 4379Y credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 5375. Multimedia Computing.
A study of the digital representation and processing of major multimedia data types: image, audio, and video. Compression techniques for the three data types, standards, and storage media. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5376. Enterprise Application Integration.
Introduction to the integration of all services available on the Web. It emphasizes component-based integration frameworks based on J2EE specification (EJB, Servlets, JMS), inter-organization workflow integration frameworks, and XML framework. Students must have knowledge of object-oriented design, object-oriented programming language, databases, and networking. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5378. Advanced Computer Security.
This course covers various aspects of producing secure computer information systems that provide guaranteed controlled sharing. Emphasis is on software models and design, including discovery and prevention of computing systems security vulnerabilities. Current systems and methods are examined and critiqued. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5388. Advanced Computer Graphics.
A study of the algorithms and data structures used in representing and processing visual data. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5389. Graphical User Interfaces.
Covers both abstract and practical treatments of using graphics to implement interactive computer/human interfaces. Includes a survey of the major GUI standards and tools. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5391. Survey of Software Engineering.
A study of the software life cycle with emphasis on system analysis and design. Methodologies based on data flows and on objects will be surveyed. A component on professional ethics is included. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5392. Formal Methods in Software Engineering.
The use of design and specification languages in producing software systems. Emphasis is placed on proving correctness of designs and implementations. Prerequisites: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5393. Software Quality.
The latter half of the software life cycle is discussed. Topics include testing, performance evaluation, and software metrics. Appropriate software tools are studied and used. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5394. Advanced Software Engineering Project.
Students produce a software project of significant size in a team environment. All aspects of the software engineering course sequence are integrated and put into practice. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5395. Independent Study in Advanced Computer Science.
Open to graduate students on an independent basis by arrangement with the faculty member concerned. Course is not repeatable for credit. Prerequisite: CS 3358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5396. Advanced Software Engineering Processes and Methods.
The essentials of software engineering processes, methods, and tools for the evolutionary design of complex interactive software are discussed. Overviews of other topics like quality concepts, SEI CMM, information technology, and network technology are covered. Student completes a literature survey of the latest software engineering analysis and design processes, methods, and tools. Prerequisite: CS 5391 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in CS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 7100. Graduate Computer Science Internship.
This course provides advanced training supervised by computer scientists in internship programs approved by the department.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7199. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no-credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7299. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no-credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7300. Introduction to Research in Computer Science.
This credit/no credit course is designed to develop research and communication skills for Ph.D. students. Topics covered include research processes, research methods, ethics, conducting literature review, critiquing papers, preparing research proposals, faculty research presentations, and the software tools and platforms available for conducting applied computing research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CS 7308. Computer Science Studies.
This course provides foundations in computer science for students entering the doctoral program who may need certain background or leveling coursework. The course does not earn graduate degree credit. It is repeatable with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CS 7309. Professional Development of Doctoral Assistants.
This course is designed to equip the doctoral students with skills and an understanding of the proper procedures to be effective doctoral instructional and teaching assistants. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CS 7311. Data-Driven Computational Methods and Infrastructure.
This course covers computational and statistical methods for using large-scale data sets ('big data') to answer scientific and business questions. It focuses on framing research questions, understanding how data can answer them, and using modern software tools for scalable data storage, processing, and analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7312. Advanced Data Mining.
This course provides in-depth coverage of advanced data mining and information retrieval principles and techniques. It also offers extensive training and practice opportunities in frontier research directions. Prerequisite: CS 5316 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7313. Advanced Machine Learning and Pattern Recognition.
This course provides students advanced theoretical and practical skills to learn, design, implement, and apply machine learning and pattern recognition approaches. The students will gain analytical and problem-solving skills by studying machine learning and pattern recognition techniques and applying them to solve real problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7314. Bioinformatics.
This course introduces advanced algorithms for data-intensive computational analysis targeting biological applications such as drug response prediction, gene network analysis, and protein/RNA structure prediction. Main techniques include greedy search, linear regression, clustering, network analysis, expectation maximization, and Hidden Markov models, which are widely applicable beyond biological data. Prerequisite: CS 5329 or CS 5369L either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7321. Human Computer Interaction: Concepts, Models, and Methodologies.
This course provides an introduction to Human Computer Interaction (HCI) research, methods, and topics, including fundamentals of user interface and experimental design, usability, evaluation methods, software toolkits for interactive applications, graphics, visualization, mobile design, collaborative and social computing, biological factors, and human computation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7322. Human Factors and Ergonomics.
This course combines knowledge in the fields of intelligent user interfaces, human factors, ergonomics, and environmental psychology. Topics include HCI principles, human information processing, anthropometry, principles of eye tracking and their effects on human factors research, as well as operations of biometrics systems and human factors influencing those systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7323. Image Processing and Computer Vision.
Image Processing and Computer Vision are research areas with a variety of modern applications ranging from the analysis of images and videos to real-time processing of image streams coming from self-driving vehicles and robotic agents. This course will prepare students with advanced state of the art knowledge in those fields. Prerequisite: CS 5329 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7324. HCI Paradigms for Animation, Visualization, and Virtual/Augmented Reality.
This course introduces advanced methods for enhancing user experience and presents effective HCI models via computer graphics, imaging, animation, simulation, visualization, augmented reality, and immersive virtual reality. Additionally, the course presents related science and engineering foundations as well as graphic design, cognitive science, and perceptual psychology theories and models. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7331. High-Performance Computing.
This course covers the advanced design, analysis, and optimization of high-performance applications. Topics include high-performance computer architectures, including accelerators and systems-on-chip, performance modeling and benchmarking, data and control dependence analysis, data locality estimation, memory hierarchy management, techniques for exposing parallelism, and code transformations. Different workloads are studied. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7332. Advanced Parallel Computing.
This course covers advanced design of parallel algorithms, performance modeling, parallel hardware, language support for parallel programming, and programming models for shared- and distributed-memory systems ranging from handheld multicore devices to large-scale clusters and accelerators. The students will gain applied knowledge and skills by developing parallel software for multiple platforms. Prerequisite: CS 5351 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7333. Advanced Green Computing.
This course covers hardware and software techniques to improve the energy-efficiency of computing systems. Topics include best practices in building energy-efficient data centers and mobile devices, current trends in reducing the energy consumption of processors and storage components, energy-aware resource management, software optimizations, and hands-on experience on power-measurable systems. Prerequisite: CS 5351 and CS 5369Y both with grades of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7341. Cyberspace Security.
This course presents recent advances in methodologies, models, systems and applications of cyberspace security research. Topics include in-depth coverage of the state-of-the-art security technologies and research issues on information security, software security, network security, secure system design, secure programming, applied cryptography, vulnerability, and threats. Prerequisite: CS 5378 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7342. Advanced Computer Networking.
This course covers recent research ideas, methodologies and approaches in networking research. The course focuses on the development of protocols and the analysis of related algorithms. Topics include new network architectures, cloud computing, software defined networking, wireless systems, social networks, and security and privacy. Prerequisite: CS 5310 or CS 5343 either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7343. Mobile Networks and Computing.
This course provides an in-depth study of wireless mobile communication networks, wireless network measurements and modeling, channel assignments and coverage, wireless network protocols, mobile data management, wireless security, and various wireless network applications including ad hoc, sensor networks, delay-tolerant networks, and mobile social networks. Prerequisite: CS 5310 or CS 5343 either with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7351. Advanced Software Engineering.
Software engineering is the application of scientific methods to software development and maintenance. This course provides an in-depth study of advanced concepts and techniques of automatic software generation and analysis. Topics include software process programming, symbolic execution, model checking, property generation and checking, and runtime verification of complex software systems. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CS 7387. Research in Computer Science.
This course covers up-to-date research topics in computer science under the direction of a supervising professor. The course can be repeated once for additional credit with a different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7389A. Service Computing.
This course introduces concepts and principles for enabling the development of software as a service based on Service-Oriented Architecture (SOA), methodology of SOA systems development, the main technologies used in achieving SOA, and state of the art techniques and advances in emerging cloud and edge (Internet of Things) services. Prerequisite: CS 5329 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7389B. Advanced Software Evolution.
This topics course provides an in-depth study of state-of-the-art software evolution techniques and tools based on the current research literature. Software evolution has become increasingly important in software development. Software systems often evolve to fix defects, to improve performance, or to adapt to various other requirements. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7389C. Real-time Systems.
This course is to study issues related to the design and analysis of systems with real-time constraints. The problem of ensuring such constraints is ultimately a scheduling problem, so much attention is devoted to such problems. This course aims to provide a solid foundation for conducting research in real-time systems or related areas. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CS 7399. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7599. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7699. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CS 7999. Dissertation.
Original research and writing in computer science is to be accomplished under the direct supervision of the Ph.D. research advisor. While conducting dissertation research and writing, the student must be continuously enrolled each long semester. Graded on a credit (CR), progress (PR), no–credit (F) basis. Repeatable for credit. Prerequisite: Instructor approval.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Concrete Industry Management (CIM)

CIM 3330. Concrete Construction Methods.
This course covers forming, shoring, placing and reinforcing operations. Transporting, placing, consolidating, finishing, jointing and curing concrete for cast-in-place foundations, pavements, slabs on ground, structural frames, and other structural members are studied. Other topics include waterproofing concrete foundations and erecting precast concrete members. Corequisite: CIM 3420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIM 3340. Understanding the Concrete Construction System.
A detailed look at how the concrete construction industry works. The course includes a review of model building codes, building officials and their function, concrete industry codes and standards, concrete construction processes, quality assurance systems, contract documents, estimating, construction scheduling and concrete construction markets. Prerequisite: CIM 3420 and MATH 2328 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIM 3366. Applications of Concrete in Construction.
This course is a detailed study of the many uses of concrete in the construction of buildings, pavements and other facilities. Emphasis will be placed on the advantages, disadvantages, and unique problems faced by materials suppliers, contractors and design professionals when concrete is chosen for specific applications. Prerequisite: CIM 3330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIM 3420. Fundamentals of Concrete: Properties and Testing.
This course examines effects of concrete-making materials (aggregates, cements, admixtures, etc.) on the properties of fresh and hardened concrete. Concrete mixture proportioning calculations and statistical analysis of strength tests are also studied. Prerequisite: CHEM 1335 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CIM 4310. Senior Concrete Lab.
This course provides students with an opportunity to further develop their technical and laboratory knowledge and pursue a project of individual interest. A formal report/presentation will be required at the conclusion of the course. Prerequisites: CIM 3366 and CIM 3420 both with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CIM 4330. Management of Concrete Products – Ordering and Scheduling.
This course is designed to provide the student with a basic understanding of managing the ordering and delivery process common to all concrete products. Emphasis will be in planning, organizing and controlling at both the first-line supervisory and managerial levels. Prerequisites: CIM 3340 and MGT 3303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIM 4340. Concrete Problems: Diagnosis, Prevention and Dispute Resolution.
Course involves diagnosing/preventing problems related to concrete production, testing, construction and performance. Students learn to identify causes of fresh and hardened concrete problems, i.e. fast and slow setting, air content variations, low strength, cracking and scaling. Pre-job conferences and dispute resolution methods are examined. Prerequisite: CIM 3366 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CIM 4398. Capstone.
This course covers the business aspects of the concrete industry with appropriate application to the student's career interests and builds upon the technical and practical industry components learned in previous courses. The final project will be presented to an industry committee. (WI) Prerequisites: ACC 2362 with a grade of "D" or better and CIM 4330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CIM 4499. Capstone II.
A continuation of CIM 4398, students continue developing a business plan with emphasis on the technical aspects of the concrete industry, building upon previous coursework. The final presentation will be made to an industry panel. A portion of the course is a seminar with guest speakers from the concrete industry. Prerequisite: CIM 4398 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

Construction Science and Management (CSM)

CSM 1260. Introduction to the Construction and Concrete Industry.
This is an introductory course for Construction and Concrete Industry Management (CIM) majors. Residential, commercial, heavy, civil and highway construction is explored including the concrete industry. The role of the contractor, architect/engineer and owner are covered including contracts, careers, sustainability and economic importance of the construction industry.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 2160. Introduction to Construction Surveying and Site Layout.
Common construction surveying and site layout techniques are studied using both optical levels and total stations. Benchmarks, building lines, property lines, differential and profiling are discussed in lecture with applied exercises performed in the laboratory.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 2313. Architecture Design I - Construction Documents.
Students are introduced to the language and process of producing architectural construction documents in residential projects utilizing computers and CAD software. Site plans, floor plans, sections, elevations, and details are drawn individually and as a team as orthographic projection theory and its importance in resolving complex building geometry are covered.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 2342. Construction Materials and Processes.
This course will introduce students to various types of construction materials including ceramics, ferrous, non-ferrous, and organic materials used in construction. Their properties, working characteristics and processes used to manufacture and assemble these materials are studied. Laboratory activities are used to reinforce lecture material. Prerequisites: [PHYS 1115 and PHYS 1315] or PHYS 1410 or PHYS 1430 any with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 2360. Residential Construction I: Home Production.
This course deals with the process of constructing a home on an improved lot, including residential plan and specification interpretation, cost centers, profit and overhead, construction phases, subcontractor sequencing, materials, estimating, scheduling, building codes, permits and Mechanical, Electrical and Plumbing home requirements.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 3360. Structural Analysis.
This is a structural engineering fundamentals class to include design loads, reactions, force systems, functions of a structure, and both the analysis and design of determinate structures by classical and modern techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 3361. Commercial Building Construction Systems.
This is a commercial building construction systems class that deals with soils, site work, heavy foundations, steel, reinforced concrete and pre-cast structures along with common assemblies. Commercial MEP's are studied along with CSI master format, as-built and shop drawings, schedule of values, AIA documents and appropriate building codes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 3363. Heavy, Civil and Highway Construction Systems.
Selection, acquisition and capabilities of heavy construction equipment are presented. Applications of economics to performance characteristics and production of equipment is discussed. Sector-specific construction management methods are covered, including unit price estimating, equipment fleet design, repetitive scheduling and major components of highways, bridges and engineered facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 3366. Soils and Foundations.
Properties of subsurface materials and the principles of subsurface construction are studied. Topics include soil classification and testing, soil mechanics and foundation systems, including site layout, excavation, caissons, piles, slurry wall, slab and spread footings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 3367. Mechanical, Electrical and Plumbing Systems.
This course covers typical Mechanical, Electrical and Plumbing (MEPs) systems found in residential and commercial construction along with design and installation methods used to conserve both energy and water in new and remodeled structures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 3368. Construction Finance.
This course provides an introduction to financial analysis and financing of construction-related companies and projects. Topics include analysis of financial statements, contractor payment methods, construction loans, and project cost controls. Prerequisite: MATH 2328 and [ACC 2301 or ACC 2362] and [CIM 3340 or CSM 4364] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 3369. Residential Construction II: Business Practices.
This course will prepare students in the business practices used by residential land developers and home-builders. Technical skills are applied to the work process inside conventional home-building departments and how those collaborating departments and co-workers operate to become an efficient and sustainable new home-building company. Prerequisite: CSM 2360 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 4313. Architectural Design II - Technology in Construction.
Students create individual and group commercial projects which include plans, elevations, sections, details, and 3D drawings utilizing 3D building information modeling (BIM) and other current technologies used in the industry. Structural, mechanical, electrical, plumbing, accessibility, and sustainable building issues are discussed. Prerequisite: CSM 2313 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 4360. Senior Construction Management Capstone.
Students work in groups, preparing a bid proposal based on a real life construction project involving contract negotiations, construction documents interpretation, estimating, bidding, scheduling, safety and quality control plans. Emphasis is on developing leadership, team building, written and oral communication skills. AIC Level 1 Examination required for course completion. Prerequisites: CSM 4313 and CSM 4361 and CSM 4364 and CSM 4369 and TECH 2190 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 4361. Construction Estimating.
The fundamentals of construction estimating are covered including feasibility, conceptual, square feet, cubic feet, unit in place, preliminary, engineering, range and contractor's detail bid estimates. Plans and specifications are used along with contemporary estimating software to develop estimates commonly used in the construction industry. Prerequisite: CSM 3361 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 4364. Construction Project Management and Scheduling.
Concepts of construction management are studied beginning with contract documents through the effective management of manpower, machines, material and money necessary to complete construction projects on time and within budget. Gantt Charts and PERT/CPM schedules are developed, using contemporary software. Corequisite: CSM 4361 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CSM 4368. Environmentally Conscious Design and Construction.
This course covers environmentally sustainable practices used in building design and construction. THE LEED system will be used to guide the course, which covers aspects of sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality and the CAD design process. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

CSM 4369. Construction Contracts, Liability and Ethics.
Legal aspects of design and construction contract documents are presented, including contract formation, interpretation, rights and duties and changes. Legal liabilities are explored in the context of professional ethics for design firms and constructors. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CSM 4370. Residential Capstone.
This is an advanced course in residential construction related to developing communities and building homes. Students work in groups to develop proposals to select and develop raw land into build-able lots, design and schedule site specific homes, and develop a marketing plan. AIC Level 1 Examination required. Prerequisite: CSM 3369 and CSM 4313 and CSM 4364 and CSM 4369 all with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 4380. Construction Safety.
This course covers construction and concrete industry safety-related topics, including state and federal construction safety laws, the application of the Occupational Safety and Health Administration (OSHA) and Mining Occupational Safety Administration (MOSA) requirements, and writing safety plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CSM 5302. Fundamentals of Construction Contracts and Liability Issues.
This course introduces students to the legal aspects of design and construction contract documents, including dispute resolution methods and professional ethics commonly used in the construction industry. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5304. Fundamentals of Construction Estimating.
This course provides the student with a comprehensive introduction to the principles, techniques, technologies, and basic concepts involving methodologies and strategies used in the preparation of various types of construction estimates and bids. This course does not count as degree credit.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5306. Fundamentals of Commercial Building Construction Systems.
This course is a commercial building construction systems class dealing with soils, site work, heavy foundations, steel, reinforced concrete, pre-cast structures and common assemblies. Commercial MEPs are studied along with CSI master format, as-built/shop drawings, schedule of values, AIA documents, and appropriate building codes. This course does not earn graduate degree credit.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CSM 5313. Building Information Modeling.
This course covers understanding the supervisory role of construction professionals in the design process including, directing a design team in the integration of construction documents for commercial buildings, coordination of site work, structural, architectural, mechanical, electrical, plumbing plans and contemporary CAD software for 2D& 3D design including Building Information Modeling. Prerequisite: CSM 2313 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 5360. Construction Company Financial Control.
Financial accounting and cost controls used at the company level in construction companies are studied. Topics include accounting systems, construction project profit calculations, and financial analysis. Prerequisites: CSM 5302 and CSM 5304 and CSM 5306 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CSM 5362. Construction Contract Delivery Systems.
The course will introduce students to designer/contractor interactions, including conceptual estimating and scheduling, the RFQ/RFP process and legal, insurance, risk allocation issues, along with procurement and selection. Prerequisites: CSM 5302 and CSM 5304 and CSM 5306 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Consumer Affairs (CA)

CA 1341. Consumers in the Marketplace.
This course is an introduction to consumerism. Topics covered include: the consumer's role in the economy; consumer responses to the pressures of the economy (credit, inflation, and savings); and an analysis of the largest consumer expenditures (housing, food, and transportation).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ECON 1303

CA 1347. Family and Personal Resource Management.
This course focuses on the analysis of family and personal management processes including resource identification and factors that impact managment and decision making. Contemporary issues in the field such as changing family roles, one-parent families, aging, the handicapped, low income families, one-person family and alternate lifestyles will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 2341. Digital Applications in Consumer Finance.
This course provides students with an understanding of technology applications used to analyze consumer's financial situation, needs, and goals. Topics include constructing personal financial statements; cash flow; time value of money related to education, retirement, life insurance; and amortization. Students will use calculators, Microsoft Excel and personal financial planning software. Prerequisite: CA 1341 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 3341. Personal and Family Finance Goals and Strategies.
In this course students will examine personal/family financial management during different stages of the family life cycle. Topics include budgeting/recordkeeping to achieve economic goals, the role of credit and the need for financial counseling; economic risks and available protection; and alternative forms of saving and investments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 3342. Consumer Law.
This course explores the relationship between consumer laws (federal and state) and policy. Topics include consumer protection legislation which defines the consumer's rights/responsibilities and the appropriate avenues of redress on the part of the consumer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 3351. Consumer Financial Management I.
Principles and practices of individual and family financial management relating to insurance needs and selection, investment strategies to realize financial goals and income tax planning to improve financial well-being will be addressed. Technical skills required of financial couselors, planners and human resource management are emphasized. Prerequisites: CA 2341 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 3352. Consumer Financial Management II.
Principles and practices of individual and family financial management relating to retirement and estate planning to improve financial well-being will be presented. Technical skills required of financial counselors, planners and human resource management will be emphasized. Prerequisites: CA 2341 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 4301. Internship in Consumer Affairs.
This course is an Internship program in Consumer Affairs related professions, services, business, or industry. Must meet college, department and program requirements. Repeatable for credit with different emphasis. (Capstone Course).
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CA 4341. Personal and Family Financial Counseling.
This course is an in-depth study of the role of the financial counselor. Topics covered will increase awareness and knowledge of the characteristics of persons with financial difficulties, complexity of factors affecting such situations, desireable relationships between the helper and helped, and an awareness of community resources. Prerequisite: CA 1341 and [CA 1347 or CA 3341 or CA 3351 or CA 3352] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 4342. Personal and Family Financial Counseling Practicum.
This course focuses on applying financial counseling and consulting skills consistent with accepting financial counselor roles. Content includes theoretical models of financial counseling. Prerequisite: CA 4341 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CA 4391. Independent Study in Consumer Affairs.
This course involves independent reading and/or research on a specific topic related to students' primary area of interest. Work may consist of research, reviews, and integration of existing literature, or other appropriate independent work. Course may be repeated once for credit with approval of instructor.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Counseling (COUN)

COUN 3320. Introduction to Counseling and Psychotherapy.
The course is designed for upper-division undergraduates considering a helping profession or who wish to know more about counseling before entering into graduate study. The course offers introduction to counseling, counseling theories, and interpersonal communication skills that facilitate counseling relationships. Repeatable for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

COUN 5178. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated twice for additional credit at the discretion of the department chair.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5301. Professional Counseling Orientation.
This course is presented as a basis for future counselors to understand community counseling agencies, standards of preparation, and the role identity of persons providing direct counseling treatment interventions. This course includes information on the licensure process, professional organizations, ethical and legal aspects of practice, advocacy processes, and theoretical/applied information.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5305. Assessment in Counseling.
Problems and principles of administration, scoring and interpreting group and individually administered tests; utilization of test data for diagnostic, placement, predictive, and evaluative purposes; elementary statistical procedures; laboratory activities in test administration, scoring, and interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5307. Theories of Counseling and Personality.
This course surveys systematically derived theories of counseling and personality from their origins in social discourse, philosophy, and psychology to the present time. Each theorist is presented biographically and the theory considered with regard to its clinical, cultural, and ethical relevance and application to diverse populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5316. Counseling Diverse Populations.
This seminar is designed to sensitize students to the roles societal power disparities, therapist's racial identity and awareness, and client racial/cultural identity play in counseling persons of diverse backgrounds. The dynamics of counseling clients who are African-American, Asian-American, female, gay/lesbian, Latino/a, Native-American, and persons with disabilities, will be examined. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

COUN 5328. Professional Orientation in School Counseling: Leadership, Advocacy, and Accountability.
Orientation to identity and role of professional school counselors, and introduction to the study of comprehensive developmental guidance programs. Course reflects the Texas and ASCA Models with related standards. Topics include: program planning, implementation, and evaluation; use of data and accountability; leadership role; and ethical and legal practices in schools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5330. Assessment Applications in Child & Adolescent Counseling.
This course emphasizes a hands-on approach to the assessments most frequently used by school counselors and child and adolescent counselors. Topics include assessment measures, statistical and research concepts, program evaluation and interpretation. Implications for counseling are also addressed. Prerequisites: COUN 5328 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5338. Advanced Issues in School Counseling: Counseling, Consultation, and Coordination of Services.
Course covers advanced topics in counseling children and adolescents in schools. Emphasis will be placed on developmentally appropriate preventative and responsive counseling services. Consultation and collaboration with parents, school personnel, and community partners, as well as contextual issues in school counseling, will be addressed. Prerequisites: COUN 5316 and COUN 5328 and COUN 5368 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5340. Loss and Grief Recovery Counseling.
An in-depth study of loss and its aftermath, grief. Emphasis is given to the counseling literature, loss and grief in the arts, personal loss experience, and particular counseling interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5344. Substance Abuse and Counseling: An Introduction.
This course focuses on chemical dependency across counseling settings, including school, agency, and private practice. This course includes theoretical and applied information on causative factors, assessment, and treatment strategies across a variety of settings and populations via didactic and experimental coursework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5345. Psychodrama Methods.
The course is both didactic and experimental. It provides a history of therapeutic drama beginning with the Greek theater of Dionysus. The work of J.L. Moreno is presented and the basic tenets of the theory studied. Students then engage in creating, producing, and acting out actual psychodramatic productions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5346. Filial Therapy.
Theoretical and practical application of the filial model will be addressed as well as techniques in training parents in the overall principles and methodology of child-centered play therapy. Corequisite: COUN 5389 or COUN 5689 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5350. Advanced Counselor Ethics.
This course focuses on ethical standards of professional counseling organizations and credentialing bodies, and applications of ethical and legal considerations in professional counseling settings. Emphasis is placed on national and current state board rules, records management, strategies for personal and professional self-evaluation, implications for practice, and client and professional advocacy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5351. Current Issues in Marriage, Couple and Family Therapy.
This course provides students with information regarding special issues in marital, couple and family counseling, including: grief and loss; domestic violence; substance abuse in the family; lesbian, gay, bisexual, and transgender issues; divorce; and re-parenting. Prerequisite: COUN 5316 with a grade of "B" or better and COUN 5367 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5354. Basic Counseling Skills and Abnormal Behavior.
This course is designed to introduce the student to basic counseling skills via role-play and videotape. The course also provides a general model for assessing abnormal behavior of clients and effective skills to elicit identifying behavior. Prerequisites: COUN 5307 and COUN 5350 and [COUN 5301 or COUN 5328] all with grades of "C" or better. Corequisite: COUN 5328.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5355. Career Counseling.
Career choice and development are considered as critical aspects of persons in material cultures where occupation is a major component of one's identity. Career concerns often addressed in counseling are presented and discussed along with the area of vocational guidance, occupational information, and preference inventories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5358. Dynamics & Processes in Group Counseling.
Students will develop knowledge and skills in the basic principles of the dynamics that are characteristic of therapeutic groups. This course is an academic and clinical experience requiring highly active student participation in the form of honest, direct, and open communication combined with authentic self-exploration within the group setting. Corequisite: COUN 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5359. Psychopathology in Clinical Mental Health Counseling.
This course explores the principles of dysfunction in human behavior and systemic organization. This course includes diagnostic, preventive, and remedial methods and interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5360. Intermediate Methods in Marital, Couple and Family Counseling.
Marital, couple, and family theory and techniques are discussed, selected, applied, and refined through lecture and supervised clinical practice. Specific skills include joining, diagnosis, goal formulation, treatment planning, termination, referral, and record keeping. Graded on a credit (CR), no credit (F) basis. Prerequisites: COUN 5316 and COUN 5359 and COUN 5367 and COUN 5369 all with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5362. Practicum in Professional Supervision: Theories and Applications.
Provides experience in supervising practicum or intern students and integrating the theoretical foundations and current issues of professional supervision. Emphasis includes ethical, multicultural, gender, age, and lifestyle concerns in supervisory relationships, and academic requirements for supervisory status for Texas Licensed Professional Counselor and Licensed Specialist in School Psychology credentials. Course can be repeated once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5366. Intermediate Methods in Adult Counseling.
Counseling theories and techniques are discussed, selected, applied and refined through lecture and supervised practice. Specific skills include initiating the helping relationship process, diagnosis, goal formulation, treatment planning, termination, referral, and record keeping. Prerequisites: COUN 5316 and COUN 5354 and COUN 5359 all with grades of "B" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5367. Marital and Family Counseling: Current Theories.
This course is designed to examine the principles of communication and the goals of marital, couple and family counseling. Selected theories, approaches and techniques used in marital, couple and family counseling will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5368. Developmental Issues in Counseling Children, Adolescents, and Adults.
Emphasis will be on understanding the interactions between the developmental needs of each of these age groups and counseling techniques and procedures used to deliver mental health services to each of these groups.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5369. Child and Adolescent Counseling Methods.
Course focus is an overview of counseling interventions with children and adolescents in agency, school, and private practice. Group, individual, and systems techniques will be covered. Assessment of child psychopathology and techniques for consulting with parents will be included. Prerequisites: COUN 5354 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5370. Intermediate Methods in Counseling Adolescents.
This course will provide an overview of the physical, social, psychological, and behavioral characteristics of the adolescent. This course has a supervised practice experience. Emphasis will be placed on counseling interventions utilizing current research. Prerequisites: COUN 5316 and COUN 5359 and COUN 5369 all with grades of "B" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5372. Assessment and Treatment in Marriage and Family Counseling.
This course addresses the assessment of individual, couple, and family functioning and the planning and implementation of marital, couple and family treatment methods. Prerequisite: COUN 5367 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5373. Intermediate Methods in Play Therapy.
This course explores the philosophical basis for play therapy, the history of play therapy, theoretical applications, techniques, stages, ethical issues, and application to a variety of populations and diagnostic categories. Prerequisite: COUN 5316, COUN 5354, COUN 5359 and COUN 5369.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5375. Intermediate Methods in School Counseling.
This course emphasizes the skills needed to work with school aged children (Pre-K - 12). Students will learn counseling interventions specific to school aged children, and they will work with one student over the course of the semester. In addition, students will lead one group outside of the class in order to receive full credit for the course. Prerequisites: COUN 5328 and COUN 5368 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5378. Problems in Counseling.
Individual problems not related to thesis. Designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5380. Introduction to Animal-Assisted Counseling.
Animal-assisted counseling (AAC) is a goal-directed process in which a trained therapy animal works in partnership with a counselor to help clients resolve psychosocial challenges and achieve growth. This course will provide an introduction to the AAC field, the human-animal bond, evidence-based research in AAC, and positive training approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5381. Sandtray Therapy Methods.
This course provides students with the philosophical basis for sandtray therapy as a therapeutic intervention for children and families, including a review of its history, applications, techniques, stages, and ethical issues. Didactic and experiential methods are used. Prerequisite: COUN 5369 with a grade of "C" or better. Co-requisite: COUN 5389 or COUN 5689 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5389. Site-Based Internship.
An on-site practicum-internship occurring in a school or agency setting with supervision by on-site and university supervisors. May be repeated based on the recommendation of the counseling faculty. Prerequisites: COUN 5689 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

COUN 5391. Research Methods.
This course provides an understanding of research methods and design, statistical analysis, needs assessment, and program evaluation relevant to the field of professional counseling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5394. Counseling Women.
This elective course involves student exploration of gender in historical, social, and global contexts with emphasis on counseling approaches and interventions specific to the concerns of women and girls. Topics include gender development, gender socialization, sexuality, career and family, violence against women, body image concerns, and overall women's mental health.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

COUN 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in COUN 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

COUN 5689. Clinical Practicum.
This practicum involves providing supervised counseling services to clients in university-affiliated counseling clinics, and a staffing seminar. It may be taken up to three times (18 credit hours) based on the recommendation of the counseling faculty. Prerequisites: Instructor approval.
6 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

COUN 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Criminal Justice (CJ)

CJ 1310. Introduction to Criminal Justice.
History and philosophy of criminal justice: ethical considerations, crime defined, overview of criminal justice system, law enforcement, court system, prosecution and defense, trial process, and corrections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CRIJ 1301

CJ 2310. Police Systems and Practices.
Police profession: organization of law enforcement systems, the police role, police discretion, ethics, police-community interaction, and current and future issues. Prerequisite: CJ 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CRIJ 2328

CJ 2350. The Courts and Criminal Procedure.
Judiciary in the criminal justice system: structure of American court system, prosecution, right to counsel, pre-trial release, grand juries, adjudication process, types and rules of evidence, and sentencing. Prerequisite: CJ 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CRIJ 1306

CJ 2355. Correctional Systems and Practices.
Corrections in the criminal justice system: organization of correctional systems, correctional role, institutional operations, alternatives to institutionalization, treatment and rehabilitation, and current and future issues. Prerequisite: CJ 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CRIJ 2313

CJ 2360. Fundamentals of Criminal Law.
A study of the nature of criminal law: philosophy and historical developments, major definitions and concepts, classification of crime, elements of crimes and penalties using Texas Statutes as illustrations, and justifications of and defenses to criminal responsibility.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: CRIJ 1310

CJ 3300. Juvenile Justice.
A study of the juvenile justice process to include both the specialized juvenile law and the role of the courts, police and corrections in juvenile justice. Prerequisite: CJ 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 3322. Race, Ethnicity and Criminal Justice.
This course examines the relationship between race/ethnicity and the criminal justice system. Theories of race/ethnicity and crime, the criminal justice system, and social systems including media, politics and economics are examined to form a comprehensive understanding of the social construction of race as it pertains to a racially disproportionate system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 3323. Mid-Level Management in Criminal Justice Agencies.
Introduction and overview of the organizational theories of classical behavioral, and systems management concepts. Included in the course content are analyses of the functions of management in modern CJ organizations, internal and external environmental factors, individual & group dynamics, motivation, and leadership styles. Prerequisite: CJ 2310 or CJ 2355 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 3325. Penology.
Role of the institution in the process of corrections including the philosophy of imprisonment, the inmate subculture and special problems and programs in institutions. Prerequisite: CJ 2355 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 3329. Forensic Evidence.
Investigator's role in collecting, preparing and presenting evidence in criminal trials. Special attention will be given to electronic evidence in addition to traditional physical evidence. Prerequisites: CJ 2350 and CJ 2360 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 3346. Research in Criminal Justice.
Analysis of criminal justice research, survey methods, and the utilization of research in criminal justice. (WI) Prerequisites: CJ 1310 and [CIS 1323 or CS 1308] and [CJ 3347 or MATH 2328 or PSY 2301 or SOCI 3307] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CJ 3347. Statistics For Criminal Justice.
The theory and application of statistical inferential techniques, and correlation and regression for behavioral science data and its applications in Criminal Justice. Emphasis is on the collection, analysis, and interpretation of statistical data in criminal justice settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4301. Internship I.
Field service training in public and private criminal justice agencies at the federal, state and local levels. The internship is designed to provide actual work experience, observation, and analysis in the student's chosen career field. (WI) Prerequisite: CJ 2310 and CJ 2350 and CJ 2355 and CJ 2360 and CJ 3346 and minimum 2.25 Texas State GPA and minimum 2.5 Major GPA.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Credit/No Credit

CJ 4302. Internship II.
Field service training in public and private criminal justice agencies at the federal, state and local levels. The internship is designed to provide actual work experience, observation, and analysis in the student's chosen career field. (WI) Prerequisite: CJ 2310 and CJ 2350 and CJ 2355 and CJ 2360 and CJ 3346 and minimum 2.25 Texas State GPA and minimum 2.50 Major GPA.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Credit/No Credit

CJ 4309G. Media and Crime.
This course focuses on media's role in social control of society by exploring public understanding of the problems associated with crime and their solutions through a critical examination of the relationships between the media, the criminal justice system, and crime in the larger context of society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 4309H. Wrongful Convictions.
This course examines factors contributing to wrongful convictions and the criminal justice system's response from an interdisciplinary perspective using research from the disciplines of law, criminology, and cognitive and social psychology as a foundation for examining how wrongful convictions occur and might be prevented in the future.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 4309I. The Death Penalty in the United States.
This course examines the contemporary controversies that surround the death penalty, including its administration, modes of execution, disparities in application, deterrent effect, related social/economic costs, impact on international relations, and the potential for miscarriages of justice. The history of the death penalty, including Supreme Court developments, will also be reviewed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 4309J. Sexual Offenders and Sexual Offenses.
This course examines the social and individual mechanisms responsible for the onset, persistence, and desistance of sexual offending using a criminological perspective. The current state of sex offender risk assessment, treatment, as well as policing and legal responses to this type of crime, are also addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 4309K. Intelligence Analysis.
This course provides an overview of the importance of intelligence gathering in the global and domestic war on terrorism, and critically examines issues involved with the gathering of intelligence, techniques for the gathering of intelligence, methods of collecting, collating, analyzing and disseminating intelligence, and a review of current terrorist threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 4310. Special Problems in the Criminal Justice System.
A study of contemporary problems in administration, management, organization and operation of criminal justice agencies. (Capstone Course). (WI) Prerequisites: CJ 2310 and CJ 2350 and CJ 2355 and CJ 2360 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CJ 4314. Terrorism in the United States.
Terrorist groups operating in the U.S. are examined with special emphasis on the far-right (militia, Christian identity, neo-nazi, other racist groups). Analyzed are their belief systems and structures, organizational structure, tactics and targets, and weapons. Future trends are discussed, including the threat posed by nuclear, biological, and chemical terrorism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4316. Treatment in Community and Institutional Corrections.
A study of community based programs for adult and juvenile offenders, treatment modalities in various correctional settings, administration, legal issues, and future trends associated with community-based and institutional based treatment. Prerequisite: CJ 3325 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4321. Occupational Crime.
A study of the problems of organized and upper social status criminal activities with emphasis on statutes and their application to fraud, embezzlement, deceptive trade practices and illegal trade practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4323. Special Operation Units in Law Enforcement and Corrections.
This course introduces students to the basic principles of Special Operations Units (SOUs) within criminal justice agencies. Topics include the necessity for such units, the changing nature of communities and policing in America, the principles of crisis management, the development/implementation of SOUs, selection/training/ operationalizing of personnel, and types of SOUs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4326. Women and Criminal Justice.
This course is designed to explore women's involvement in three primary areas of criminal justice-as victims, criminals and practitioners employed in criminal justice agencies. It will analyze the impact of sex and gender on such things as criminological theory, sentencing, prison subcultures victimization and career choices. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

CJ 4327. Ethics of Social Control.
This course is designed to explore moral decision making. Basic moral or ethical frameworks are applied to ethical decision which often need to be made in the criminal justice system. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CJ 4329. Organized Crime.
Survey of organized crime in contemporary society. Includes attention to crime types and methods, motivation, affiliations, and the effects of this type of criminality. Related legal and law enforcement perspectives will be covered, along with international and cyberspace issues. Prerequisite: CJ 1310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4330. Cybercrime.
This course introduces students to the concepts, technologies, techniques and legal and ethical issues associated with cybercrime, security, and computer forensics. Students will gain knowledge regarding development of national and international computer crime law, crimes unique to computer environments, and traditional crime involving computers and the Internet.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4331. Serial Murder.
This course covers the phenomenon of serial murder and the police investigative response. Theories, concepts, and law enforcement analytic methods are covered in detail. Emphasis is placed on understanding the reality versus the myth of serial murder, serial killers, and criminal profiling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4332. Advanced Criminal Justice Management.
A critical analysis of the nature of organizations within the criminal justice system. An analysis of theories of organizations and of organizational changes within law enforcement agencies. An examination of the quantitative data gathered by the Criminal Justice System and its effective use and presentation. Prerequisite: CJ 2310 or CJ 2355 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4335. The Psychology of Antisocial Behavior.
This course examines how psychological perspectives are used to explain antisocial behavior, by drawing on the intersection between theory and research in the following areas of psychology: developmental, child psychopathology, biological, personality, cognitive, and social.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 4340. Crime Theory and Victimization.
Examination of the causes of crime and crime victimization and competing explanations for crime and the impact of crime on crime victims. This course draws on perspectives advanced by a number of diverse fields of inquiry, for example, biology, psychology, sociology, and the political and economic sciences. (WI) Prerequisite: CJ 3300 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CJ 4350. Contemporary Legal Issues in Law Enforcement.
An in-depth study of recent developments in criminal law and procedure. Their effects upon the criminal justice agency official in society will be given special attention. Includes specific case studies with emphasis on analyzing factual situations and legal issues. (WI) Prerequisite: CJ 2310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CJ 4352. Contemporary Legal Issues in Corrections.
A study of the developing body of law defining the rights and duties of persons confined in penal institutions with equal emphasis on legal issues associated with probationers, parolees, and similar status's within the corrections branch of the criminal justice system. (WI) Prerequisite: CJ 2355 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CJ 4362. Readings in Criminal Justice.
An individualized readings course tailored to the academic and professional interests and needs of the student. Emphasis is placed on developing in-depth knowledge of selected criminal justice subjects through directed research. Repeatable for credit with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CJ 4363. Independent Studies in Criminal Justice.
Independent study and research on topics in criminal justice related to a student's primary area of interest. Work may include individual research, critical reviews or integration of existing body of knowledge. Course may be repeated with different emphasis once for credit with approval of department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CJ 4365. Comparative Criminal Justice.
A survey of the organizational, administrative and philosophical principles of criminal justice systems around the world. (WI) Prerequisite: CJ 2310 or CJ 2355 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CJ 5101. Graduate Assistant Supervision.
Prepares graduate student teaching and instructional assistants to perform effectively in diverse instructional settings and in their assigned instructional support roles. The course provides for regular and planned opportunities for continuing evaluation of instructional and assistive responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CJ 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5300. Foundation Studies in Criminal Justice.
This course is designed for students who do not have a sufficient background in the foundations of criminal justice studies. Coursework will vary depending on the student's prior academic history. This course does not earn graduate degree credit. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

CJ 5310. Administration of Justice.
Introduction to the study of crime; explanations of criminal behavior; typologies of criminal behavior; the criminal justice system; and social reaction to crime and the criminal justice system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5311. Administrative Law in Criminal Justice.
Legal principles and doctrines applicable to state and federal criminal justice agencies delegated quasi-legislative and quasi-judicial authority by legislatures are studied and evaluated in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5315. Advanced Research Methods in Criminal Justice.
The study of scientific research methods as used in the criminal justice system to include a review and critique of research on crime causation, law enforcement, courts, and corrections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5320. History and Philosophy of Justice.
An exploration of historical approaches to social control of nonconforming behavior. The principal contributions of architects and theorists of systems of social justice are examined with emphasis on major Western European schools of thought. Special emphasis given to the development of the scientific method and its role in the contemporary system of justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5321. Current Legal Issues in Criminal Justice.
Case law and legislation, both state and federal, which have contemporary impact on practices and policies of criminal justice agencies will be examined in this course. Topics may vary to include such matters as civil rights liability, substance abuse and the law, juvenile crime, organized crime, tactics of enforcement, unionization, and other legal issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5322. Police in Society.
This course provides an in-depth assessment of policing and the various types of community crime control. Core topics include the history of police, organizational and individual police discretion, police culture, use of force, minorities and the police, community oriented policing, and police problem-solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5323. Special Operation Units.
A course designed to acquaint students with basic principles of Special Operation Units (SOUs) within law enforcement, including the necessity for such units in the changing nature of policing communities. The principles of crisis management, the development of SOUs, selection/training/operationalizing of personnel and other strategic planning issues are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5324. Investigations.
This course explores issues related to investigations. Topics covered include the history and state of investigations, investigative theory, interviewing, interrogation, polygraph, geographic profiling, serial crimes, and investigative failures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5325. Statistics for Criminal Justice.
The study of basic and advanced descriptive and inferential statistics, with an emphasis on applications in the criminal justice system will be taught. Focus will be given to various multivariate statistical procedures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5330. Management Principles in Criminal Justice.
The study of behavior in complex bureaucratic or administrative organizations with an emphasis on organizational behavior, group processes, and the managerial function. Concepts and practices of managing criminal justice agencies within the United States will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5335. Advanced Crime Theory.
This course will develop and apply analytical skills surrounding a wide range of theoretical concepts, assumptions, propositions, and variables aimed at explaining crime-related outcomes. In the process, students will learn how social scientists empirically (i.e., quantitatively and qualitatively) access theory and how theory influences public policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5340. Personnel Practices in Criminal Justice.
The study of personnel decisionmaking within the criminal justice agency. Topics emphasized will include recruitment and selection, promotion, training, performance evaluation, and human resource allocation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5350. Current Issues in Criminal Justice.
An in-depth presentation and discussion of vital contemporary issues in criminal justice, including research, process, procedure, and substance. General issues addressed remain constant and specific emphasis will vary depending on changes in contemporary issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5355. Intelligence Gathering and Operational Issues As Applied to Terrorism and Counterterrorism Operation.
This course provides an overview of the importance of intelligence gathering in the global and domestic war of terrorism, and critically examines issues involved with the gathering of intelligence, techniques for the gathering of intelligence, methods of collecting, collating, analyzing and disseminating intelligence, and a review of current terrorist threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5360. Independent Studies in Criminal Justice.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of Criminal Justice. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5370. Professional Paper.
Students in the non-thesis option will complete their professional paper while enrolled in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 5380A. Ethics and the Criminal Justice System.
This special topics course will explore ethical issues that are faced by criminal justice professionals, basic ethical systems, and applications to dilemmas of criminal justice professionals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380C. Drugs in Society.
This special topics course will explore issues related to the "War on Drugs." Topics covered include theories of addiction, legal and philosophical issues of government response to drug use, and treatment strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380F. Police Problem-Solving Practicum.
This course applies contemporary police problem-solving tools and techniques (including SARA, COMPSTAT, crime mapping, intelligence led policing and computer enhanced problem solving) to real world problems with practicum problems derived from situations commonly facing police practitioners such as common law enforcement "problems" such as noise abatement, property offenses and traffic violations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380H. Police Problem Solving Methodologies.
This course addresses police problem solving methodologies. The course covers the history, state, and theory of police problem solving. Emphasis is placed on using problem solving methodologies to address real issues facing the community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380I. Race, Class, and Crime.
This course addresses issues related to racial/ethnic minorities, socioeconomic status, crime trends, perceptions of crime and criminal behaviors. The social/historical constructions of race and class are covered as well as their intersectionality within the criminal justice system. Topics include racial/ethnic and socioeconomic disparities in offending, victimization, law enforcement and sentencing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380J. Sex Offender and the Criminal Justice System.
This course explores sex offenders and the criminal justice system and the issues faced by criminal justice professionals. Recent trends in assessment tools, treatment approaches, and legal responses to sex offenders are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380L. Geospatial Intelligence and Geographic Profiling.
This course addresses the use of geospatial intelligence and geographic profiling in the military and intelligence environments. The course covers the theory, concepts, methods, and analysis of human geographic information. Emphasis is placed on understanding how geospatial knowledge can inform decision making and action plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380M. Crime Analysis.
This course teaches students step by step how to evaluate and synthesize local crime data and present it to others. It helps students identify local crime trends and cycles, develop usable crime maps, and to think of practical local police responses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 5380N. Applied Research Practicum.
This course provides structured assistance to students who are preparing for significant independent research projects (i.e. Thesis, Professional Paper) by exposing them to the organizational tools, processes and techniques used by productive scholars. Ideally, students should expect to complete a viable research prospectus by the end of the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Credit/No Credit

CJ 5380P. Quantitative Data Analysis.
This course provides an introduction to quantitative data analysis. For the purposes of research and exploratory data analysis, topics include data construction and cleaning, variable coding, descriptive and inferential statistics, summary measures, and visual presentations of data. This course makes extensive use of statistical software.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5380Q. Qualitative Research Methods and Data Analysis.
This course provides students with a detailed and participatory introduction to the principles and use of common qualitative methods and data analysis used in social science research with a particular focus on the field of criminal justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5380R. Criminal Justice Policy.
This course covers contemporary public policies designed to prevent and reduce crime and criminal offending. There is also an emphasis on different levels of evaluation that should be used to address specific criminal justice issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5380S. Criminal Justice Leadership.
This course provides an examination and critical analysis of the important theories, concepts, and current issues relevant to the field of public leadership in general, and criminal justice agency leadership in particular.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 5399A. Thesis.
This course represents a student's initial thesis enrollment. Credit is not awarded until student has completed the thesis in Criminal Justice 5399B.
3 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 7199. Dissertation.
Original research and writing in criminal justice to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester for at least three dissertation hours.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 7299. Dissertation.
Original research and writing in criminal justice to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester for at least three dissertation hours.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 7301. Instructional Assistant Supervision.
This course prepares doctoral students employed as research or teaching assistants to perform effectively in diverse instructional settings. The course provides for regular and planned opportunities for continuing evaluation of students. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CJ 7309. Proseminar.
This course introduces students to information that is useful to their success as Ph.D. students and after graduation. Topics include the criminal justice discipline, teaching, publishing, grants and fellowships, writing dissertations, and post-doctoral employment. Emphasis is placed on identifying and coordinating opportunities for research and scholarship among faculty and students. Must have completed 12 hours of doctoral credit in Criminal Justice to enroll in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7310. Philosophy of Law, Justice, and Social Control.
A current, thorough, and comprehensive review of the criminal justice system focused on how the system functions, and its current needs and future trends. Students submit extensive critiques and participate in panel discussions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7311. Advanced Criminological Theory.
An overview of the major criminological paradigms is presented focusing on the causes of crime and deviant behavior. The course includes a discussion of criminological theories from a philosophy of science perspective focusing on such issues as theory construction, theoretical integration, and the formal evaluation of theory and policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7312. Criminal Justice Ethics, Administration, and Public Policy.
This course addresses the role of ethics in criminal justice organizations and policymaking. Topics include the moral philosophy of criminal justice, the role of natural and constitutional law, codes of ethics and ethical review systems, and ethical decision-making by criminal justice professionals with attention to training issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7313. Race and Ethnicity in Crime and Criminal Justice.
An exploration of how issues related to racial and ethnic minorities and criminal behaviors impact criminal justice reactions. Topics include racial disparities related to law enforcement and sentencing, and policy implications related to policing, probation, pre-sentencing and post-release issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7314. Policing.
This course examines current problems in American policing and the role of research in their examination and solution. Official crime and victimization statistics and measure of police performance are explained, with a focus on their collection, development, limitations, and utility. Methods and issues in policing research are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7315. Corrections.
This course examines the history, forms, and functions of correctional institutions, their programs and policies, as well as theories of punishment. Topics include the structure and functions of prisons and jails, community corrections, intermediate sanctions, reentry, supermax prisons, and the death penalty.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7320. Quantitative Research Methods.
A course that demonstrates the practical aspects of conducting criminal justice research that uses quantitative methodologies and design. Topics include the philosophy of science; research ethics; methodological designs in establishing causation; nonexperimental/descriptive research; sampling techniques; secondary data sources and data gathering techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7321. Linear Regression for Criminal Justice Research.
Instruction on the use of advanced linear modeling techniques in criminal justice research is addressed. After completing this course, students should be able to evaluate quantitative research articles in the major criminal justice journals and be prepared to complete a major quantitative research project of their own.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7322. Advanced Research for Planning and Evaluation.
An introduction to evaluation and research design methodologies, assessment techniques including modeling and case studies, agency management issues, and on-going policy implications. Course gives students an understanding of the principles and techniques commonly used to evaluate the effectiveness and efficiency of criminal justice interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7323. Applied Statistics and Quantitative Data Analysis.
This is a course in statistics and data analysis for the purposes of original quantitative research. Topics include descriptive statistics, statistical inference for single and multivariable analysis, and principles underlying the techniques. This course makes extensive use of statistics software and data preparation techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7330. Qualitative Research Methods.
A discussion of the methods and techniques used for achieving interpretable qualitative results in social research. Topics covered include ethnography, focus groups, in-depth interviewing and case studies. Students will be trained in inductive reasoning and coordinating qualitative with quantitative methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7331. Law and Behavioral Science.
A review of the issues addressed in the application of the behavioral sciences to the criminal law system. Topics include criminal sanctions and diminished responsibility, civil commitment, victimology, psychology in the courtroom, the role of media, drugs, and alcohol to violence, and how the justice system reacts to violent offenders.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7332. Law and Public Policy.
An examination of the intersections between law and public policy, its effect on criminal justice administration, its role in a free society and the function of law as a tool of social change. Topics include affirmative action, race, gender, privacy rights, and the process of criminalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7334. Organizational Theory.
A critical examination of organizational theories with applications to criminal justice where students analyze the developmental state of organizational theory, including historical derivations and the implications of various theoretical paradigms for understanding the functional quality of criminal justice organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7335. Criminal Justice Leadership and Management.
A course focused on identifying problems and solutions in criminal justice management. The case study method and current literature provide a mixture of practical and educational experiences on how leadership styles, human resources, and the organizational environment impact management decisions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7336. Survey Research Methods for Criminal Justice.
This course addresses the procedures and techniques used to create social surveys including question formulation, metrics, and question scaling. Students learn how to prepare face-to-face, telephone, and mail surveys, and are trained in sampling procedures related to survey administration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7337. Comparative Criminal Justice Systems, Philosophies, and Public Policy.
A comprehensive study of law, including common, Roman, socialist, and religion-based, including a critical assessment of the major organizational, administrative, and philosophical principles governing the operation of criminal justice systems worldwide, with special attention to international criminal law and human rights.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CJ 7350A. Forecasting, Trend Analysis, and Data Interpretation.
A review of quantitative approaches to public policy analysis, the diverse conceptions of the goals and objectives that should be served by policy, and the appropriate role of the policy analyst. Policy consequences are traced to indirect and subtle incentives and disincentives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 7350B. Academic Scholarship and Communication.
A course on conducting academic research, interpreting results and how to prepare manuscripts for publication in refereed journals. Included is a survey of the audiences, topical focus, and submission requirements of the major criminal justice, criminology, and law publications, along with specialized knowledge on achieving success in the scholarship environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 7350C. Qualitative Data Collection, Coding and Analysis.
This course takes a structured approach to understanding and implementing the various information collection methods used in qualitative research, including formatting the information for coding, coding schemes, and information interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 7350E. Discrete Multivariate Models.
This course focuses on regression models for discrete outcome variables, sometimes called limited or categorical dependent variables. Topics include maximum likelihood estimation, binary and multinomial logistic models and negative binomial models. Prerequisite: CJ 7321 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 7350F. Environmental Criminology.
Crime distributes unevenly in space/time. As such, the course examines such questions as (1) What places are dangerous? (2) Why do we study specific crime types? (3) Where do crime types concentrate? (4) Where do offenders go in their normal activities? (5) What are the temporal patterns for crime? Prerequisite: CJ 7311 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 7350G. Seminar in Macro Criminology.
This course has a macro focus, examining criminological theory and research that takes cities, geographical regions, states, and nations as the units of comparison. The importance and relevance of macro criminology for understanding the causes of crime and key criminal justice issues, such as police resources, are explored in depth. Prerequisite: CJ 7311 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 7350I. Introduction to Structural Equation Modeling.
The course provides an introduction to structural equation modeling, which is sometimes called mean and covariance structure analysis or latent variable analysis. Topics include recursive and non-recursive models, path analysis, measurement models, and factor analysis. Prerequisite: CJ 7321 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 7350K. Criminal Justice Forecasting and Policy Analysis.
This course examines the inputs and outputs of criminal justice programs. It covers forecasting methods using statistical bootstrapping techniques including line fitting methods, moving averages, cohort propagation matrixes, and systems simulations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

CJ 7350L. Sex Offenders: Theory, Research & Policy.
This course will focus on application of theory to explain sexual offenses, research design issues related to researching this salient population of offenders (e.g., ethical issues, gaining IRB approval, research design limitations, social desirability problems in self-report data, and examining available data sources), and examining policy related issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CJ 7360. Independent Study.
Students will work closely with a particular doctoral faculty member and develop in-depth knowledge in a specific topic area of criminal justice. Topics vary according to a student's program needs. Repeatable once for credit with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

CJ 7399. Dissertation.
Original research and writing in criminal justice to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 7599. Dissertation.
Original research and writing in criminal justice to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester for at least three dissertation hours.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 7699. Dissertation.
Original research and writing in criminal justice to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CJ 7999. Dissertation.
Original research and writing in criminal justice to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Curriculum and Instruction (CI)

CI 3300. Middle School Curriculum and Instruction.
Overview of developmentally appropriate curriculum adhering to state and national standards for grades 4-8. Includes the application of learning theory in a safe classroom environment with a focus on cooperative learning, direct instruction, discovery learning, technology, and learner-centered instruction. (WI) Prerequisites: Admittance to the Educator Preparation Program and minimum 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CI 3310. Public Education in a Multicultural Society.
Course utilizes historical, sociocultural, and political lenses to provide an overview of public schooling as a complex system within a multicultural society. Key concepts include: educational philosophy, legal and policy issues, curriculum and instruction, equity, school-community connections, and teachers as change agents. Must be declared in a degree program that leads to teacher certification. Prerequisite: Minimum 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 3315. Human Development: Learning and Being in Social Contexts.
Drawing from psychological, sociological, anthropological, and historical traditions, this course explores human development, learning theories, identity issues, and multicultural education, especially as these pertain to second-language learners. Implications for classrooms and teaching are included. Must be declared in a degree program that leads to teacher certification. (WI) Prerequisite: Minimum 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CI 3322. The Design and Application of the EC-6 Curriculum.
Course focuses on design and application of curricula including content, instructional methodologies and assessment. Foundational theories of human development and learning will be used as students focus on the organization of content, instructional strategies, classroom environment, utilization of materials, and assessment. Prerequisites: Admittance to the Educator Preparation Program; CI 3310, CI 3315; RDG 4320; 2.75 Overall GPA. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

CI 3325. Adolescent Growth and Development.
Study of biological, cognitive, and psychological theories and processes of adolescence. Prepares prospective teachers to understand abilities, behaviors, and needs of learners. Roles of family, peer groups, and culture examined with the aid of contemporary adolescent literature. Prerequisite: 2.75 overall GPA. Junior classification required. Must be declared in a degree program that leads to teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 3332. Foundations of Bilingual and ESL Education.
This course examines the rationale, history, and philosophy of bilingual and ESL education and develops students' understanding of the cultural and psychological influences that mediate the learning process. Prerequisites: Admittance to the Educator Preparation Program; CI 3315, CI 3310, ECE 4300; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CI 3338. Social Studies in the Elementary and Middle School.
The course provides learner-centered approaches to social studies knowledge, instruction, equity, communication, and professional development and prepares educators with strong foundations for powerful social studies teaching and learning practices including: (a) deep understanding/appreciation, (b) increased awareness of non-traditional approaches, (c) practical methods and applications, and (d) daily integration into teaching. Prerequisites: Junior Classification; 2.75 overall GPA. Restriction: Students majoring in Interdisciplinary Studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4300. Middle Level Philosophy and Schooling.
Physical, social, emotional, cognitive, and moral characteristics of young adolescents in contexts of family, community, school, society. History and philosophy of middle school as a developmentally appropriate environment for young adolescents. Continued study of instruction that is affectively and cognitively appropriate for young adolescents. Prerequisites: Admittance to the Educator Preparation Program; RDG 4310; RDG 3315; 2.75 Overall GPA. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CI 4325. Classroom Management and Teacher-Student Relationships.
Course will focus on classroom management theories and models. Personal philosophy, beliefs, and style of teaching will be examined as they relate to the various methods of classroom management, student discipline, and teacher-student relationships. Prerequisites: Admittance to the Educator Preparation Program; CI 3310, CI 3315, CI 3332, CI 4360; RDG 4320; ECE 4300, ECE 4310, ECE 4352; Co-requisites: RDG 3315, RDG 3321; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4332. Secondary Teaching: Curriculum and Technology.
This course investigates secondary curriculum, its history, organization, development, and representation in instructional materials. Students learn how curriculum is decided, impacted, and assessed, and the role of technology in curriculum. Topics include local, state, and national standards, trends, and roles of culture and technology in teaching and learning. Prerequisite: 2.75 overall GPA. Junior classification required. Must be declared in a degree program that leads to teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4338. Social Studies Curriculum & Pedagogy for the Middle School.
This course examines how the teaching of social studies is informed by theory and research. In this course students will analyze the foundations of social studies as a discipline, social studies curricular issues, social studies pedagogy, controversial issues pedagogy, and the construction of conceptual, inquiry-based units. Prerequisites: 2.75 Overall GPA; Junior classification; must be declared as seeking 4-8 grade teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

CI 4343. Instructional Strategies for the Secondary Teacher.
This course focuses on the study of models for instruction, with attention to assessment and classroom management. Students develop and practice strategies for building classroom communities, teaching all learners, and integrating technology into instruction. The focus is on meeting the needs of individual learners while maintaining academic rigor. Prerequisites: Admittance to the Educator Preparation Program; CI 3325 and CI 4332; 2.75 Overall GPA; Corequisites: CI 4370 and RDG 3323.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4350. Mathematics in the Integrated Elementary Curriculum.
Course provides an in-depth study of the mathematics content and methodology derived from principles of learning and research. Primary focus will be on the development of mathematics understanding and relevant applications rather than manipulation of numbers without context, purpose, or concepts. Students will develop the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and develop techniques for evaluating pupil progress within a field-based environment. Prerequisites: MATH MATH 1315, MATH 1319, MATH 2417, MATH 2471, or MATH 2472; MATH 2311 and MATH 2312. Grades of "C" or better must be earned in all prerequisites. 2.75 overall GPA required. Junior classification required. Must be declared in a degree program that leads to teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4351. Middle School Mathematics Methods Course.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions). Prerequisites: 2.75 Overall GPA; Junior classification required; must be declared as seeking 4-8 grade teacher certification; MATH 1315 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471 with grades of "C" or better must be earned in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4355. Science in Elementary Education.
Course provides an overview of science standards and content, research-based science pedagogy, and the scientific process skills required for a developmentally appropriate, inquiry-driven science curriculum that facilitates the development of scientific literacy for all students, including second language learners. Prerequisites: PHYS 1310 or PHYS 1315 or PHYS 1410; and PHYS 1320 or PHYS 1325 or PHYS 1420; and PHYS 1110 or PHYS 1115 or PHYS 1125; and BIO 1320 or BIO 1430 or BIO 1330 or BIO 1431 or BIO 1331 or BIO 1421. Grades of "C" or better must be earned in all prerequisites. 2.75 overall GPA required. Junior classification required. Must be declared in a degree program that leads to teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4360. Methods and Materials for Teaching ESL in the Content.
This course addresses content, methods, and materials of elementary ESL classroom instruction, including curricula, strategies, and materials for meeting the needs of English language learners in all academic content areas. Prerequisites: Admittance to the Educator Preparation Program; ECE 4300 (for ESL Generalists); CI 3332, CI 4361 (for Bilingual Generalists); 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

CI 4361. Psychological Foundations of Bilingual Education.
This course explores how bilingual learners navigate and manage the learning process within existing educational systems. The course examines how instructional practices that attend to the cultural, linguistic, and cognitive development of the bilingual learner impact academic achievement. Prerequisites: Admittance to the Teacher Preparation Program; Junior classification; 2.75 Overall GPA; must be declared as seeking EC-6 Bilingual Generalist certification: SPAN 3308 and SPAN 3371 with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4362. Teaching Across the Bilingual Content Areas EC-6.
A study of research-based content and instructional methods and strategies, materials and resources to teach bilingual learners the EC-6 academic curriculum based on content-related standards associated with the teaching of mathematics, science, social studies, and language arts. Prerequisites: Admittance to the Teacher Preparation Program; 2.75 Overall GPA; must be declared as seeking EC-6 Bilingual Generalist teacher certification; SPAN 3308 and SPAN 3371 with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4370. Classroom Management, Ethics, and Legal Issues in Secondary Teaching.
This course focuses on the development of an appropriate classroom management system based on current theory and research, analysis of legal and ethical issues as they relate to classroom teachers and students, and field experiences in a variety of secondary classroom environments. Prerequisites: Admittance to the Educator Preparation Program; CI 3325 and CI 4332; 2.75 Overall GPA; Corequisites: CI 4343 and RDG 3323.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

CI 4378. Problems in Education.
Individual problems related to areas of selected study for the undergraduate student, designed to meet individual differences for the purpose of certification. A letter following the course title on the permanent record will indicate the area of emphasis according to this code: (i) Elementary, (j) Secondary, and (l) Bilingual. Repeatable for credit with different emphasis. Prerequisite: Admittance to the Educator Preparation Program; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5301. Methods for Teaching Middle School Mathematics.
This course will explore the methods of teaching mathematics in intermediate and middle grades. Emphasis is placed on the equity principle (mathematics for all) and development of conceptual understanding of topics such as real numbers and operations on real numbers, geometry, statistics and probability, and algebra (patterns, variables, and functions).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5302. Practical Statistics for Educators.
This course uses graphical and numerical techniques to explore school related data, characterize patterns, and describe departures from patterns. The study of statistics will allow teachers to critically evaluate students, their teaching, and the results of educational research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5303. Teaching Math in the Elementary School.
This course is an in-depth study of the mathematics content and methodology derived from principles of learning and research. The course will explore the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and examine techniques for evaluating pupil progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5304. Science, Technology, Engineering, and Mathematics for Elementary Teachers.
The importance of problem solving in elementary mathematics and science is explored. Class activities emphasize the role of mathematics in collecting, recording, analyzing, and communicating scientific observations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5305. Methods in Geometry for Elementary Math Teachers.
This course focuses on study of congruency, similarity, transformations, coordinate geometry, and measurement using cognitively guided instruction. Van Hiele's model will be used, and the importance of modeling relationships with and without technology will be taught. This course is designed for elementary school teachers with a mathematics specialization. Justification: This course addresses competencies required for this certificate as delineated by the Texas Education Agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

CI 5306. Evaluative Techniques for the Classroom Teacher.
An in-depth study of the objectives of evaluation, teacher-made tests, interpretation of standardized test results, self-evaluation, program evaluation, school evaluation, socio-metric techniques and their use, and reporting to parents. Prerequisites: CI 5390 and CI 5314 and CI 5333 and CI 5363 and CI 5370 and RDG 5324,all with a grade of "C" or better, and an Overall GPA of 3.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5307. Probability and Statistics Methods for Elementary Math Teachers.
This course for elementary math teachers covers graphical and numerical techniques to explore data and describe patterns and departures from patterns using cognitively guided instruction. The course focuses on statistical inference, making and evaluating predictions, and designing problems to solve using the theory of probability and its relationship to sampling.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5308. Introduction to Gifted/Talented Education.
An introduction to gifted/talented education that covers: analysis of conceptions of giftedness and gifted/talented education; examination of policies related to gifted/talented education; survey of assessment practices, pedagogy, program options, and equity issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5309. Talent Development.
This course examines theories, research and pedagogy related to talent development throughout the life course. Topics include ways to support expertise development, critical youth development and becoming.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5310. Creativity: Theories, Research, and Applications.
A multidisciplinary exploration of creativity theories, research, and applications. Implications of current theory and research for creative thinking and innovation. Designed for Master's degree students in Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5311. Practicum in Talent Development.
This course is a capstone course in which students develop and apply knowledge and skills in talent development in an educational setting. Prerequisites: CI 5310 and CI 5308 or CI 5309; CI 5319 or CI 5383; and one of the following: CI 5324 or CI 5359 or CI 5368, all with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5312. Elementary Language Arts: Current Trends.
A study of current trends in methods of instruction in the language arts, a study of research findings, and an examination of selected media and materials. Also identifies the relation of language arts to other aspects of the elementary school curriculum and the most effective diagnostic techniques for the language arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5313. Research Seminar in Human Growth and Development.
Training for teachers (elementary or secondary), counselors, supervisors, and administrators to improve their professional effectiveness through the direct study of individual students according to an organizing framework of scientific knowledge of human growth and development; emphasis on the physical processes, the affective processes, and peer relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5314. Human Growth and Development II.
For teachers (elementary or secondary), counselors, supervisors, and administrators to increase their understanding of the motivation, the developmental level, and the abilities of individual students by a direct study of individuals in the classroom; emphasis on increasing scientific knowledge of culture, self-development, and self-adjustive areas of development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5315. Coaching Skills for Elementary Math Mentors.
This course focuses on using guidance and feedback to help teachers improve math instruction. Specific attention is given to roles and responsibilities of math content coaches, including their function in coaching a professional learning community, and the roles of math mentors in helping new and experienced teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5316. Problem-Solving, Reasoning, and Modeling for Elementary Math Teachers.
This course examines numerical reasoning and problem-solving with particular attention to heuristics, strategies, and modeling. Students will learn methods for mental computation and computational estimation, and algorithmic processes. The course is for elementary math teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5317. Teaching Strategies for Elementary Teachers: Alternative Models.
Alternative teaching models based on learning theory. Course designed to assist the elementary teacher in selecting appropriate strategies for meeting student learning styles and to broaden the scope of elementary school methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5319. Social, Emotional, and Cultural Contexts of Advanced Development.
This course explores social, emotional, and cultural context issues related to precociousness, creativity, and high performance in children and adolescents, with an emphasis on practices in school environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5322. Middle School Instructional Strategies and Practices.
Course topics include middle school curriculum, state and national standards, developmentally and culturally responsive instructional strategies, assessment, and classroom management. Students are required to complete 30 clock hours of field experience in 4-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5323. Middle School Philosophy and Learning.
Middle school philosophy focusing on young adolescents' cognitive, emotional, social, and physical needs. Instructional delivery strategies and assessments that are developmentally responsive and adhere to state and national standards. Positive learning environments that include family and community collaboration. Philosophical and historical foundations of the middle school movement. Prerequisite: CI 5322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5324. Systems for Advanced Academics and Talent Development.
This course examines systems, organizational models, strategies and assessment approaches that facilitate advanced academics and talent development processes in K-12 school settings. Prerequisite: CI 5308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5325. Comparative Education Systems.
This course will compare global educational systems with the American education system. Students will observe classes, interview non-American educators and students, analyze research, and teach lessons in a school outside of the U.S. context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5326. Curriculum & Management in the Elementary & Middle School.
Course topics include principles of curriculum development, the EC-8 curriculum, lesson and unit planning, instructional strategies that promote student learning, and classroom management. Students are required to complete 30 clock hours of field experience in EC-8 school settings. Prerequisite: Admittance to Educator Preparation.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5327. Principles and Practices in the Elementary School.
Defines and interprets the newer trends in elementary school practices; the philosophy and objectives of the elementary school,and procedures for implementing these objectives; classroom organization and management; the principles of unified learning as applied to school experiences, procedures for planning and developing experiences, meeting individual needs, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5328. Elementary Social Studies: Curriculum Problems.
Development and purposes of the social studies curriculum; contributions of the social sciences to the social studies curriculum; relation of the social studies to the total elementary program; curriculum construction, supervision, and evaluation; current issues and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5329. The Elementary School Science Curriculum.
An intensive study of the philosophies of discovery and inquiry as they relate to the elementary school science curriculum; laboratory experiences related to the objectives, content, methods, and materials of selected innovative programs. Examples: Inquiry Development Program, Elementary Science Study, Science-A Process Approach, Introductory Science Study, Science Curriculum Improvement Study, Minnesota Mathematics, and Science Teaching Project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5330. Multicultural Teaching and Learning.
Course topics include multicultural education theory and principles; research; current issues and trends; culturally responsive curriculum, teaching methods and materials, and teaching English language learners. Students will explore their cultures and other cultures to develop knowledge and sensitivity needed to teach in a multicultural multilingual society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5332. Multicultural Teaching and Learning of Mathematics.
This course will acquaint students with current learning theories that conceptualize interaction and participation as crucial to learning mathematics in contexts that include English Language Learners (ELLs). Students will make practical/meaningful connections to classroom instruction by designing learning environments that include tools to support ELLs in learning mathematics with understanding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5333. The Secondary Curriculum.
A brief history of curriculum development with special emphasis on the Texas curriculum program; basic principles and techniques of curriculum construction and implementation; aims and purposes of the curriculum as a function in perpetuating and improving democratic ideals; and attention to significant research in curriculum development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5336. Methods and Materials for Teaching English as a Second Language.
Identification and use of English as a Second Language (ESL) material and teaching strategies for teaching ESL as an integrated process including first and second language acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5337. Language Acquisition and Development.
This course addresses the foundations for first and second language learning acquisition. Central concepts in child language development with special emphasis on language-minority issues will be presented and discussed. Prerequisite: CI 5336.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5339. Project-Based Instruction.
This course will examine a theory driven perspective accounting for how adolescents and young adults learn and how project-based instruction (PBI) may be our best choice for bridging the gap between theory and practice. Students will observe secondary PBI classes, participate in a project and design a PBI unit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5340A. Teaching History for Young Learners: Issues, Purposes, and Possibilities.
This seminar-based course consists of the study of current trends, issues, and pedagogical applications specific to the teaching of history for young learners. The course examines the history of history education, issues in the teaching of history, and how to teach history from multiple perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

CI 5359. Curriculum for Depth and Challenge.
This course focuses on the understanding and design of curricula with depth and challenge for K-12 students who would benefit from advanced content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5363. Strategies for Improving Secondary Teaching.
This course focuses on the development and implementation of instructional strategies for the secondary education classroom. Students are required to complete 30 clock hours of field experience in a secondary school setting. Prerequisite: Admittance to Educator Preparation; CI 5333 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5364. Advanced Instructional Strategies for Secondary Education Teachers.
This seminar-based course consists of the study of instructional strategies for experienced secondary education teachers. The course examines the research and theory that correspond to the development and implementation of advanced instructional strategies. Prerequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5365. Biliteracy Development in the Bilingual Education Classrooms.
This course focuses on current research and practice in literacy development in Spanish and English as a second language for bilingual students. Contexts framed by sociocultural, cognitive, and linguistic factors will be considered. The course will be taught in English and Spanish. Prerequisites: CI 5337 and CI 5387 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5368. The Politics and Creativity of Being and Becoming.
This course examines how some aspects of education may be inherently unpredictable, immeasurable, and not able to be generalized across contexts nor produced on demand, but still are fundamentally essential to education. Influences of societal trends, discourses, and school practices on political and creative aspects of becoming are analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5370. Classroom Management, Discipline, and Legal Issues.
Course topics include the development of an appropriate management and discipline system based on in-depth study of current theory and research. Students will study Texas School Law as it relates to classroom teachers and students. Some field work, school and state agency visitation may be required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5372. Philosophical Foundations of Education.
An overview of the field of educational philosophy as related to the spectrum of human events and the educative process in particular. Designed for master's degree students without previous graduate work in philosophy or philosophy of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5373. Professional Development for Teachers: Models, Research, and Theory.
This seminar-based course consists of the study of current models, research, and theory of professional development for PK-12 teachers. The course examines the research and theory that informs current models of professional development that are implemented by schools to promote professional growth among teachers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5375. Problems in Elementary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give elementary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5376. Problems in Secondary Education.
A workshop in innovative techniques or materials offered either on campus or off campus in approved sites. Designed to give secondary classroom teachers college credit for in-service type training; course gives an opportunity for teachers to upgrade their skills and knowledge.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5378. Problems in Education.
Individual problems not related to Thesis or Research Problems. Designed to place emphasis on selected areas of study. A number following the course title on the permanent record will indicate the area of emphasis according to this code (2) counseling (7) Supervision (8) elementary (9) secondary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5381. Creativity, Interest, and World(s).
This course examines issues, practices, thought traditions, and research related to creativity, interest, and world(s). Implications for education and justice are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5383. Mentoring Across the Life Span.
This course examines types and processes of mentoring across the life span, with emphases on mentoring students and teachers in K-16 educational contexts. Talent development purposes for mentoring are included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5387. Bilingual Education: Principles and Practices.
A study of the current trends in bilingual education and elementary school practices, the philosophy and objectives of the bilingual elementary school program, classroom organization and management, and procedures for meeting individual needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5389. Action Research for Practitioners.
This course prepares practicing teachers to conduct action research in educational settings. Students will design and implement an action research project based on a self-selected topic. Prerequisites: CI 5390 and CI 5302, plus 6 credit hours in the major, all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5390. Research Seminar in Education.
Study of problems in the education of children in the schools. Topics include basic research procedures needed in the preparation of thesis or other research reports and development or skill in reading, analysis, and application of educational and behavioral research. A research paper is required of each student. CI 5390 must be completed prior to the semester of the comprehensive exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Curriculum and Instruction 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

CI 7101. Introduction to the Research Experience.
This course is designed to introduce students to the department and to the ongoing research activities of its faculty. Emphasis is placed on identifying and coordinating opportunities for joint research and scholarship among faculty and students. Students must enroll in the course for three semesters before dissertation.
1 Credit Hour. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7302. Research Methods and Measurement in Education.
This course provides a comprehensive introduction to educational research with a focus on research design, research methods and methodology, and fundamental measurement issues in quantitative, qualitative, and mixed-methods research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7303. Educational and Psychological Measurement and Assessment.
Philosophical and empirical foundations of measurement, assessment, testing, and evaluation. Topics include philosophical and mathematical foundations in research; empirical levels and measurement description; test construction; observational rating scales; measurement interpretation; social, legal, and ethical implications; item analysis/refinement for scale performance; reliability and validity evidence; and standardized and placement tests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7310. Teaching in College.
Teaching strategies for teaching/instructional assistants focused on creating syllabi, adapting to diverse student populations, collaborating with colleagues and staff; implementing active learning strategies; fostering assigned reading; assessing learning; and integrating technology. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

CI 7326. Grant Development and Management.
Course focuses on developing competitive grant proposals and understanding grant management resources. Strategies will encompass locating funding sources, evaluating proposals, developing proposals and budgets, and methods of meeting accountability requirements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7351. Beginning Quantitative Research Design and Analysis.
This course introduces students to quantitative research design and analysis. Topics include descriptive statistics; sampling techniques; statistical inference, including the null hypothesis, significance tests, and confidence intervals; and causal-comparative analyses, including t-test and ANOVA. Departmental Approval required. Prerequisite or concurrent enrollment in: CI 7302 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7352. Beginning Qualitative Design and Analysis.
This course introduces students to the qualitative paradigm. Topics include distinctive features, alternative qualitative traditions, purposeful sampling, common data collection methods, inductive analysis, the role of the researcher, and evaluating qualitative research. Prerequisite: CI 7302 with a grade of "B" or better, or can be taken concurrently. Departmental approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7353. Intermediate Quantitative Research Design and Analysis.
This course focuses on intermediate quantitative research design and statistical methods of data analysis related to problems in education, psychology, sociology, and biological sciences. The general linear model based univariate and selected multivariate statistical techniques are examined including theory/purpose, logic, practical implications, and interpretation of various analytic techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7354. Intermediate Qualitative Design and Analysis.
This course focuses on issues in design and implementation of qualitative research. Topics include influence of alternative traditions, literature in qualitative research, access to the field and ethical issues, researcher-participant relationships, purposeful sampling strategies, inductive analysis procedures, developing theory, and reporting research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7355. Mixed Methods in Research and Evaluation.
This course will cover mixed methods research designs that can be used in the evaluation of educational interventions and programs. Topics include mixed methods research designs; program evaluation models; quantitative and qualitative data analysis and interpretation; reading mixed methods research articles; and writing mixed methods research proposals and evaluation reports. Prerequisite: CI 7351 and CI 7352 all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7358. Theoretical and Conceptual Frameworks in Qualitative Research.
Intended for those versed in current paradigmatic and epistemological states of human inquiry, presenting an opportunity to design a research project and to address the major issues of a research career. Prerequisites: ED 7352, ED 7354.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7359. Seminar in Quantitative Research.
This course is a small group seminar that focuses on analytic strategies specific to the doctoral student's dissertation topic. Examples include structural equation modeling, hierarchical linear modeling, log linear modeling, non-parametric analyses, factor analysis, factorial analysis of variance, and other multivariate statistical methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7360. Designing Educational Research.
Students identify problems in developmental education and develop a strategic proposal to apply to these problems. Students, then, create an evaluation plan to assess the implementation of their proposal. Students develop skills in critiquing research reports and in synthesizing research from developmental education. Prerequisite: ED 7353 or ED 7354.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7378. Independent Study.
Individual problems or topics will be designed and completed to emphasize selected areas of study in the Department of Curriculum and Instruction. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CI 7386. Directed Research.
Students will participate in an authentic research experience, either by working as part of a doctoral faculty member's research team or developing an original research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CI 7389A. Topics in Instructional Technology.
This topic offers an in-depth study of systematic instructional design emphasizing the selection and use of appropriate media for delivering instruction to maximize student learning. Special emphasis in this topic is on the leader's role in influencing the use of technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

CI 7389C. Special Topics: Race Theory in Educational Research.
This course will explore racial theories and paradigms applicable to the study of race in K-20 educational settings. Students will analyze foundational scholarship in the formation of racial theories, research methodology, key tenets of race research, and literature pertinent to current trends in educational research regarding race.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Dance (DAN)

DAN 1113. Conditioning for Dancers.
Students in this course will study introductory body conditioning exercises and routines. Course content will include an introduction to and practical application of body conditioning methods, based on Laban Movement Analysis, Pilates, Aerobics, and Yoga techniques. Emphasis is placed on anatomical terminology and safe exercise.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 1114. Fitness and Wellness Activities.
The course is designed as a rehabilitative and physical improvement experience (body therapy) that is especially useful for dancers who have sustained injuries or want to avoid common dance injuries.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 1160. Beginning Jazz.
Beginning levels of jazz dance technique, including basic jazz walks and weight shifts, isolations, stretches, and dance combinations. Combinations are designed to challenge and enhance the students' knowledge of the various styles and "schools" of jazz dance and to develop performance and choreographic abilities in these styles.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DANC 1147

DAN 1170. Beginning Recreational Dance.
Recreational dance includes international folk dance, square dance, and ballroom dance. Students will learn specific dances from each of these styles and gain an understanding and appreciation of the role of dance in societies and culture. This course provides an opportunity for students to explore the elements of dance as a way to discover movement as an expressive medium. This course is also offered as PFW 1180J.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: DANC 1128

DAN 1180. Beginning Ballet.
Introduction to the basic technique and steps of the classical ballet. Basic barre exercises, basic positions, and traveling steps of the ballet movement vocabulary will be taught and practiced for mastery, singly and in combination. Students are expected to acquire beginning ballet skills.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DANC 1141

DAN 1190. Beginning Modern Dance.
Basic modern dance technique and movement vocabulary are introduced and practiced for mastery. Biomechanical principles and the elements of dance are introduced. Elementary choreographic experiences will be included.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DANC 1145

DAN 1212. Dance Appreciation.
This course familiarizes incoming students with Dance as an art form in numerous social, cultural, and professional contexts. It will introduce students to the artistic, philosophical, and cognitive implications of Dance, while examining a variety of dance-related careers.
2 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: DANC 2303

DAN 2160. Introduction to Hip Hop Dance.
This experiential course explores the history, development, and core elements of hip-hop dance culture through movement activities, assigned videos, and readings. Repeatable for credit with different emphasis.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 2161. Intermediate Jazz.
Intermediate levels of Jazz dance techniques include complex weight shifts, syncopations, coordinations, and isolation techniques. Exercise and floor combinations are designed to challenge and improve previously obtained motor skills and to enhance the knowledge of correct mechanics of dance as a performing art. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DANC 2247

DAN 2181. Intermediate Ballet.
Intermediate level ballet barre, center, position, and transitional patterns of the classical ballet will be introduced and practiced for mastery. Emphasis will be on quick mastery of simple to complex combinations of those patterns plus an understanding of the biomechanical basis of each pattern. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DANC 2241

DAN 2191. Intermediate Modern Dance.
Intermediate modern dance skills are introduced and practiced for mastery. Students are expected to learn and perform combinations with skill and artistry, demonstrating a working knowledge of biomechanics and performance techniques. Application of movement principles is emphasized. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 2201. Dance Composition I.
This course utilizes improvisation as a creative dance technique in designing new movements for choreography. Using current trends in improvisational materials, this course places emphasis on designing original movement, while facilitating students in maintaining aesthetic forms and developing artistic discrimination. Prerequisite: DAN 1190 or DAN 2191 or DAN 3292 any with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: DANC 1201

DAN 2202. Dance Composition II.
Basic principles of dance composition will be applied to solo choreography, emphasizing skilled use of space, dynamics, and rhythm to build artistic compositions. Exploration of crafting materials in authentic expression will be facilitated. Prerequisite: DAN 2201 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: DANC 1301

DAN 2210. Contact Improvisation.
Improvisational movement techniques that explore weight-sharing, non-verbal communication, sensory awareness, risk-taking, and physical and emotional trust. Students will gain the physical and perceptual skills to enhance performance in all areas of creative expression. Principles will be applied through movement training, discussion, and performance. Prerequisite: DAN 2191 or DAN 3292 either with a grade of "D" or better.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: DANC 1201

DAN 2313. Introduction to Fine Arts.
An introductory course designed to give the student a fundamental understanding of the creation and appreciation of diverse modes of expression through the visual and performing arts. This course may not be repeated for credit by taking ART 2313 or MU 2313 or TH 2313.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050
Grade Mode: Standard Letter
TCCN: HUMA 1315

DAN 2365. Creative Movement for Children.
Emphasis on rhythmical movement exploration and using creative movement as both an art form and as a teaching tool. Through class activities, students will develop effective facilitator skills and incorporate innovative strategies for teaching traditional material in non-traditional ways. Prerequisite: DAN 2201 and [DAN 1190 or DAN 2191 or DAN 3292] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

DAN 2367. Dance Performance Workshop.
This course is designed to give the dance student experience in learning and performing varied styles of dance choreography. Established dance works and experimental works will be included in order to develop a professional-level ability to learn, remember and perform a wide repertory of choreography. Prerequisite: Instructor approval.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 2368. World Dance and Cultures.
World Dance and Cultures exposes students to the varied and rich traditions of dance in a wide range of historical and cultural contexts. Through lectures, group discussions, video analysis, live performance, movement exploration, and writing projects, students develop a broad appreciation of dance that encompasses a variety of dance practices.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
TCCN: DANC 1305

DAN 3111. Dance Activities.
This course is designed to provide credit for participation in dance activities. It typically involves working on a departmental production. May be repeated with different emphasis. Prerequisite: Instructor Approval.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3152. Musical Theatre Tap II.
This class expands on skills covered in Musical Theater Tap I. Basic steps are perfected and more difficult steps and combinations are learned. Longer sequences set to musical theatre music are mastered, and attention is given to ensemble work, rhythmic variations, and performance skills. Prerequisite: DAN 3151 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3160. Intermediate Hip Hop Technique.
The intermediate level of Hip Hop dance technique includes complex weight shifts, quick direction changes, coordination of body parts, and rhythmic accuracy. Exercises and floor combinations are designed to challenge and improve motor skills, and to enhance the knowledge and practice of the correct mechanics of the form. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3162. Advanced Jazz.
Advanced levels of jazz dance technique include more complex coordinations and combinations, requiring increased levels of technique, strength and flexibility. Emphasis is on developing ability to quickly master increasingly challenging choreography, while continuing to develop new skills. There is a continuing emphasis on bio-mechanics and choreography. Prerequisite: Instructor Approval.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3171. Musical Theatre Dance I.
This course involves the study of dance as it applies to musical theatre performance. It covers some of the styles that make up musical theatre including character dancing, the Charleston, and various ballroom dances. Prerequisite: DAN 2181 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3182. Advanced Ballet.
This course is an introduction of the advanced concepts and principles of classical ballet. The class is designed to develop proper alignment, strength, flexibility, coordination and musicality. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3292. Advanced Modern Dance.
Advanced modern dance skills are introduced and practiced for mastery. Students are expected to learn and perform increasingly complex combinations with skill and artistry, demonstrating a mastery of bio-mechanical principles and performance. Dance majors and minors are expected to develop a high level of skill in this dance genre. Prerequisite: Instructor Approval.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3330. Dance Curriculum Development.
This course builds on a requisite knowledge of basic educational theory and lesson plan structure with an emphasis on developing and implementing a successful dance curriculum. Practical and effective strategies for teaching middle school and high school dance will be examined. Prerequisites: [DAN 1160 or DAN 2161 or DAN 3162] and [DAN 1180 or DAN 2181 or DAN 3182] and [DAN 1190 or DAN 2191 or DAN 3292] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

DAN 3331. Theory and Practice of Teaching Dance.
This course is an introduction to child/adolescent development as it applies to the teaching of codified dance techniques. Students will create age appropriate lesson plans in Modern Dance, Ballet, and Jazz. Special attention is paid to the role of the teacher in the private studio dance setting. Prerequisite: [DAN 2161 or DAN 3162] and [DAN 2181 or DAN 3182] and [DAN 2191 or DAN 3292] all with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

DAN 3332. Dance Concert Production.
This course is designed to develop skills required to plan and execute dance concerts in standard educational institutions, as well as professional venues. The course will include an introduction to technical theatre and design concepts for performance: lighting, stage management, make-up, costuming, and music selection.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DAN 3340. Dance Touring Ensemble.
Learning and performing dances from the repertory of current faculty members, artists-in-residence, and from the repertory of historic modern dancers. Dances performed locally and regionally. Enrollment by audition only. May be repeated for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3345. Video Dance.
The class is geared particularly towards dance makers and principally towards dance majors. The central objective is to enable the participants to create choreographic work for the camera, through the analysis and discussions of a selection of screenings as well as through hands-on work. Collaboration and cooperation is encouraged throughout the process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 3350. Dance Team Directing.
Develop skills required to direct a performing dance team. Topics include choreography, administrative organization, public relations and communication skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

DAN 3365. Rhythmic Structure of Movement.
The structural analysis of basic and complex dance movements, their inherent rhythmic configuration. Understanding of movement and its rhythmic structure and correction of movement errors. Practical experience in percussion accompaniment of these movements will be emphasized. Prerequisites: DAN 2202 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

DAN 3366. Laban/Bartenieff Movement Analysis.
Labanotation Theory & practice of the Laban Effort-Shape Movement System and its application toward creative expression. Theory and practice of Bartenieff Fundamentals, a movement training which patterns efficient connectivity in the body with emphasis on full psychophysical involvement in personal expression. Basic skill in reading and writing Labanotation will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DAN 3370. Dance Composition III.
Opportunity for students to increase knowledge and understanding of dance composition elements as they relate to group forms, theme, development, and phrase manipulation. Prerequisites: DAN 2202 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

DAN 3390. Dance in the Community.
This course combines community service (creating dance for or with non-profit community organizations that serve at-risk populations) with readings, discussions, and collaboration on societal applications of performing arts. May be repeated once for credit when topics vary.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 4171. Musical Theatre Dance III: Pre 1970s Choreography.
This course provides an examination of the history and development of musical theatre dance styles, including an in-depth study of significant works of choreographers before 1970, from Agnes DeMille to Jerome Robbins. Prerequisite: DAN 3172 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 4172. Musical Theatre Dance IV: Post 1970s Choreography.
This course provides an examination of the history and development of musical theatre dance styles, including an in-depth study of significant works of choreographers after 1970, including Bob Fosse, Michael Bennett, Ann Reinking, and Susan Stroman. Prerequisite: DAN 4171 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 4292. Advanced Principles.
Students analyze and perform advanced principles based in dance technique, and somatic approaches to dance training. Students develop a high level of conceptual mastery and physical skill for their teaching and performing preparation. May be repeated once for credit. Prerequisite: DAN 3292 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 4330. Dance Kinesiology.
This course is an experiential study of the human body in rest and in motion. Emphasis will be on the skeletal and muscular systems in consideration of applications to dance performance, teaching and creative processes, and injury prevention and rehabilitation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DAN 4334B. Choreographic Influences in Dance.
The purpose of this course is to investigate how many single important dancers, particular school or movements in dance, artistic and technological developments and political, sociological and other world events have shaped choreographic trends in dance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DAN 4350. Musical Concepts for Dance Performance.
Provides dance majors with a working knowledge of the essential vocabulary of music-rhythm, melody, form and harmony, together with an overview of musical styles throughout both time and geography.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DAN 4360. Dance Independent Study.
Designed to give supervised experience to qualified advanced students in dance. Independent study on research problems or actual production problems may be chosen. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 4366. Writing and Reading About Dance.
Surveys dance literature including an opportunity for students to familiarize themselves with resources, current publications, theoretical materials, and professional organizations in dance. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

DAN 4367. Advanced Choreography: Theory and Practice.
Students will choreograph, costume, and design lights for a group dance of substantial length, justifying artistic choices in an accompanying documented paper. The results of this course will be a senior dance concert. May be repeated once for credit. New material will be covered each time taught. Prerequisite: DAN 2202 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 4369. Dance in the 20th and 21st Centuries.
Exposure to a wide variety of literature in the area of dance, the arts and sciences which specifically address the development of dance as an art-form and cultural phenomena in the 20th and 21st Centuries. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

DAN 4370. Contemporary Issues in Dance.
This upper-level theory course is designed to provide opportunities to investigate the current moment in contemporary concert dance. Current trends in choreography will be explored in a variety of genres. Culturally relevant themes of gender, sexuality, social justice, commercialism, racism, and beauty will be examined. Prerequisite: DAN 4366 or DAN 4369.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

DAN 4380. Professional Development for Dancers.
This course will prepare students to work as professionals in the field of Dance. They will learn the skills necessary to create a Dance-specific resume and portfolio for use upon graduation, to seek and secure employment, and seek funding for Dance projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DAN 4470. BFA Senior Concert.
A course that provides a practical opportunity to choreograph, perform, and produce a dance concert. Students will engage in the creative, administrative, and promotional aspects of production. Students will also compile a thesis booklet. Prerequisites: DAN 3292 and DAN 3370 both with grades of "D" or better.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

DAN 4471. Dance Internship.
This course provides professional hands-on experience in the dance industry and is intended for students who do a full-time internship over the summer or during a regular full semester. Prerequisite: Instructor approval.
4 Credit Hours. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

Developmental Education (DE)

DE 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5305. Diversity and Education in a P-16 Context.
This course examines the core theories of diversity in a P-16 context. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to understanding postsecondary diversity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5321. The Community College.
Introduction to the community college and to its roles and functions in American education. Special attention will be directed to evolution, development, and patterns of organization, purposes programs, personnel and current issues of the community college. Students take DAE 5383 or DE 5321 may not take DE 7321 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking in the college and adult classroom. Topics will include variables in teaching and learning methods of assessment, and approaches to instructions. Students taking DAE 5371 or DE 5324 may not take DE 7324 for doctoral level credit.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5326. Curriculum Design in Postsecondary Developmental Education.
This course focuses on principles and processes of curriculum design in postsecondary developmental education contexts. The course scope includes an emphasis on the foundational literature in curriculum theory, as well as historical and current curricular structures and best practices specific to developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5339. Assessment and Evaluation in Developmental Education.
Foundations of students assessment and program evaluation for developmental education programs. Topics include: quantitative and qualitative classroom assessment; formative vs. summative assessment; test interpretation; social, legal, and ethical implications of assessment; reliability and validity; norm vs. criterion tests; placement test; program evaluation models; as well as formative and summative evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5365. Administration of Developmental Education.
An overview of the field of developmental education and of the various types of programs designed to meet the needs of the underprepared learner. Special emphasis is on needs assessment, program design, implementation, management and leadership, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5373. Grant Development and Management.
Course purposes include demystifying grant proposal writing and becoming acquainted with grant management resources. Student will locate funding sources, develop a proposal and budget, and explore accountability issues and processes for funded projects. Emphasis is on optimizing location and use of online grant information and developing professional networks. Students taking DAE 5373 may not take ED 7373 for doctoral level credit.
3 Credit Hours. 1.5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5375. Learners in Developmental Education Contexts.
This course provides a profile of the underprepared postsecondary student and an overview of the programs and instructional strategies appropriate for use with that target population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5378. Problems in Developmental Education.
This course is designed to examine topical problems faced by practitioners in developmental education. The topic of the course may change. Course may be repeated for credit with different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5379. Independent Study.
Individual problems or research topics designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 5384. Internship in Developmental Education.
Students seeking the M.A. degree must complete a one-semester, 150 clock hour practicum in an institution or agency other than their own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities involving program planning, management, budgeting, and evaluation. Prerequisites: foundation and core courses.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the Thesis 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 7199. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7299. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7301. Understanding Developmental Education Learners in a Diverse Society.
This course identifies the evolution, characteristics, demographics, and needs of developmental education learners. Emphasis is placed on understanding internal factors, including the cognitive, affective, and psychosocial needs of these students, as well as on analyzing external factors, including the social, political and institutional forces that impact developmental learners' educational experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7302. Policy and Politics in Developmental Education.
This course addresses the policy and politics of planning, funding, implementing, and evaluating Developmental Education programs in postsecondary education. Readings and discussions focus on current and historical issues relevant to addressing the academic needs of educationally disadvantaged students from the perspective of researchers, program directors, policy analysts, and instructors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7303. Teaching and Learning in Developmental Education.
The course focuses on the institutional development, intellectual development, learner development, and self-development for effective teaching and learning in developmental education. Topics include instructional and learner theories, pedagogies, assessment and evaluation techniques, and best practices for instruction and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7304A. Curriculum Design in Developmental Education.
This course focuses on principles and processes of curriculum design and implementation in developmental education contexts, including examination of emerging research and issues. The course pedagogy also engages students in independent curriculum research, planning, and problem-solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

DE 7304B. Theory and Research of Digital Literacies.
This course focuses on understanding the complex relationships between technology, teaching, and learning in varied developmental education environments. Tools and strategies for planning, integrating, and assessing technology-supported instruction are explored within frameworks linking theory to practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

DE 7304C. Student Motivation and Self-Regulation.
This course focuses on research-based theories of student motivation and self-regulation and highlights practical applications of these theories for students in developmental education contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7304D. Transformative Learning.
This course introduces students to the core principles of transformative learning. The course is a theory-driven, project-based advanced class designed to enable students to develop theoretical perspectives, engage in intensive practice, and understand the use of transformative learning for applications with postsecondary individuals, groups, and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7304E. Current Topics in Motivation Intervention Research.
In this course, we will analyze, synthesize, discuss, and apply cutting-edge research on various types of motivation interventions in education. Emphasis will be placed on theory, research, and practice in postsecondary educational settings and developmental education contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

DE 7305. Multicultural Education in a P-16 Context.
This course uses critical multicultural framework to trace the evolution of the developmental learner in a P-16 educational system. Students in this examine school practices and policies in an attempt to map the educational trajectory and improve the educational experiences of P-16 underrepresented and underserved students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7321. The Community College.
Introduction to community college and to its roles and functions in American education. Special attention will be directed to evolution, development and patterns of organization, purposes, programs, personnel and current issues of the community college.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7322. Learning Support Centers in Postsecondary Settings.
The course explores the learning assistance movement in postsecondary settings including its history, leaders, and current research. Topics include program planning; leadership, organization, and management; human and financial resources; facilities and equipment; legal responsibilities; equal opportunity and access; diversity; ethics; campus and community relations; and assessment and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7323. Academic Support for Students with Learning Disabilities.
The course focuses on Learning Disabilities (LD) and Executive Function (EF) Disorders and their nature, prevalence, and significance in postsecondary environments. Topics include theories about the origins and nature of LD and EF, development across the lifespan, characteristics of individuals, and approaches to service, delivery and teaching.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7324. Teaching Learning Strategies and Critical Thinking.
Theory and pedagogy of learning strategies, problem solving, and critical thinking skills in the college and adult classroom. Topics will include variables in teaching and learning, methods of assessment, and approaches to instruction. Students who have taken EDP 5371 or DAE 5371 cannot take this course for doctoral credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7325. Advising, Coaching, and Mentoring Learners in Postsecondary Education.
The course will focus on theories and techniques of academic advising, coaching, and mentoring skills for learners enrolled in postsecondary education. Didactic and experiential activities will provide students enrolled in the course with opportunities to learn and practice skill development within these academic support programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7380. Managing Developmental Education Programs.
In this course, students will learn the theoretical and practical elements of management of developmental education programs in higher education. Readings and discussions focus generally on best practices in higher education leadership and specifically on best practices in leadership and management in developmental education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7381. Practicum.
A 150-clock hour, one-semester practical experience in an institution or agency other than one's own; site selection needs approval of program coordinator. Practicum students will participate in leadership activities to include program planning, management, budgeting, and/or evaluation.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

DE 7390. Nature of Educational Inquiry.
Current paradigmatic and epistemological states of human inquiry are discussed presenting an opportunity to examine educational inquiry, create research knowledge related to the current state of the academy, and examine the issues of a research career.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DE 7399. Dissertation.
Original research and writing in Developmental Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7599. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7699. Dissertation.
Original research and writing in Developmental Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

DE 7999. Dissertation.
Original research and writing in Development Education to be accomplished under direct supervision of the dissertation chair. While conducting research and writing, students must be continuously enrolled. Prerequisite: All coursework.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Diversity Studies (DVST)

DVST 3301. Introduction to Diversity Studies.
The course is a general, multi-disciplinary and comparative survey of U.S diversity issues. It highlights the traditional minorities, such as African, Latino/a American, Native, and Asian Americas, as well as European American ethnic groups. It also explores issues related to religion, age, sexual orientation, gender identity, and physical ability/disability. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

DVST 3320. Introduction to Global Diversity Issues.
This course provides an understanding of relationship between U.S and other nations in terms of economics, politics, and culture. Students will examine how colonialism shaped developed and underdeveloped nations, investigate grassroots activism in response to globalization and will examine how policies formulation by one country has consequences for other countries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DVST 5310. Diversity Studies: Theories & Issues.
Focusing on the four major ethnic groups (Native Americans, African Americans, Mexican Americans, and Asian Americans), this interdisciplinary course introduces critical theories and issues relating to race, class, ethnicity, culture, and other areas of diversity in the United States. The literature component of the course will supplement the theoretical texts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DVST 5320. Global Issues in Diversity.
Course provides framework for analyzing diversity globally. Examines how globalization acts to shape and re-shape ethnic identity and ethnic antagonism. Course investigates how the shaping and re-shaping of ethnic identity influences immigration policy, reproductive rights, LGBTQ rights, and healthcare delivery.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

DVST 5388. Independent Study in Diversity Studies.
This course, which is part of an interdisciplinary minor, is open to graduate students on an individual basis by arrangement with the faculty member concerned. The course allows students to conduct research on diversity related topics in various academic fields. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Early Childhood Education (ECE)

ECE 4300. The Languages of Children: Acquisition and Use.
This course is designed to provide pre-service teachers with pertinent information regarding the development of language and cognition in pre-school and school-aged children. Information regarding language structure, the sequence of development as well as the cognitive and social aspects of language acquisition and use will be included. Prerequisites: 2.75 overall GPA. Junior classification required. Must be declared in a degree program that leads to teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 4310. Seminar for Teachers of Young Children.
Directed field experiences in observation, participation, problem solving, assessing and teaching in programs for young children. A minimum of 1.5 hour seminar per week is required in addition to assignment (three hours weekly) in an approved preschool or kindergarten program. Prerequisites: Admittance to the Educator Preparation Program; CI 3310, CI 3315, ECE 4300; Co-requisite: ECE 4352; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ECE 4352. Curriculum for Preschool and Kindergarten Children.
Emphasizes research, program development, and developmentally appropriate teaching strategies, materials and activities for children ages 3-6 and collaboration with families. Prerequisites: Admittance to the Educator Preparation Program; CI 3310, CI 3315, ECE 4300; Co-requisite: ECE 4310; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 4380. Independent Study in Early Childhood.
In-depth study of selected topics of current need or interest in early childhood education. Work due on independent study basis with faculty member and only with permission of department. Repeatable for credit with different emphasis. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ECE 5318. Advanced Early Child Development: Readiness for Learning and Language Abilities.
A study of the cognitive, affective, and psychomotor factors bearing on the young child's readiness for learning and acquisition of language. The course includes methods of child study, such as instruction, and practice in using observational techniques and anecdotal records. It includes the design and evaluation of specific readiness activities and guided field experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5319. Curriculum and the Young Child, I (Kindergarten).
Organization and evaluation of programs for young children. Translating developmental knowledge into effective practices, which may be employed in the total education of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5330. Curriculum and the Young Child, II (Kindergarten).
Advanced study of curriculum and materials used in educational programs for young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECE 5380. Independent Study in Early Childhood.
In-depth study of selected topics of current needs or interest in early childhood education. Work done on independent study basis with faculty member and only with permission of department. Repeatable once with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Economics (ECO)

ECO 2301. Principles of Economics.
A non-technical study of micro– and macroeconomic principles, including demand and supply, production and cost, market structures, aggregate output and performance of the economy, the business cycle and growth, unemployment and inflation, money and banking, fiscal policy, monetary policy, and international trade and finance. Not for business or economics majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080
Grade Mode: Standard Letter
TCCN: ECON 1301

ECO 2314. Principles of Microeconomics.
This course provides an introduction to the microeconomics of a modern industrial society. Emphasis is placed on supply and demand, cost and price concepts, market structures, income distribution, and similar issues. Prerequisite: MATH 1315 or MATH 1319 or MATH 1329 or MATH 2331 or MATH 2417 or MATH 2471 any with a grade of "D" or better or ACT Mathematics score of 27 or better or SAT Mathematics score of 580 or better or SAT Math Section Score 600 or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080
Grade Mode: Standard Letter
TCCN: ECON 2302

ECO 2315. Principles of Macroeconomics.
This course provides an introduction to the macroeconomics of a modern industrial society. Emphasis is placed on the analysis of national income, economic stability, fiscal policy, money and banking, economic growth, and international trade. Prerequisites: [AG 2383 or ECO 2314 either with a grade of "D" or better] and [MATH 1315 or MATH 1319 or MATH 1329 or MATH 2331 or MATH 2417 or MATH 2471 any with a grade of "D" or better or ACT Mathematics score of 27 or better or SAT Mathematics score of 580 or better or SAT Math Section Score 600 or better].
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ECON 2301

ECO 3301. Economics of Sports.
This course focuses on the business and economics aspects of professional and intercollegiate sports. Topics include the role of sports leagues, the demand for sports, the structure of labor markets in the four major sports, salaries of professional athletes, antitrust legislation, and intercollegiate athletics. Prerequisite: ECO 2314 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3304. Environmental Economics for Decision Makers.
Economic analytical tools and concepts are used to understand how the environment, economy, and businesses interact and the importance of public policy in shaping this interaction. Natural resources as inputs to production are explored. Current policy issues and environmental problems provide illustration and application. Prerequisite: ECO 2301 or ECO 2314 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3305. Law and Economics.
An analysis of the role of economics in the examination of law. This course considers the influence that economic theories have had on legal theory, including contracts, property, torts, business regulation, and crime. Prerequisite: ECO 2301 or ECO 2314 either with a grade of "C" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3311. Money and Banking.
A study of money and credit in the modern economy. Examines the development of modern money and banking systems, the structure of the Federal Reserve System, and monetary theory. Prerequisite: ECO 2314 and ECO 2315 both with grades of "C" or better and [MATH 1329 or MATH 2331 or MATH 2471] any with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3313. Labor Economics.
A study of the application to labor markets of supply and demand principles. Topics include the work/leisure decision, time allocation in the household, the demand for education and training, the firm's use of labor inputs, the impact of unions, and discrimination in labor markets based on race and gender. Prerequisite: ECO 2314 with a grade of "C" or better and [MATH 1329 or MATH 2331 or MATH 2471] any with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3314. Intermediate Microeconomics.
A study of theories of supply and demand; consumer and producer decision-making; firm pricing policies; product and resource markets under conditions of perfect and imperfect competition; and imperfect and asymmetric information. Prerequisite: ECO 2315 with a grade of "C" or better and [MATH 1329 or MATH 2331 or MATH 2471] any with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3315. Intermediate Macroeconomics.
An analysis of the traditional and modern theories of inflation, unemployment, long-run economic growth, and stabilization policies for promoting economic stability. Prerequisite: ECO 2314 and ECO 2315 both with grades of "C" or better and [MATH 1329 or MATH 2331 or MATH 2471] any with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3317. International Economics.
A study of the basis for trade among nations and the means of its financing, customs unions, balance-of-payments problems, and similar issues. (MULT). Prerequisite: ECO 2314 and ECO 2315 both with grades of "C" or better and [MATH 1329 or MATH 2331 or MATH 2471] any with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ECO 3320. Emerging Market Economies.
The course focuses on the structural characteristics of the emerging market economies, with an emphasis on analyzing the salient economic challenges and opportunities facing contemporary emerging market economies. (WI) Prerequisite: ECO 2314 and ECO 2315 both with grades of "C" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ECO 3327. Public Finance.
A study of the growth of the revenue and debt of the United States, taxation and tax incidence theory, and the effect of public expenditures and taxes on economic growth. (WI). Prerequisite: ECO 2314 and ECO 2315 both with grades of "C" or better and [MATH 1329 or MATH 2331 or MATH 2471] any with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ECO 3334. Business Enterprise and Public Policy.
A survey of the development and structure of American industry and of governmental regulation of business. (WI) Prerequisite: ECO 2314 with a grade of "C" or better; MATH 1329 or MATH 2331 or MATH 2471 with a grade of "D" or better; Overall GPA 2.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ECO 3335. Managerial Economics.
A study of the application of economic analysis in the formulation of business policies. Includes demand analysis and pricing policies. Prerequisite: ECO 2314 with a grade of "C" or better and [MATH 1329 or MATH 2331 or MATH 2471] any with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 3353. Comparative Economic Systems.
An analysis of the theory and practice of capitalism, socialism, and communism. Prerequisite: ECO 2301 or [ECO 2314 and ECO 2315] either with a grade of "C" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 4305. Urban and Regional Economics.
A study of urban and regional economic issues including regional growth, crime, transportation, and the urban-rural interface. A focus on sources and uses of models and data unique to regional science and urban economics. (WI) Prerequisites: ECO 2314 and ECO 2315 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ECO 4313. Econometrics.
This course studies statistical estimation, inference and forecasting methods used in economic research with a focus on models and methods unique to economics. (WI) Prerequisite: ECO 2314; ECO 2315; both with grades of "C" or better; QMST 2333; MATH 1329 or MATH 2331 or MATH 2471; all with grades of "D" or better; Overall GPA 2.0.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ECO 4390. Internship in Economics.
Integration of professional and academic experience through an internship with an external employer. Credit awarded as pass/fail or grade at departmental election. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

ECO 4395. Independent Study in Economics.
An in-depth study of a single topic or related problem solved through economic research. May be repeated once for credit with different emphasis. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ECO 5302. Economic Theory and Policy.
An intensive study of micro-and macroeconomic concepts; the price system as it functions under competition, monopoly, monopolistic competition and oligopoly; national income measurement and determination; business cycles; money and baking; monetary policy; fiscal policy and economic stabilization. May not be counted as an elective MBA course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ECO 5310. International Economics.
Examination of the patterns of trade and finance among nations, integrating the topics of exchange rates, trade barriers, customs unions, and macroeconomics policy into a unified treatment of international economic relations. Prerequisite: B A 5353 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ECO 5316. Managerial Economics.
The application of economic theory and analysis to the formulation of business policy, including demand analysis, production theory, linear programming, and pricing policy. (MBA with Technology Emphasis students complete TECH 5315.) Prerequisite: QMST 5334 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5320. Emerging Market Economies.
The course focuses on the structural characteristics of the emerging market economies, with an emphasis on analyzing the salient economic challenges and opportunities facing contemporary emerging market economies. Prerequisites: B A 5353 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ECO 5378. Macroeconomic Theory and Policy.
An analysis of theory and policy questions relating to the rate of economic growth. The theory of national income, employment and the price level from the point of view of dynamics. Students may take either BA 5378 or BA 5316. Prerequisite: BA 5302 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Education (ED)

ED 7199A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7199B. Dissertation.
Original research and writing in Education-School improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7299A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7299B. Dissertation.
Original research and writing in Education-School improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7310. Instructional Roles in Counseling, Leadership, Adult Education & School Psychology.
This seminar is intended to prepare graduate teaching and instructional assistants in the CLAS Department to function effectively in various instructional and instructional support roles. Required for first-year teaching assistants and GIAs. This course does not earn graduate degree credit. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ED 7311. Educational Philosophy in a Social Context.
This course examines the philosophical foundations of education from the time of Plato through current writings. It frames these foundations through the lens of educational challenges of today. Readings include classical and current writings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7312. Leadership and Organizational Change.
This course will familiarize students with different perspectives on organizations, different paradigms by which they might be viewed, and a survey of research done on organizations, organizational leadership and change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7313. Advanced Studies in Adult Learning and Development.
This advanced seminar will examine research and theoretical literature on a variety of topics including: characteristics of adult learners; models of adult cognitive and psychosocial development; adult cognition, memory, and intelligence; and principles for facilitating adult learning. Restricted to Ph.D. in Education degree, Major in School Improvement.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7314. Community Development for Educators.
Examines models and methods of community development as relevant to the practice and scholarship of formal and non-formal education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7315. Models of Inquiry: Understanding Epistemologies.
This course examines the philosophies informing different research epistemologies, and examples of how these can be actualized methodologically. Philosophies to be analyzed include feminism, and race-based theory. This course will help students see the multiple possibilities for conducting research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7316. Advanced Studies in Adult Development.
This course examines current theories of adult development, fundamental developmental changes in adulthood, and the implications for practice in adult education. Restricted to students admitted to the Education Ph.D. Program- APCE major or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7318. Advanced Studies in Adult Learning.
This advanced seminar will examine research and theoretical literature on a variety of topics related to adult learning such as: characteristics and diversity of adult learners; key theories of adult learning; alternative perspectives on adult learning; intelligence, aging and wisdom; and learning in the digital age. Restricted to students admitted to the Education Ph.D. Program – APCE major or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7320. Literature Review for Research Writing.
In this seminar course, students conduct a careful examination of a body of literature related to a research topic in adult/professional/community/lifelong education. The literature review tests research questions in relation to what is published about a topic, discusses various positions, crafts coherent arguments and addresses knowledge gaps. Prerequisites: ED 7352 or ED 7351, all with a grade of "B" or better. Restriction: Doctoral standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7321. Historical and Philosophical Foundations and Contemporary Issues in Adult Education.
Examines historical and philosophical foundations for the study and practice of adult professional, and community education in formal and non-formal settings; and contemporary issues in adult education in a "learning society." Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7322. Human Resource and Professional Development.
Examines the methods, practices, and issues of facilitating learning related to occupational, professional, and volunteer roles. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7323. Community/Organizational Leadership and Management.
Examines issues and strategies related to the operation and delivery of educational programs in post-secondary, adult, and community settings. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7324. Problems and Strategies in Program Planning Seminar.
Addresses principles and procedures, issues and trends, utilization of assessment, goal setting, and other effective strategies for developing learning opportunities and programs responsive to human, professional, and community needs. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7326. Theoretical Foundations of Educational Policy, Politics and Practice.
This course examines the historical and theoretical underpinnings informing educational policy, politics and social justice. It addresses both the micro and macro levels of the context, values, and cultural norms guiding policy and practice in a democratic society. Prerequisites: ED 7311 and ED 7312 and ED 7313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7327. Education Policy Development.
This course equips students with the skills needed to analyze the origins and consequences of existing policy and to play active roles in policy development for educational equity and social justice. Prerequisite: ED 7326 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7328. Research and Analysis in Education Policy.
This course engages students in a field-based educational policy research project using quantitative and qualitative techniques. Students will develop their skills to identify policy issues, gather and analyze data, and draw conclusions, and disseminate findings. Prerequisites: ED 7326 and ED 7327 and ED 7351 and ED 7352, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7329. Field-Based Experience in Educational Policy.
This course provides fieldbased practice in policy analysis and development from a democratic and social justice perspective. With guidance from a university faculty supervisor and site mentor, the student will develop and implement a policy project related to democracy and social justice. Prerequisite: ED 7328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7331. Foundations of School Improvement.
Examines school improvement efforts from philosophical, political, psychological, cultural, ethical, and technological foundations. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7332. Facilitating School Improvement.
Examines school culture, schools as learning communities, the change process, and research-based school improvement models, with experiential applications. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7333. Curriculum and Instructional Leadership.
Examines the relationship between curriculum, instructional improvement, and teacher development, with experiential applications. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7334. Models of Educational Assessment.
Includes assessment of student learning at the individual, classroom, school, and system level; teacher assessment; and program assessment. Prerequisites: Core courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7341. Dissertation Proposal Development.
In this course students approaching dissertation stage meet in a seminar designed to help them clarify their research problem and develop a preliminary proposal for the dissertation. Core and concentration courses must be completed with minimum grades of "B" in each course prior to taking ED 7341. Prerequisites: ED 7351 and ED 7352, and ED 7353 or ED 7354, all with a grade of "B" or better. Departmental approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7345. Human Resources and Instructional Management.
This course focuses on the twin areas of human resource administration and instructional improvement. Topics addressed include legal requirements for personnel management, staff supervision, appraisal, and development, curriculum planning and alignment and student assessment. Students taking the course will complete an original research project under the instructor's direction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7347. The Superintendency.
This course addressed issues critical to superintendents in Texas. These include leadership, leadership assessment, school board relations, and other governance issues, management strategies, the role of public education in a democratic society, and professional ethics. Students taking the course will complete an original research project under the instructor's direction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7349. School Finance and Business Management.
This course focuses on the financing of public schools. Students will examine the school budgeting process, sources of school revenues, principals of taxation, methods of school fund accounting, and techniques of business management. Students taking the course will complete an original research project under the instructor's direction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7351. Beginning Quantitative Research Design and Analysis.
Includes descriptive statistics; sampling techniques; statistical inference including the null hypothesis, significance tests, and confidence intervals; and causal-comparative analyses, including t-test and ANOVA. Prerequisites: Core and Concentration courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7352. Beginning Qualitative Design and Analysis.
Introduces the qualitative paradigm. Includes distinctive features, alternative qualitative traditions, purposeful sampling, common data collection methods, inductive analysis, the role of the researcher, and evaluating qualitative research. Prerequisites: Core and Concentration courses or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7353. Intermediate Quantitative Research Design and Analysis.
This course focuses on issues in the design and implementation of quantitative research. Topics include ANOVA, ANCOVA, and MANOVA, correlation analysis, regression analysis, nonparametric tests, and relationships between experimental designs and statistical analysis techniques. Prerequisite: ED 7351 with a grade of "B" or better, or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7354. Intermediate Qualitative Design and Analysis.
Focuses on issues in design and implementation of qualitative research. Topics include influence of alternative traditions, literature in qualitative research, access to the field and ethical issues, researcher-participant relationships, purposeful sampling strategies, inductive analysis procedures, developing theory, and reporting research. Prerequisite: ED 7352 with a minimum grade of "B", or instructor's permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7357. Advanced Study in Action Research.
This course examines underlying theory, practice, skills, and issues in action research. Conducting research in the area of action research is also addressed. This course is an appropriate elective for majors in School Improvement or Adult, Professional and Community Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7359. Seminar in Quantitative Research.
This course is a small group seminar that focuses on analytic strategies specific to the doctoral student's dissertation topic. Examples include structural equation modeling, hierarchical linear modeling, log linear modeling, non-parametric analyses, factor analysis, factorial analysis of variance, and other multivariate statistical methods. Prerequisites: ED 7351 and ED 7353, all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7361. Understanding People: Professional Development.
Fundamental issues related to development of personnel. Knowledge of staff appraisal, adult learning and development, and staff development. Focus on professional development in K-12 schools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7362. Supervision of Instruction.
Concepts of curriculum and instructional models for schools will be developed. Factors such as curriculum leadership and instructional improvement are considered as part of the internal environment. An emphasis will be placed on supervision knowledge, skills, and tasks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7363. Curriculum Design.
Theory and practice in planning for curriculum needs assessment, development, implementation, and evaluation. Focus on K-12 school curricula. Students who have completed EDA 6342 may not take this course for doctoral credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7364. Team Development in Education.
This course addresses the development and use of educational teams to improve educational organizations, teaching, and learning. Because of its focus on education, it is recommended only for doctoral students preparing for careers in educational settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7371. Anthropology and Education.
This course introduces the student to the basic concepts in anthropology and education and sketches the application of these concepts. It explores the research in anthropology and education with relevance to both K-12 schools and other, more general educational settings. The course is an appropriate elective for Education Ph.D. majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7378. Problems in Education.
Individual problems or topics will be designed and completed to emphasize selected areas of study. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted
Grade Mode: Standard Letter

ED 7379. Independent Study.
Individual problems or topics will be designed and completed to emphasize selected areas of study in the Counseling, Leadership, Adult Education & School Psychology Department. May be repeated for additional credit at the discretion of the program coordinator.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ED 7389B. Seminar in International Educational Research: Chile.
This course develops theoretical knowledge, methodological skills, and scholarly capacity for international educational research. It focuses on research within the complex educational environment of Chile, involving seminar components held at the university and research fieldwork in Chile. International research is framed as a form of service learning. Restricted to students in the PhD in Education program.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389C. Advanced Theory in Qualitative Research.
This course features advanced study in qualitative research methods. The course studies such methods as ethnography, case study, phenomenology, narrative analysis, post-qualitative research, grounded theory, or more advanced qualitative research in general and their constitutive field techniques. Prerequisites: Introduction to Qualitative Research and Intermediate Qualitative Research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389D. Advanced Theory in Qualitative Research: Narrative Research.
The purpose of this course is to explore the possibilities of narrative research. The course will provide an overview of narrative inquiry, look at various theories and corresponding examples of research, and explore, analyze, and interpret data using narrative methods. Prerequisites: Introduction to Qualitative Research and Intermediate Qualitative Research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389E. Mexican Perspectives on Mexico - U.S. Immigration.
The course gives U.S. educators an understanding of Mexican to U.S. immigration from Mexican women's perspectives. Students will read background information and visit Mexico where through lectures, field interviews, and field visits, they will view immigration from the "other side". They will analyze and write up data when they return.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389H. Oracy and Language Expression for Educators.
This course focuses on the theory and practice of language expression. It emphasizes the relationship between audience analysis, speaker goals, organized outlines, delivery and development of personal style of presentation skills. The course offers direct experience writing, delivering, and constructively evaluating public speeches in a variety of educational contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389L. Writing for Publication.
Students will hone their writing skills. Students will work individually and in groups, getting feedback from other students and the instructor. Topics include APA style, getting started, first drafts, polishing and tightening, re-writing, submitting a manuscript, responding to feedback/reviews and more. Restricted to masters' and doctoral students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

ED 7389M. Shifting Demographics in Texas: Exploring Education, Democracy and Healthy Communities.
Students will explore the shifting population in Texas through multiple frames including historical, sociological, anthropological and political. Class will canvas the literature and emerging community conditions as a vehicle for imagining possible theoretical, policy and local responses to the conditions we see in schools and local communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389O. Educational Privatization: Policies, Actors, and Effects.
This course interrogates the origins and outcomes of educational privatization. In this course, students will review the foundations of education as a public good, study frameworks and theories of privatization, trace public policies promoting privatization, delineate types of educational privatization over time, and examine the actors involved in educational privatization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389P. International Comparative Adult, Community, and Higher Education Research and Study: Italy.
This course develops theoretical knowledge, methodological skills, and scholarly capacity for educational research. It focuses on comparative adult, higher, and socio-cultural education within the complex educational environment of Italy, involving seminar components held at the university and research fieldwork and presentation in Italy. Prerequisite: Should the student not be able to participate in the international component of the course, a domestic alternative can be discussed prior to enrollment.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7389Q. Schools, Communities and Race in a Democratic Society.
The class explores race through a personal lived perspective. This class will view race as a social construct. Students will interrogate the phenomena of race through multiple lens and frames, including but not limited to, an ontological perspective, its use in organizations, and its use in re-segregating society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ED 7399A. Dissertation.
Original research and writing in Adult, Professional, and Community Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted
Grade Mode: Credit/No Credit

ED 7399B. Dissertation.
Original research and writing in School Improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted
Grade Mode: Credit/No Credit

ED 7599A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7599B. Dissertation.
Original research and writing in Education-School improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7699A. Dissertation.
The student conducts original research and writing in Adult, Professional, and Community Education, guided by the direct supervision of the dissertation chair. While conducting dissertation research and writing, students must be continuously enrolled.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7699B. Dissertation.
Students produce a dissertation under direct supervision of dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled. Prerequisites: Core, Concentration, and Methodology courses or instructor's permission.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7999A. Dissertation.
Original research and writing in Education-Adult, Professional and Community Education, to be accomplished under direct supervision on the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ED 7999B. Dissertation.
Original research and writing in Education-School Improvement, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Education Student Teaching (EDST)

EDST 4380. Student Teaching All-Level I.
Students will apply knowledge and skills learned during the teacher preparation program while engaging in clinical practice with experienced EC-6/4-8 mentor teachers in school settings with university instruction and supervision. This culminating experience is required for Texas teacher certification and is a half-semester course designed for students seeking All-Level certification. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA; additional coursework may not be taken concurrently except for the co-requisite; for undergraduate students, all other degree-required coursework must be completed; for graduate and post-baccalaureate students, all other certification coursework must be completed; requires departmental approval through Office of Educator Preparation application process. Corequisites: EDST 4381 with a grade of "D" or better.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDST 4381. Student Teaching All-Level II.
Students will apply knowledge and skills learned during the teacher preparation program while engaging in clinical practice with experienced 7-12 mentor teachers in school settings with university instruction and supervision. This culminating experience is required for Texas teacher certification and is a half-semester course designed for students seeking All-Level certification. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA; additional coursework may not be taken concurrently except for the co-requisite; for undergraduate students, all other degree-required coursework must be completed; for graduate and post-baccalaureate students, all other certification coursework must be completed; requires departmental approval through Office of Educator Preparation application process. Corequisites: EDST 4380 with a grade of "D" or better.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDST 4680. Student Teaching 4-8.
Students will apply knowledge and skills learned during the teacher preparation program while engaging in clinical practice with experienced 4-8 mentor teachers in school settings with university instruction and supervision. This culminating experience is required for Texas teacher certification. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA; additional coursework may not be taken concurrently; for undergraduate students, all other degree-required coursework must be completed; for graduate and post-baccalaureate students, all other certification coursework must be completed; requires departmental approval through Office of Educator Preparation application process.
6 Credit Hours. 1 Lecture Contact Hour. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDST 4681. Student Teaching 7-12.
Students will apply knowledge and skills learned during the teacher preparation program while engaging in clinical practice with experienced 7-12 mentor teachers in school settings with university instruction and supervision. This culminating experience is required for Texas teacher certification. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA; additional coursework may not be taken concurrently; for undergraduate students, all other degree-required coursework must be completed; for graduate and post-baccalaureate students, all other certification coursework must be completed; requires departmental approval through Office of Educator Preparation application process.
6 Credit Hours. 1 Lecture Contact Hour. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDST 4687. Student Teaching EC-6.
Students will apply knowledge and skills learned during the teacher preparation program while engaging in clinical practice with experienced EC-6 mentor teachers in school settings with university instruction and supervision. This culminating experience is required for Texas teacher certification. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA; additional coursework may not be taken concurrently; for undergraduate students, all other degree-required coursework must be completed; for graduate and post-baccalaureate students, all other certification coursework must be completed; requires departmental approval through Office of Educator Preparation application process.
6 Credit Hours. 1 Lecture Contact Hour. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Educational Leadership (EDCL)

EDCL 5100. Educational Leaders' Continuing Professional Development.
This course provides state-of-the-art continuing professional development for in-service, non-degree seeking educational leaders. New topics will be addressed with each offering. The course may be repeated once if necessary.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5339. Understanding Self: Developing a Personal Vision of Leadership.
Successful leadership in organizational settings requires an understanding of human behavior. This understanding begins with the knowledge of self and leads to the understanding of others. The focus of this course is on the individual student. The intent is to enhance the student's self-awareness of values, beliefs, and attitudes related to successful school leadership.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5340. Shaping Organizations and Using Inquiry: Management and Leadership.
This course includes an understanding of the basic structural components of educational organizations and the theoretical frameworks that describe organizational behavior. Students will focus on the process of action research, planning, decision-making, change in organizations, and leadership. Prerequisites: EDCL 5339, EDCL 5345, EDCL 5347, and EDCL 5348.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5345. Understanding People: Professional Development.
This course includes fundamental issues related to the development of personnel, entry-level knowledge of staff appraisal, adult learning and development, and staff development. Prerequisite: EDCL 5339. Corequisite: EDCL 5339.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5347. Understanding Environments: Social, Political, Economic, Legal, and Technological.
Concepts of the internal and external environment of educational organizations are explored. Entry level concepts are presented in areas of school environments. Prerequisite: EDCL 5339. Corequisite: EDCL 5339.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5348. Supervision of Instruction.
Concepts of curriculum and instructional leadership models for schools will be developed. Factors such as curriculum leadership and instructional improvement are considered part of the internal environment of schools. Prerequisite: EDCL 5339 and EDCL 5345.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5349. Practicum in Instructional Leadership.
Students obtaining an MA in educational leadership with a concentration in instructional leadership apply the knowledge and skills they have developed in their program of study in a school setting, with mentoring by a school administrator and under the supervision of a faculty member in the educational leadership program. Prerequisite: EDCL 5339, EDCL 5345, EDCL 5348, EDCL 6342, EDCL 6352, and EDCL 6358.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 5388. Problems in Administration.
Individual problems not related to thesis or research problems. Designed to place emphasis on selected areas of study. May be repeated once for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6342. Curriculum Design.
Theory and practice in planning for curriculum needs assessment, development, implementation, and evaluation. Prerequisite: EDCL 5339, EDCL 5345, EDCL 5347, EDCL 5348, and EDCL 6352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6343. Continuous School Improvement.
Applies the concept and principles of Total Quality Improvement to schools and classrooms and integrates Total Quality Improvement with other school improvement models. Prerequisite: All Level I core courses or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6344. Campus Leadership.
This course develops campus leadership skills for elementary and secondary schools, focusing on the role and functions of the principal as a leader. Students practice skill development in evaluation processes, student activity programs, staffing patterns, site-based decision-making, community relations, and accounting procedures. Prerequisites: EDCL 5339, EDCL 5345, and EDCL 5348. Corequisite: EDCL 5347.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6345. Human Resources and Instructional Management.
This course applies principles of leadership to the twin areas of human resource administration and instructional improvement. Topics addressed include legal requirements for personnel management including staff supervision, staff appraisal, staff development, curriculum planning and alignment, and student assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6347. The Superintendency.
This course addresses issues critical to superintendents in Texas. These include leadership and leadership development, school board-superintendent relations, management strategies, the role of public education in a democratic society, and professional ethics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6348. School Law.
This course examines the constitutional provisions, statutory laws, court decisions, and regulations governing public schools with special reference to state and federal relationships. Prerequisite: EDCL 5339, EDCL 5345, EDCL 5347, EDCL 5348, EDCL 6342, EDCL 6344, EDCL 6358, and EDCL 6387.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6349. School Finance and Business Management.
This course applies principles of leadership to the financing of public schools. Students will develop skills in projecting district revenues, budgeting development and analysis, sources of school revenue, principles of taxation, financial accountability, and techniques relevant to the effective leadership of school business matters.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6351. Instructional Models.
Characteristics of effective teaching are identified and correlated with learning theories and their corresponding instructional models. Matching instruction to the needs of learners and integrative approaches are emphasized. Prerequisites: All Level I and II courses or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6352. School as Center of Inquiry.
Prepares the educational leader to be an intelligent consumer of research and to assume a leadership role in school-wide action research. This course is a prerequisite for EDCL 6358. Prerequisites: EDCL 5339 and EDCL 5345. Corequisite: EDCL 5345.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6358. Integrative Seminar.
This course integrates key theories, concepts, and principles learned during the student's course of study. The student will complete a paper including an action research plan designed to solve an educational problem present within a specific educational setting. The master's student will defend the plan during the oral examination. Prerequisites: EDCL 5339, EDCL 5345, EDCL 5347, EDCL 5348, and EDCL 6352. Corequisite: EDCL 5348.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 6387. Principal Field-Based Practicum I.
The practicum provides students the opportunity to develop leadership skills needed by principals of elementary and secondary schools. Students will develop a practicum proposal in cooperation with their site-mentor and university supervisor. The course focus is on the development of administrative skills in a real world setting. Prerequisites: EDCL 5339, EDCL 5348, EDCL 6344, and EDCL 6358. Corequisites: EDCL 6344 and EDCL 6358.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 6388. Principal Field-Based Practicum II.
This course is a continuation of EDCL 6387 and allows students to continue projects and activities begun in the fall semester and to work further with their on-site mentor and university supervisor. This course is offered in the spring semester only. Prerequisites: EDCL 5339, EDCL 6358, and EDCL 6387.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 6389. Superintendent's Practicum I.
The practicum is intended to give prospective school superintendents the opportunity to hone their leadership skills under the guidance an experienced and successful school leader. Offered fall semester only and may be taken concurrently with other superintendent certification courses.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 6390. Superintendent's Practicum II.
A continuation of EDCL 6389, this course allows students to carry through projects and activities begun in the fall semester and to work further with their on-site mentor and university supervisor. Offered spring semester only. May be taken concurrently with other superintendent certification courses. Prerequisite: EDCL 6389.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 7100. Educational Leaders' Continuing Professional Development.
This course provides state-of-the-art continuing professional development for in-service, non-degree seeking educational leaders. New topics will be addressed with each offering. The course may be repeated as necessary.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 7344. Campus Leadership.
Develops the skills needed as a practitioner in elementary and secondary schools, focusing on the role and functions of the principal as a leader. Activities lead participants to practice skill development in evaluation processes, student activity programs, staffing patterns, site-based decision-making, community relations, accounting procedures, as well as other skills. Prerequisites: All Level I core courses, and EDCL 6342, EDCL 6343, EDCL 6348, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 7348. Public School Law.
Examines constitutional provision, statutory laws, court decisions, and regulations governing public schools, with reference to state and federal relationships. Participants develop skills in researching and interpreting law, policy development and impact on public schools and communities. (Note: Students who took EDCL 6348 may not repeat this course for doctoral credit.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDCL 7387. Field Practicum, Part I.
Students seeking Principal Certification must complete this field-based 2 semester internship focusing on actual experiences with each of the state standards. The practicum provides opportunities to plan, produce, participate in, and reflect upon campus leadership. (Note: Students who took EDCL 6387 may not repeat these courses for doctoral credit.).
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 7388. Field Practicum Part II.
Students seeking Principal Certification must complete this field-based 2-semester internship focusing on actual experiences with each of the state standards. The practicum provides opportunities to plan, produce, participate in, and reflect upon campus leadership. (Note: Students who took EDCL 6388 may not repeat these courses for doctoral credit.).
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 7389. Superintendent Practicum I.
The practicum provides prospective superintendents and district leaders with practical experiences to prepare for various roles and responsibilities of central office leadership. Students work under the joint mentorship of a practicing school superintendent and a university supervisor. Offered fall semester only. May be taken concurrently with other superintendent certification courses. Prerequisite: ED 7347 with a grade of "B" or better.
3 Credit Hours. .5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

EDCL 7390. Superintendent Practicum II.
This course is a continuation of EDCL7389 Superintendent Practicum I, providing prospective district leaders with practical experiences to prepare for central office leadership. Students work under the joint mentorship of a practicing school superintendent and a university supervisor. May be taken concurrently with other superintendent courses. Prerequisite: EDCL 7389.
3 Credit Hours. .5 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

Educational Psychology (EDP)

EDP 1350. Effective Learning.
A study of the acquisition of procedural knowledge through the application of human learning theory, cognitive behavior modifications, and developmental psychology. Generalization and transfer of this knowledge will be emphasized. Repeatable for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: EDUC 1300

EDP 2150. Strategic Learning.
Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for college-level academic strategies. Students use assessment instruments to help them identify their own strengths and weaknesses as strategic learners.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Educational Technology (EDTC)

EDTC 3300. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of computers, mobile devices, and online applications in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5310. Introduction to Educational Technology.
This course provides hands-on experience with a variety of educational uses of microcomputers in early childhood, elementary, middle, and high schools. Review of relevant research and discussion of current issues will also be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5315. Advanced Educational Technology.
This course deals with both instructional and multimedia design principles. Students will design, implement, and evaluate an extended technology project to solve an instructional problem. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5320. Models of Integration of Educational Technology.
Students will examine trends and issues related to the integration of technology in instruction based on learning theory, learners' needs, teaching strategies/practices, social and psychological factors, and state/national standards. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5325. Managing Educational Technology.
This course is designed to help the Educational Technologist manage the various needs and technologies in the school setting. Emphasis will be placed on planning for integration and management, hardware issues, software issues, and personnel issues. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5330. Implementing Technology in Education.
This course is designed to introduce students to those leadership skills required for implementing technology in an education program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5334. Online Learning and Course Design.
This course will examine theoretical and research perspectives of learning in an online context. Students will analyze on-line tools in relation to teaching objectives and design an online component to a course they teach. Students will evaluate this online component through an action research project. Prerequisites: CI 5390 and EDTC 5310 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5335. Instructional Design for Educational Technology.
This course will focus on the use of instructional design principles in Educational Technology to solve instructional problems. Topics covered include developing teacher training materials, courses, individualized instruction, websites, multimedia projects, workshops, and on-line instruction in the education setting. Prerequisite: EDTC 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5340. Issues in Educational Technology.
This course will provide students with information on current issues and trends to enhance their ability to function effectively as educational technology leaders at the school, district, or agency level. Students will prepare proposals and plans for their internship. May be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5341. Digital Fabrication and Simple Electronics.
This course teaches the use of creativity within educational maker spaces, to inform educators (and their students K-12 grade) to think creatively using digital fabrication and technology. A maker space is a place where people come together to create with technology. Prerequisite: EDTC 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EDTC 5345. Educational Technology Internship.
The Educational Technology Internship allows the intern to apply theory into practice in a real world setting. The intern is provided site-based opportunities for applying leadership skills in training teachers to use technology in an educational setting.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Credit/No Credit

Electrical Engineering (EE)

EE 2400. Circuits I.
This course provides an introduction to the profession of Electrical Engineering and its specialties. Fundamental DC and sinusoidal steady-state circuit analysis techniques include Ohm's law, power, Kirchoff's laws, and Thevenin and Norton equivalent circuits. Prerequisites: MATH 2471 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

EE 2420. Digital Logic.
An introduction to fundamental computer technologies, including Boolean logic design, logic circuits and devices, and basic computer hardware are studied. Laboratories provide hands-on experience with electricity, combinational and sequential digital circuits, and computer hardware. Prerequisite: CS 1428 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 3326. Numerical and Scientific Data Analysis Using Python.
This course introduces Python programming for engineers. Topics include basics of Python programming, introduction to numerical Python (NumPy), scientific programming using Python (SciPy), data visualization using Matplotlib, data processing using Pandas and introduction to Object Oriented Programming using Python. Prerequisite: CS 1342 or CS 1428 either with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

EE 3340. Electromagnetics.
Topics in this course include wave propagation, Maxwell's equations, transmission lines, wave guides, and antennas. Prerequisite: EE 3400 and MATH 3373 and PHYS 2425 and PHYS 2435 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 3350. Electronics I.
Analysis and design of active device equivalent circuits with emphasis on transistors, switching circuits, and operational amplifiers. Prerequisites: EE 3400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 3355. Solid State Devices.
Semiconductor materials, principles of carrier motion, operating principles and circuit models for diodes, bipolar transistors and field-effect transistors. Introduction to integrated circuits. Prerequisite: EE 3400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 3370. Signals and Systems.
Frequency domain representation of signals and systems and frequency domain concepts for circuit analysis and design. Transfer function and frequency response, Laplace and z-transforms, Fourier series, Fourier transform, and sampling. Prerequisite: EE 3400 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 3400. Circuits II.
This course includes a brief review of EE 2400, transient analysis, application of Laplace transforms, Bode plots, and network principles. Materials learning in EE 2400 is extended and applied here. Prerequisites: EE 2400 and MATH 3323 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

EE 3420. Microprocessors.
Introduction to microprocessors, principles of operation, assembly language programming, timing analysis, and I/O interfacing. Prerequisites: EE 2420 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

EE 4321. Digital Systems Design Using HDL.
This course will cover the design of digital systems using HDL including implementation of custom microprocessor and peripheral architectures. Prerequisite: EE 3420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4323. Digital Image Processing.
This course provides the necessary fundamental techniques to analyze and process digital images. It covers principles, concepts, and techniques of digital image processing and computer vision. Prerequisites: CS 1428 and EE 3420 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4350. Electronics II.
Analysis and design of integrated circuits, feedback, and frequency response. Prerequisites: EE 3350 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4351. Fundamentals of Electroceramics.
Introduction to binary and ternary phase diagrams, non-centro-symmetric crystal structures and symmetry groups, nonlinear dielectrics (including ferroelectricity, piezoelectricity, pyroelectricity), nonlinear magnetics, oxide wideband gap semiconductors, detectors and sensors, brief introduction to MEMS, radhard electronics, and spintronics technology. Research oriented labs related to materials processing, characterization, fabrication, and testing. Prerequisite: ENGR 2300 with a grade of "C" or better and a minimum 2.25 Overall GPA. Corequisite: EE 3355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4352. Introduction to VLSI Design.
Analysis of design of CMOS integrated circuits. Introduction to CAD tools for VLSI design. Prerequisites: EE 3350 and [CS 2420 or EE 2420] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4353. Fundamentals of Advanced Semiconductor Technology.
Key concepts of advanced semiconductor technology including Moore's law, MOSFETs and CMOS, CMOS scaling, high-K gate dielectrics, new channel materials replacing silicon, three dimensional device structures, compound semiconductor MESFET, HEMT, LED, Lasers and solar cells. Prerequisite: EE 3355 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4354. Flexible Electronics.
This course will cover the materials systems, processes, device physics and applications of flexible electronics. The materials range from amorphous and nanocrystalline silicon, organic and polymeric semiconductors to solution cast films of carbon nanotubes. Real device discussions include high speed transistors, photovoltaics, flexible flat-panel displays, medical image sensors, etc. Prerequisites: EE 3350 and EE 3355 and EE 4350 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4355. Analog and Mixed Signal Design.
Operational amplifier design applications, feedback, offset, stability, and compensation. Introduction to random signals and noise, discrete time circuitry analog-to-digital converters, and digital-to-analog converters. Prerequisites: EE 3370 and EE 4350 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4356. Power Electronics.
This course provides an introduction to power electronics and the use of such circuits for the control and conversion of electric power. Topics include semiconductor power devices and characteristics, DC-DC and multilevel converters, power inverters, and AC voltage controllers. Prerequisite: EE 4350 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4358. Introduction to Microelectromechanical Systems.
This course will cover fabrication techniques for microelectromechanical devices and systems as well as provide an introduction to the design of micromechanical transducers. Co-requisite: MFGE 4392 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4360. Linear Control Systems.
This course provides an introduction to linear continuous-time and discrete-time automatic control systems. Topics include time and frequency domain modeling and analysis, state variable analysis, feedback, transient and steady state response, stability, and sensitivity. Prerequisite: EE 3370 and MATH 3377 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4370. Communication Systems.
Transmission of signals through linear systems, analog and digital modulation, filtering, and noise. Prerequisites: EE 3370 and IE 3320 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4372. Communication Networks.
Data communication concepts, protocols, algorithms, 7-layer OSI model, physical media, LAN architecture and components, Ethernet, FDDI, TCP/IP, and related standards. Prerequisite: EE 2400 and EE 3420 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4374. Introduction to Wireless Communication.
Principles, practice, and system overview of mobile systems. Modulation, demodulation, coding, encoding, and multiple access techniques. Prerequisites: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4375. Building a Smart Grid Architecture.
In this course, students will learn the current 20th-century power grid structure and the key elements required to transform it to a 21st-century Smart Grid. Topics include two-way power/data flow to monitor, control, manage and integrate traditional bulk generation and bulk/renewable/distributed generation. Prerequisite: EE 3370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 4376. Introduction to Telecommunications.
Fundamentals of telecommunications, telephone networks, switching and transmission systems, circuit and packet switching, cell processing, and queuing theory and applications. Co-requisite: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4377. Introduction to Digital Signal Processing.
Discrete systems, convolution, spectral analysis, and FIR and IIR filter design. Prerequisites: EE 3370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4378. Data Compression and Error Control Coding.
Introduction to information theory, information content of messages, entropy and source coding, data compression, channel capacity data translation codes, and fundamentals of error correcting codes. Corequisite: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

EE 4390. Electrical Engineering Design I.
This course is a team-based design of a system or component, which will include oral presentations and written reports. Prerequisites: EE 3350 and EE 3370 and EE 3420, all with a grade of "C" or better. Co-requisites: EE 4352 or EE 4370. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

EE 4391. Electrical Engineering Design II.
Advanced team-based design of a system or component, which will include oral presentations and written reports. (WI) Prerequisites: EE 4390 with a grade of "C" or better. Corequisite: EE 4352 or EE 4370 either with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

EE 4399A. Dynamic Data Acquisition and Analysis.
Methods for acquiring and analyzing dynamic (time-varying) data. Frequency domain analysis, analog-to-digital conversion, windowing, and digital filtering taught in the context of various industrial applications. Prerequisite: EE 3370 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 4399B. Overview of Information Theory and Coding.
Fundamentals of Information Theory, Huffman coding, image encoding techniques, Hamming and BCH error control codes, Reed-Solomon coding, convolutional codes and the Viterbi decoding algorithm. Prerequisite: EE 3370 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5320. Advanced Computer Architecture and Arithmetic.
This course teaches design and analysis of high-performance computer systems, focusing on quantitative analysis of the latest processors and compilers. Current processor architectures are surveyed for system design. Topics include instruction sets, parallelizing architectures, pipelining, I/O, memory and cache organization, parallel/vector processing, fast arithmetic units design, and implementation using HDL. Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5321. Computer-Aided Engineering Simulations on HPC Systems.
This course covers development of simulations for engineering applications that are solved using High Performance Computing (HPC) environments. Topics include programming techniques for multicore processors, processor and memory architecture, computation for dense and spare linear algebra applications, computational temperature analysis, fluid dynamics, stencil and stochastic algorithms, and other applications. Prerequisite: EE 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5323. Digital Image Processing.
This course provides the necessary fundamental techniques to analyze and process digital images. It covers principles, concepts, and techniques of digital image processing and computer vision. Restricted to students enrolled in the MS Engineering program. Prerequisite: EE 3420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5330. Embedded and Real-Time Computing.
This course teaches development of embedded computing systems with strong resource constraints. Key concepts include managing constrained memory and processing speed limitations, and programming for soft and hard real-time constraints. Students will learn use of a Real-Time Operating System (RTOS). Prerequisites: EE 3420 and CS 3339 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5331. Machine Learning for Engineering Applications.
This course covers an introduction to machine learning focused on deep learning techniques using engineering applications with Python. Topics include model characteristics, neural network theory, classifiers for network and signal processing applications, regression and convolutional modeling for object-detection, time-series and forecasting machine learning models for Smart City concepts. Prerequisite: ENGR 5310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5350. Advanced Electronic Circuit Design.
This course includes low and high power RF amplifier design techniques, oscillators, FM demodulators, limiters, and mixer design. Additional topics include circuit design to minimize intermodulation and other forms of distortion, and RD and high-speed analog circuits with emphasis on digital-friendly applications. Prerequisite: EE 4350 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5353. Fundamentals of Advanced Semiconductor Technology.
In this course students will learn key concepts and trends of advanced semiconductor device technology. Topics include Moore's law, MOSFET, CMOS and scaling, high-K gate dielectrics, new channel materials replacing silicon, three dimensional and compound semiconductor device structures. In addition students will be involved in laboratories and seminar presentations. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5354. Flexible Electronics.
This course will cover the materials systems, processes, device physics and applications of flexible electronics. The materials range from amorphous and nanocrystalline silicon, organic and polymeric semiconductors to solution cast films of carbon nanotubes. Real device discussions include high speed transistors, photovoltaics, flexible flat-panel displays, medical image sensors, etc. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5355. Electronic Materials and Devices.
This course covers theoretical concepts applicable to the understanding of unique properties exhibited by electronic materials, especially by dielectrics, oxide semiconductors, ferroelectrics, pyroelectrics, piezoelectrics, magnetic, and multifunctional and multiferroic materials. The various microelectronic devices and modern novel technologies based on these materials are emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5360. Thin Film Technology.
This course covers the theoretical and practical aspects of thin film technology in modern devices. The design and fabrication of thin film heterostructures is discussed. Growth and nucleation of epitaxial thin films with diverse properties and devices with combined properties will be emphasized. Prerequisite: EE 3350 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5372. Advanced Networking.
This course develops important theoretical and application topics related to advanced networking. Theoretical topics are introduced using mathematical treatments, including queuing theory and some random processes. The course includes applications of these topics to communications networks, and focuses on architectures, applications and technologies which affect modern computer and data networks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5374. Introduction to Wireless Communication.
This course teaches principles and practices in designing and analyzing cellular and other wireless communication systems. Topics include RF propagation modeling, fast and slow fading, modulation, demodulation, coding, and multiple access techniques. Prerequisite: EE 4370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5375. Smart Grid: an Application Development Platform.
In this course, students will learn how to develop real applications for the smart grid and model its performance with simulations and stochastic models. Topics include energy informatics, smart metering, home energy management, demand response, load disaggregation and APIs/OpenData. The mathematical tools used include: Optimization/Control, Machine Learning and Stochastic Processes. Prerequisites: EE 3370 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5377. Statistical Signal Processing.
This course develops the theory and applications of random processes using mathematical treatments, including elementary discrete and continuous time linear systems theory, elementary probability, and transform theory. Topics include applications of random processes to information and communication theory, estimation and detection, control, signal processing, and stochastic systems theory. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5385. Optoelectronic Devices.
This course introduces the student to the concepts, physical operations, and design criteria of state-of-the-art optoelectronic devices and systems used in research, technology, medicine, communication, and other modern applications. Prerequisites: EE 3355 or EE 4350 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

EE 5398A. Antenna Theory, Design and Applications.
This course covers the basic theory, design and applications of antennas. The topics include antenna radiation, fundamental parameters of antennas, linear wire antennas, loop antennas, antenna arrays, long-periodic antennas, horn antennas, microstrip antennas and modern nano-antennas. Prerequisite: EE 3340 or EE 3370 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398B. Electronic Materials and Beyond for Sustainable Energy.
This course covers the basic science and technology for sustainable energy from the view of materials, where electronic materials are highly emphasized. The topics include solar cells, thermoelectrics, batteries, supercapacitors, artificial photosynthesis, fuel cells, biomass and nuclear energy. Prerequisite: EE 3355 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398C. Multimedia Signal Processing.
This course covers theory and applications of digital signal processing to multimedia signals, including speech, audio, image, and video. Key concepts and algorithms are discussed first, followed by a review of relevant industry standards. Hardware architectures and real-time implementation concepts appropriate for multimedia signals are also included. Prerequisites: EE 3370 and [EE 4323 or EE 4377] both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

EE 5398D. Electroceramics.
This course covers binary and ternary phase diagrams, non-centro-symmetric crystal structures and symmetry groups, nonlinear dielectrics (ferroelectricity, piezoelectricity, pyroelectricity), nonlinear magnetics, oxide wideband gap semiconductors, detectors and sensors, introduction to MEMS, radhard electonics, and spintronics technology. Labs and additional research-oriented instruction are related to materials processing, characterization, fabrication, and testing. Prerequisite: EE 3355 with a grade of "B" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Engineering (ENGR)

ENGR 1313. Engineering Design Graphics.
An introductory communications course in the tools and techniques utilized to produce various types of working drawings. Principles of multiview projections, geometric relationships, shape and size description, and pictorial methods are included with emphasis on technical applications and design problem solving.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

ENGR 2300. Materials Engineering.
Structure, properties and behavior of engineering materials including metals, polymers, composites and ceramics. Mechanical, electrical, magnetic, thermal, and optical properties are covered. Prerequisite: CHEM 1141 and [CHEM 1335 or CHEM 1341] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 3190. Cooperative Education.
This course provides special problems in engineering for cooperative education students. Problems are related to the student's work assignment and culminate in an industrial supervisor's evaluation and technical report or presentation. The course may be repeated up to 3 times, and 2 to 3 credits apply towards a program elective. Prerequisite: Minimum 2.25 Overall GPA.
1 Credit Hour. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENGR 3311. Mechanics of Materials.
This course covers the principles of mechanic materials and includes the following topics: stress and strain; elastic modulus and Poisson's ratio; constitutive equations; torsion; bending; axial, shear and bending moment diagrams; deflection of beams; and stability of columns. Prerequisite: ENGR 3375 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

ENGR 3315. Engineering Economic Analysis.
Interest formulas, economic equivalence, rate of return analysis, techniques of economic analysis for engineering decisions and an introduction to cost estimation. Prerequisite: MATH 1315 or MATH 2417 or MATH 2471 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 3360. Structural Analysis.
Structural engineering fundamentals to include design loads, reactions, force systems, functions of a structure, and the analysis of statically determinate and indeterminate structures by classical and modern techniques. Prerequisite: ENGR 3311 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

ENGR 3373. Circuits and Devices.
DC and AC circuit analysis, network theorems, electromechanical devices, electronic devices and an introduction to amplifiers, oscillators and operational amplifiers. Prerequisite: PHYS 2425 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

ENGR 3375. Mechanics for Engineers.
This course covers statics, using a vector approach to mechanics. Prerequisite: PHYS 1430 with a grade of "D" or better. Corequisite: MATH 2472 or MATH 2473 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 3380. Fluid Mechanics.
This course is an introduction to fluid motion. Fluid flow, pressure, energy, and momentum are examined. Dimensional analysis is also covered. Sensing devices used to monitor a fluid are discussed. Students will learn to follow standard laboratory procedures, perform data acquisition, conduct data analysis, and visualize test data. Prerequisite: ENGR 3375 and MATH 3323 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 4390. Internship.
Supervised on-the-job professional learning experience in engineering and other technical areas. This course provides practical work experience in their particular field of interest.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 4395. Independent Studies in Engineering.
Open to undergraduate students on an independent basis by arrangement with the faculty member concerned.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENGR 5100. Seminar in Engineering.
Graduate students attend seminars by invited speakers presenting relevant topics in academia and industry. The schedule of speakers will be developed each semester with strict faculty supervision. This course may only be taken for credit one time.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5101. Academic Instruction for Engineering Graduate Assistants.
This course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENGR 5105. Engineering Internship.
This course is a faculty-supervised, experiential, work-integrated learning course intended to help the student acquire engineering curriculum-related industrial experience and hence successfully make the transition into the workforce. Course cannot be counted toward graduation. Course may be repeated once. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5198B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5298B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5310. Probability, Random Variables, & Stochastic Processes for Engineers.
This course develops theory underlying analysis and design of systems. Fundamental distributional concepts, applications of statistical methods, and theory of stochastic processes are introduced to create a foundation for mathematical analysis of physical systems involving randomness. Applications to engineering topics are taught, including estimation, control, and systems theory. Prerequisite: IE 3320 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENGR 5384. Problems in Engineering.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. This course may be repeated once for additional credit with permission of the School Director. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENGR 5398A. Project.
This course represents a student's initial project enrollment. No project credit is awarded until the student has completed the project in ENGR 5x98B. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5398B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the theses is completed in ENGR 5x99B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5598B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENGR 5998B. Project.
This course represents a student's continuing project enrollments. The student continues to enroll in this course until the project is completed. Registration requires Approval of Committee. Restricted to students enrolled in the MS Engineering program.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENGR 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

English (ENG)

ENG 1300. Developmental Writing.
Basic composition skills. For students who have not satisfied TSIP requirements or for those who need developmental work before taking English 1310. Credit earned for this course does not count toward any degree offered by the university.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Developmental/ Remedial
Grade Mode: Developmental

ENG 1310. College Writing I.
Expository writing as a means of exploring and shaping ideas. Emphasis on critical reading and the improvement of essays through revision.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Communication Core 010
Grade Mode: Standard Letter
TCCN: ENGL 1301

ENG 1320. College Writing II.
Continuation of English 1310. Expository writing as a means of analyzing and understanding texts. Research paper required. Requirements in sophomore English must be completed before a student takes any advanced work in English.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Communication Core 010
Grade Mode: Standard Letter
TCCN: ENGL 1302

ENG 2310. British Literature before 1785.
Representative authors and works of British literature from the beginnings through the Neoclassical Period.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Writing Intensive
Grade Mode: Standard Letter
TCCN: ENGL 2322

ENG 2320. British Literature since 1785.
Representative authors and works of British literature from the Romantic Period to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Writing Intensive
Grade Mode: Standard Letter
TCCN: ENGL 2323

ENG 2330. World Literature before 1600.
Representative authors and works of literature from the ancient world to the early modern world. Readings may come exclusively from the Western tradition or from various literary traditions, such as those of Africa and Asia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Writing Intensive
Grade Mode: Standard Letter
TCCN: ENGL 2332

ENG 2340. World Literature since 1600.
Representative authors and works of literature from the modern world. Readings may come exclusively from the Western tradition or from various literary traditions, such as those of Africa and Asia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Writing Intensive
Grade Mode: Standard Letter
TCCN: ENGL 2333

ENG 2359. US Literature before 1865.
Course surveys representative authors and works of US literature from the beginnings to the Civil War.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Writing Intensive
Grade Mode: Standard Letter
TCCN: ENGL 2327

ENG 2360. US Literature since 1865.
Course surveys representative authors and works of US literature from the Civil War to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Writing Intensive
Grade Mode: Standard Letter
TCCN: ENGL 2328

ENG 3301. Critical Theory and Practice for English Majors.
Course introduces the critical theories underpinning rhetorical and literary analysis within various branches of English Studies and develops the skills of reading, writing, and research. Required for majors and open to minors; must be taken in the first semester of upper division classes. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3302. Film and Video Theory and Production.
The study of film and narrative theory combined with the practice of videography and video editing. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3303. Technical Writing.
This course concerns writing in technical professions. It emphasizes planning, writing, revising, editing, and proofreading proposals, reports, instructions, and other forms of professional communication for a variety of audiences. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3304. Professional Writing.
The principles of expository writing adapted for the workplace. Prepares students in non-technical fields to write documents commonly used in professional settings. Students compile a writing portfolio suitable for a job search or for application to professional school. Computer technology included. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3306. Writing for Film.
This course is an introduction to screenwriting that combines the study of published film texts with workshop practice in writing for film. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3307. Introduction to the Study of Film.
An introduction to various theoretical approaches to the study of film and to important debates within film theory. Focus will include, but is not limited to, (1) theories of spectatorship, (2) the debate between formalism and realism, (3) psychoanalytic and feminist theories, and (4) cultural approaches to film. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3308. Advanced Topics in Film.
Course offers a focused examination of film as text, with an emphasis on critical, theoretical, cultural, historical, and stylistic aspects. Topics may include history of classical Hollywood cinema; silent film; world, European, or national cinemas; or the documentary. Repeatable once when topic varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 3309. The Southwest in Film.
A survey of films of the Southwest, emphasizing the history and cultural diversity of the region as represented on screen. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3311. Practices in Writing and Rhetoric.
Study and practice of advanced expository writing, with focus on achieving clarity and readability. Recent emphases have included The Essay, Nature Writing, Argument, Writing for the Government, Online Communication. May be repeated once for credit when emphasis varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 3312. Internship in English Studies.
Course offers a supervised work experience related to students' career interests. Prerequisites: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 3313. Scientific Writing.
The course teaches composition techniques that include planning, organization, revision, usage, and audience identification necessary for writing in science and/or social science fields. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3315. Introduction to Creative Writing.
A critical seminar for writers of fiction, poetry, and articles. Creativity, criticism, and revision are emphasized. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3316. Film Studies.
Comparative study of films and/or novels adapted to films. Repeatable once when topic varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 3318. Approaches to Writing and Rhetoric.
This course focuses on approaches central to the study and practice of writing and rhetoric. Emphases vary but might include Composition Theory, Theories of Technical Communication, Chicano/a Rhetorics, Literacy Studies. Repeatable with different emphases for up to 9 hours of English credit. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 3319. The Development of English.
Origin and growth of the English language with particular attention to phonological, morphological, and grammatical changes; history of dialects, spelling, and dictionaries; sources of vocabulary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 3320. Theory and Criticism.
A study of theoretical and critical approaches, from Aristotle to the present, applied to literary and visual texts. Repeatable once when topic varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3321. The Short Story.
The short story throughout the world since Poe and Gogol. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3322. The European Novel.
Major continental novelists from Cervantes to the present, read in translation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3323. Modern Poetry.
Modern poetry in English and English translation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3325. Russian Literature in Translation.
An examination of major 19th and 20th century works of Russian literature, in translation, from three points of view: their literary value (use of language, style, characterization, theme, structure, techniques); their relation to and influence on European literature; and their illumination of Russian culture and history. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3326. American Drama on Film.
Masterpieces of American drama and the films which have been made from them.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 3327. Types of World Drama in English.
Examples of world drama and film adaptations from Aeschylus to Ibsen. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3328. Types of World Drama in English (Modern).
Significant examples of world drama in English from Ibsen to O'Neill, Williams, and Miller. (MC) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3329. Mythology.
Study of myths in ancient cultures, mythic patterns in modern literature, and Hollywood as mythmaker. Repeatable once, in special situations, when topic varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 3331. Literature of Black America.
African-American poetry, drama, and fiction. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3333. Early US Literature.
Course surveys US literature from its colonial beginnings to 1865. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3335. US Literature 1865-1930: The Rise of Realism, Naturalism, and Modernism.
Course surveys US literature from the Civil War to 1930. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3336. US Literature, 1930 to the Present: From Modernism to Contemporary Forms.
Course surveys US literature from 1930 to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3338. The American Novel.
A study of the novels and pertinent criticism from the beginnings in America. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3340. Special Topics in Language and Literature.
Courses proposed and taught occasionally by different English faculty members. Past emphases have included Nature Writing and Literature and Art. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header|Writing Intensive
Grade Mode: Standard Letter

ENG 3341. Studies in World Literature.
Selections from ancient and modern literature in western and/or non-western cultures. Repeatable once, in special situations, when topic varies. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3342. Editing.
A study of editing, to include instruction in making editorial changes, preparing MSS for typesetter, marking galley and page proof; fundamentals of layout and design (typeface, paper, headlines, etc.); problems and possibilities in desktop publishing; and the current status of electronic publications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 3343. The Interdisciplinary Approach to Literature.
The study of a single author, e.g. Saul Bellow, Charles Dickens, Flannery O'Connor, or Virginia Woolf, from an interdisciplinary perspective. Repeatable once, in special situations, when topic varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 3344. Chicano/a Narrative and Social History.
A survey of narrative written by U.S. citizens of Mexican descent. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3345. Southwestern Studies I: Defining the Region.
The first of two courses in a broad interdisciplinary survey of geophysical, cultural, social, literary, and political history of the Southwest that emphasizes regional and ethnic expressions of culture in architecture, art, economics, law, literature, philosophy and politics. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3346. Southwestern Studies II: Consequences of Region.
The second of a two-course sequence in a broad interdisciplinary survey of geophysical, cultural, social, literary, and political history of the Southwest, emphasizing regional and ethnic expressions of culture in architecture, art, economics, law, literature, philosophy, politics, popular culture, religion, social science, and technology. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3347. American Poetry.
Study of American poetry from its beginnings to present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3348. Creative Writing: Fiction.
A seminar for writers of fiction, with emphasis on creativity, criticism, and revision. (WI) Prerequisite: ENG 3315 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3349. Creative Writing: Poetry.
A seminar for writers of poetry, with emphasis on creativity, criticism, and revision. (WI) Prerequisites: ENG 3315 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3350. Medieval European Literature.
Studies of Medieval contexts, genres, and writings across Europe. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3351. Anglo-Saxon Language, Literature, and Culture.
An introduction to Old English life and writings from early culture through Beowulf (texts in modern translation). (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3352. Medieval English Literature.
Studies of important non-Chaucerian writings in the Middle Ages, some in modern translations. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3353. British Poetry and Prose of the Sixteenth Century.
Major poets and prose writers from More to Spenser. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3354. Shakespeare.
Selected plays from the earliest through Hamlet. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3356. British Poetry and Prose of the Seventeenth Century.
Prose and poetry from Donne and Bacon to Milton and Dryden. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3357. British Literature of the Restoration and Augustan Periods, 1660-1750.
Course explores development of classicism through Pope and Swift. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3359. British Literature, 1750-1800.
Course explores the decline of classicism and the Romantic beginning. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3362. The British Romantics.
Course explores British poetry and prose of the Romantic Age. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3365. The British Victorian Period.
British poetry and prose of the Victorian period, 1837-1900. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3368. The British Novel.
Course explores British prose fiction. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3370. Twentieth-Century British Literature.
Selected poetry, fiction, and drama since 1900. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3385. Children's Literature.
A survey of traditional and contemporary literature for children with attention to literary history, aesthetic qualities, and critical approaches. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3386. Adolescent Literature.
A survey designed to provide a critical philosophy and working repertoire of literature for adolescents. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3388. Women and Literature.
A survey of women's writing in English, in various genres, over a period of some 600 years (14th century to the present). (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3389. The Discipline of English.
The nature of English studies as a formal field, its components and their relationships. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 3390. Problems in Language and Literature.
Independent study with individualized reading list, research project, and tutorial sessions, focused on a special problem in language and/or literature. (WI) Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 3392. Women Writers of the Middle Ages.
Religious and secular writings by women from the early Church through the 15th century. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

ENG 3393. Introduction to Canadian Literature.
An introduction to Canadian literature with discussion of aesthetic, cultural, and political issues surrounding it. Texts will be Anglophone and Francophone in translation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 4310. Modern English Syntax.
A study of English syntax as described by traditional, structural, and transformational grammarians, with major emphasis on transformationalgenerative syntax.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 4323. Studies in Autobiography and Biography.
Selected works in autobiography and biography. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 4325. Literature of the Southwest.
The literature of Texas and the surrounding territory; various types of non-fiction prose, fiction, and poetry. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 4334. US Romanticism.
Course explores the US Romantic movement of the 19th century, with consideration of important authors, intellectual backgrounds, and literary relationships. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 4348. Senior Seminar in Fiction Writing.
Workshop in writing fiction and evaluating manuscripts. Students produce portfolio of creative work. (WI) Prerequisite: ENG 3348 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 4349. Senior Seminar in Poetry Writing.
Workshop in writing poetry and evaluating manuscripts. Students produce portfolio of creative work. (WI) Prerequisite: ENG 3349 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 4350. Senior Seminar in Film.
Course integrates perspectives from English film and media studies, including film criticism, history, theory, screenwriting, and practical video skills. Each student will choose a focus, and all students will critique scholarly research, screenplays, and video projects that demonstrate concepts learned. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 4351. Chaucer and His Time.
The works of Chaucer and their significance in an important literary and social era. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 4355. The Later Shakespeare.
The problem comedies, through the tragedies, to the plays of the final years; emphasis on reading in depth the plays, significant critical materials, and selected plays by Shakespeare's contemporaries. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 4358. Milton.
Milton's longer poems and most important prose writing. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ENG 4385. Advanced Studies in Children's or Adolescent Literature.
This course studies children's or adolescent literature. Possible topics include a historical period, a geographical area, a genre, a single author, or a theoretical approach, with attention to developing critical and research skills. Repeatable with different emphases for up to six hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

ENG 5199B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5299B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5301. Literary Scholarship.
An introduction to scholarly resources, methods, theories, and responsibilities that guide the study and interpretations of literature in English. Literary texts chosen for detailed examination vary with expertise of the instructor. Required in first year of M.A. with a Literature Major.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5302. Media Studies.
The study of film and media history, theory, and practice. Special topics may include videography, video editing, genre, filmmakers, and regional film.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5310. Studies in English Language and Linguistics.
A study of the English language, with special attention to phonology, morphology, syntax, semantics, dialectology, sociolinguistics, normal language acquisition, and/or writing and spelling systems. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5311. Foundations in Technical Communication.
An introduction to the theory and practice of technical communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5312. Editing the Professional Publication.
The editing, design, layout, and proofreading of a professional publication. This course is an internship. May be repeated one time with different emphasis.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5313. Studies in Principles of Technical Communication.
A group of courses that provide students theoretical and practical information useful in any position in technical communication. Recent emphases include Digital Media and the web, Technical Editing, and Visual Rhetoric. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5314. Specializations in Technical Communication.
A group of courses that provide students theoretical and practical information for specialized types of technical communication. Recent emphases include International Technical Communication Proposal Writing, Software Documentation and Writing for the Government. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5315. Graduate Writing Workshop.
A studio course in which the primary texts are student manuscripts. Concentrations in fiction or poetry examine principles and techniques of creating, evaluating, and revising writing in these genres. The course requires class members to review writing produced by other workshop members.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ENG 5316. Foundations in Rhetoric and Composition.
A group of courses providing students with theoretical, pedagogical, and methodological foundations in the field of rhetoric and composition. Emphases vary but include Contemporary Composition Theory and Composition Pedagogy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5317. Specializations in Rhetoric and Composition.
A group of courses providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Center Theory, Practice, and Administration; Writing Across the Curriculum; Service Learning; and Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5320. Form and Theory of Fiction.
An examination of traditional and current theory and practice in fiction. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of fiction in other literatures. For M.F.A. credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5321. Contemporary Fiction.
Readings selected from canonical and/or experimental fiction. Recent emphases include novels into film, postmodern fiction, Magical Realism, and Saul Bellow. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5322. Form and Theory of Poetry.
An examination of traditional and current theory and practice in poetry. Major emphasis will be placed on the British/American tradition, but some attention will be given to the practice and theory of poetry in other literatures. For MFA credit only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5323. Studies in Autobiography and Biography.
A study of selected works in autobiography and biography with special attention to the art forms used in these works. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5324. Studies in Literary Genre.
A study of one or more literary genres over several historical periods or from a variety of cultural perspectives. The course focuses on genres such as the following: the epic, the novel, the short story, the lyric, the pastoral, the romance, and Irish comic fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5325. Studies in Literature of the Southwest.
Selected Texas and Southwestern writers with emphasis on fiction. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5327. Research Methods in Rhetoric and Composition.
This course introduces research practices in rhetoric and composition, focusing on the strategies, methods, paradigms, and perspectives that characterize qualitative and quantitative research. It considers research ethics, issues of representation, and the history and role of research in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5328. Directed Portfolio.
Constitutes partial fulfillment of non-thesis option for students earning the MA in Rhetoric and Composition. Under guidance of a graduate faculty committee, students produce a portfolio of representative written work with written commentary and reflection. Repeatable once. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5331. Studies in American Poetry.
Selected poets with a survey of their works. Recent emphases include Walt Whitman, Emily Dickinson, Southern poetry, Denise Levertov, and Robert Bly. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5332. Studies in American Prose.
Selected authors with special attention to novels. Recent emphases include William Faulkner, Ernest Hemingway, Richard Wright, and Zora Neale Hurston. Repeatable with different emphases for up to nine hours of English credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ENG 5345. Southwestern Studies I: Defining the Region.
An interdisciplinary course that surveys the physical, cultural, and social history of the Southwest, emphasizing architecture, art, literature, philosophy, politics, popular culture, and technology. Historical focus from the 15th to the mid-19th century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5346. Southwestern Studies II: Consequences of Region.
Second course in a survey of physical, cultural, and social history of the Southwest, emphasizing regional and ethnic expressions of culture. This course moves from the broad overview of the first semester to more specific problems in the region and to the artistic products of regional culture. Historical focus is from the Civil War to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5353. Studies in Medieval Literature.
Emphasis on authors, contexts, and genres of the medieval period. Recent emphases include Anglo-Saxon culture, language, and literature; Chaucer; non-Chaucerian medieval literature; pilgrimage literature. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5354. Studies in Renaissance Literature.
Emphasis on authors, contexts, and genres of the Renaissance. Recent emphases include Shakespeare, Renaissance epic, Tudor humanism, and John Milton. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5359. Studies in Restoration and Eighteenth-century Literature.
Major writers of the period with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Johnson and his circle, Restoration and eighteenth-century drama, and the eighteenth-century novel. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5364. Studies in the Romantic Movement.
The works of the Early Romantics or Late Romantics in context with attention to nineteenth- and twentieth-century scholarship. Recent emphases include Blake and the other arts, Coleridge, the Wordsworths, Shelley, and Keats. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5366. Studies in Victorian Poetry.
Major Victorian poets with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include Tennyson, the Brownings, the Pre-Raphaelites, and Hopkins. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5368. Studies in Victorian Prose.
Major Victorian prose writers with emphasis on scholarship and aesthetics as well as cultural and historical background. Recent emphases include George Eliot, non-fiction Victorian prose, Victorian women novelists, and Charles Dickens. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5371. Studies in Modern British Literature.
Selected authors with a survey of their works. Recent emphases include Yeats, Wilde, Auden, and Post-World War II British poetry. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5372. Practicum in English Studies.
An introduction to key issues and concepts in the teaching of English studies. Required for first-year instructional assistants in the English Department. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5381. Studies in Modern British and American Drama.
A survey of major British and American dramatists and their European or world context. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

ENG 5382. Practicum in Composition.
An introduction to key issues and concepts in the teaching of expository writing at the college level. Required for first-year teaching assistants in the English Department who have not previously taken ENG 5372. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ENG 5383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Technical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5384. Critical Theory.
A study of critical theory, emphasizing the history of criticism and/or contemporary critical theories. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5388. Studies in Literature for Children or Adolescents.
A study of contemporary works, extending the student's knowledge of the literature and criticism in the field. Typical emphases are generic and/or thematic and include picture books, the contemporary novel, and the children's classics on film. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5389. History of Children's Literature.
The history of children's literature from the Middle Ages through 1940. May be repeated with different emphases for up to six hours of graduate credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5390. Special Problems.
Independent study under supervision of a graduate faculty member in English, with in-depth readings and research focused on a special problem in literature and/or language. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5391. Directed Studies in English.
Students will conduct studies as necessary preparation for graduate-level coursework in English. The nature of the work varies depending on the student's level of academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ENG 5395. Problems in Language and Literature.
Recent emphases include literary technique and literary theory. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 5399A. Thesis.
First semester of thesis enrollment. No thesis credit awarded until student has completed the thesis in English 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ENG 5399B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5599B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 5999B. Thesis.
Continuing thesis enrollment until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ENG 7300. Language Problems in a Multicultural Environment.
An introduction to the study of multicultural language and linguistics with descriptive, psychological, social, and semantic emphases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7314. Specializations in Professional and Technical Communication Topics.
Provides theoretical and practical information for specialized types of technical and professional communication.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7316. Foundations in Rhetoric and Composition.
A course providing students with theoretical, pedagogical, and/or methodological foundations in the field of rhetoric and composition. Emphases vary but may include Contemporary Composition Pedagogy, Basic Writing Theory and Practice, and Writing Assessment. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7317. Specializations in Rhetoric and Composition.
A course providing theoretical, pedagogical, methodological, and/or administrative grounding in specialized areas of rhetoric and composition. Emphases vary but may include Writing Across the Curriculum, Service Learning, Writing Center Theory and Practice, Computers and Writing, Literacy. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7326. Contemporary Composition Theory.
Introduces students to the history of writing instruction in the university and to the theories of writing and composing that inform contemporary composition studies and the teaching of writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ENG 7383. Studies in Rhetorical Theory.
An introduction to classical and rhetorical theory in various areas of English studies. Recent emphases include Teaching of Composition and Techinical Communication. Repeatable with different emphases for up to nine hours of English credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Exercise and Sports Science (ESS)

ESS 1100. Lifetime Fitness and Wellness.
This course introduces students to the concepts of health-related physical fitness. Emphasis is placed on learning how to teach these concepts. Students will design and implement an exercise program for enhancing health-related physical fitness. Restricted to majors or minors in Exercise and Sports Science, Athletic Training, or Health and Fitness Management.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHED 1164

ESS 1101. Seminar in Exercise and Sport Science.
This course provides students with an introduction to the various areas of exercise science, including interventions for healthy versus clinical populations, professional opportunities, individual awareness of professional responsibilities, familiarization with current trends and issues, and professional literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1128. Aquatic Therapy.
The course addresses basic principles and concepts of aquatic therapy and aquatic emergency management. This course prepares students for the American Red Cross Basic Water Rescue Certification.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1172. Beginning Field Sports.
This course prepares students to become proficient instructors of field sports, including softball and soccer. Emphasis is on skill development, instructional practices, peer coaching, rules, terminology, offensive and defensive strategies, team organization, game play, referee skills, skills assessment, and conditioning for field sports. Restricted to majors or minors in Exercise and Sports Science, Coaching, or Health and Fitness Management.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1175. Beginning Jogging and Conditioning.
This course presents the proper biomechanics of jogging, safety rules, and conditioning principles relevant to the activity. Course topics include warming-up and cooling-down, hydration, monitoring and modifying intensity, training for road races, and jogging-related injuries. Students will also learn how to train individuals entering into a jogging program. Restricted to majors or minors in Exercise and Sports Science or Health and Fitness Management.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1176. Beginning Tennis, Badminton, and Other Racket Sports.
This course prepares Exercise and Sports Science majors to be proficient instructors of racket sports, including tennis and badminton, The emphasis is on the fundamentals of racket sports and program development for the beginner. Restricted to majors or minors in Exercise and Sports Science, Health and Fitness Management, or Coaching.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1178. Beginning Volleyball and Basketball.
This course prepares students to become proficient instructors of volleyball and basketball. Emphasis is on skill development, instructional practices, peer coaching, rules, terminology, offensive and defensive strategies, team organization, communication, game play, referee skills, skills assessment, and conditioning for volleyball and basketball. Restricted to majors or minors in Exercise and Sports Science, Health and Fitness Management, or Coaching.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1179. Beginning Weight Training.
This course prepares students to be proficient instructors of all forms of resistance training. Emphasis is on understanding the proper, safe, and effective techniques of weight lifting. Students will learn how to develop resistance-training programs for untrained individuals with a variety of conditions. Restricted to majors or minors in Exercise and Sports Science, Athletic Training, or Health and Fitness Management.
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1201. Group Exercise Instructor Training.
This course is for students interested in becoming certified group exercise instructors. Students will learn how to safely and effectively conduct group exercise classes. Students will be trained to teach a variety of formats, such as high- and low-impact aerobics, step aerobics, kickboxing, yoga, and resistance training. Prerequisite: Major in Health and Fitness Management or consent of the instructor.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ESS 1298. Foundations of Sports Medicine.
This introductory course provides an essential foundation for students beginning their course of study in the field of sports medicine. Students will understand key principles of professionalism, responsibilities, ethics and legal aspects, scope of practice, and health care job opportunities in the careers of sports medicine.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 1310. Introduction to Teaching Physical Education.
This course is designed to provide pre-service physical educators an introduction to fundamental principles of teaching physical education in K-12 settings. Progressive steps in developing a basic understanding of pedagogical skills, physical education curriculum, and professional attributes needed to pursue the teaching profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 2320. Motor Development.
This course provides the exercise science and physical education student with a knowledge base in the study of changes in motor behavior across the lifespan, the processes that underlie these changes, and factors that affect them. Prerequisite: Major or minor in Exercise and Sports Science.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3117. Laboratory in Exercise Physiology.
In this laboratory course, students perform experiments that highlight the physiological responses to exercise. This course also introduces students to basic techniques in the assessment of health and human performance, including the assessment of maximal oxygen consumption, body composition, anaerobic power and capacity, muscular fitness, movement economy, and dietary intake. Prerequisites: BIO 2430, or BIO 2451 and BIO 2452, all with a grade of "C" or better. Co-requisite: ESS 3317 with a grade of "D" or better. An overall GPA of 2.5 or higher is required.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3303. Assistant Dive Instructor.
This course provides students with the technical knowledge necessary to prepare for the Assistant Diver Instructor Scuba Certification. Topics include advanced diving physiology, air station operations, assisting instructors with beginning open-water dive students, and boat diving operations. Prerequisite: PFW 1201 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3304. Divemaster.
This course provides students with the technical knowledge necessary to prepare for the National Association of Underwater Instructors Divemaster Scuba Certification. Topics include advanced diving physiology, organizing open-water dives, air station operations, assisting instructors with beginning and advanced open-water dive students, and boat diving operations. Prerequisite: Assistant Instructor Certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3317. Exercise Physiology.
Students learn the acute and chronic physiological responses to exercise. Emphasis is on muscle bioenergetics, muscle contractile properties, performance improvement through training and supplementation, as well as cardiopulmonary and endocrine responses to exercise. Prerequisites: BIO 2430, or BIO 2451 and BIO 2452, with grades of "C" or better. An overall GPA of 2.5 or higher is required. Co-requisite: ESS 3117 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

ESS 3319. Introduction to Cardiopulmonary Exercise Physiology.
This course introduces students to the cardiovascular and pulmonary systems, discusses the physiological dynamics, control mechanisms, and system interrelationships of the cardiovascular and pulmonary systems, and explores the effects of exercise on these systems, including the physiological factors that limit exercise tolerance across the spectrum of health and chronic disease. Prerequisite: BIO 2430, or BIO 2451 and BIO 2452; with grades of "C" or higher, ESS 1101, and Overall GPA of 2.5 or higher is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3320. Biomechanics.
This course provides an introduction to the mechanical foundations of anatomical function and human movement. Qualitative and quantitative biomechanical analyses of human movement are introduced to inform the prescription of technique, equipment, and training interventions. Prerequisites: BIO 2430, or BIO 2451 and BIO 2452, all with a grade of "C" or better. An overall GPA of 2.5 or higher is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3321. Teaching Elementary Children Physical Activity.
This course introduces students majoring in Elementary Education and/or Exercise and Sports Science to physical education knowledge and movement concepts. It provides innovative techniques for incorporating physical activity within the elementary school setting. The course presents theory and then guides the students in applying those theories in a practical way.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3323. Psychosocial Aspects of Exercise and Sport Science.
This course examines the psychological and social theories and and research related to physical activity. Emphasis is on the determinants that influence exercise behavior and sport participation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3325. Applied Assessment of Physical Activity.
This course is designed to provide students with a theory to practice approach in the assessment of physical activity within the physical education setting. Particular emphasis is placed on empowering students to use relevant and meaningful physical activity assessments in K-12 schools. Prerequisites: ESS 1310 and ESS 2320. Restricted to majors seeking all level Teacher Certification in Physical Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3329. Motor Learning.
This course provides students with an understanding of the physiological, neurological, and psychological factors affecting performance and acquisition of motor skills. Students will examine the structural components underlying the learning of motor skills an draw upon examples from sport, physical activities, and rehabilitation. Prerequisite: Overall GPA of 2.5 or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 3340. Theory and Principles of Coaching.
This course examines the theories and principles of effective coaching, including philosophy, ethics, strategies, team motivation and organization, coah-athlete relationships, performance analysis, and the administration of facilities, personnel, and contests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4317. Fitness Assessment and Programming for Healthy Populations.
Students are presented with current information on fitness assessment and exercise programming for healthy individuals of all ages and fitness levels. Emphasis is placed on preparation for multiple certifications offered by relevant professional organizations. Prerequisites: ESS 3117 and ESS 3317; all with grades of "C" or better; an Overall GPA of 2.5 or higher is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4318. Fitness Assessment and Programming Practicum for Healthy Populations.
During this 80-hour practicum, students will acquire advanced knowledge and skills associated with appraising health risk, assessing fitness levels, and designing exercise programs for diverse populations through on-line, classroom, and laboratory settings as well as through field-based experiences by working in a variety of venues. Prerequisite: ESS 3117 and ESS 3317, all with grades of “C” or better and Overall GPA of 2.5 or higher is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4319. Fitness Assessment and Programming in Clinical Exercise Science.
This course provides students with an opportunity to develop knowledge, skills, and competence required to assess and prescribe exercise for clinical populations and to gain knowledge related to managed care and rehabilitation with clinical patients. Prerequisites: ESS 3117 and ESS 3317 both with grades of “C” or better and Overall GPA of 2.5 or higher is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4320. Resistance Training and Conditioning.
This course discusses the development and evaluation of training principles and programs for diverse populations. Emphasis is placed on physiological adaptations and mechanical principles related to the application of resistance training. Prerequisites: BIO 2430, or BIO 2451 and BIO 2452; ESS 3317 and ESS 3117, all with a grade of "C" or better. An overall GPA of 2.5 or higher is required.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ESS 4321. Fitness Assessment and Programming Practicum in Clinical Exercise Science.
This course presents current exercise and sports science information on testing and programming for clinical populations. This course provides fundamental knowledge, competence, and skills necessary to conduct safe and valid assessments, interventions, and rehabilitation programs for patients with health problems. Students will spend 80 hours at a practicum site. Prerequisite: ESS 1101, ESS 3117, ESS 3317, and ESS 3319, all with grades of “C” or higher and Overall GPA of 2.5 or higher is required.
3 Credit Hours. 1 Lecture Contact Hour. 5 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4323. Adapted Physical Education.
This introductory course provides All-Level teacher certification candidates in Exercise and Sports Science with content knowledge on legal mandates, evidence-based practices, and the characteristics of selected disabilities and their considerations when designing meaningful individualized physical activity experiences to meet the students with disabilities in school settings. Prerequisites: ESS 1310, ESS 2320 and 2.75 overall GPA. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ESS 4324. Adapted Physical Activity.
This course introduces students to the field of adapted physical activity, including sport and leisure for persons with disabilities. This course provides content knowledge on how to instruct physical activities to individuals with unique needs in various settings. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ESS 4333. Fitness Assessment and Programming for Populations Requiring Special Considerations.
This course provides practical information on fitness assessment and programming for persons requiring special considerations due to their age, pregnancy, obesity, diabetes, low back pain or other health conditions. Prerequisite: ESS 1101, ESS 3117 and ESS 3317, all with grades of "C" or higher and Overall GPA of 2.5 or higher is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4337. Independent Study in Exercise and Sports Science.
This course is for students who are interested in research related to Exercise and Sports Science. Students develop a research study, collect data, and analyze the results. Repeatable for credit with different emphasis. Prerequisites: A minimum GPA of 3.00 and special approval.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ESS 4340. Internship in Coaching.
This 220-hour internship provides students with work-related experience. Students will strengthen their coaching-related knowledge, skills, and abilities by observing and shadowing coaches as well as assisting with a range of tasks, including training athletes, managing the facilities, and organizing practices, Prerequisites: completion of all coursework required for the minor in Coaching and special approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 4351. Measurement & Evaluation in Exercise and Sports Science.
This course introduces students to the fundamental principles and techniques of measuring human performance related to Exercise and Sports Science, as well as evaluating and interpreting the results of exercise science and human performance tests in children and adults. Prerequisite: Overall GPA 2.5 or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4624. Principles and Practices for Teaching Physical Education.
This course provides students with an in-depth study of theory and curriculum encompassing the design and imlementation of developmentally appropriate and culturally responsive physical education programs for children and adolescents. Emphasis is on implementing evidenced-based curricula that promote youths' enjoyment of and participation in lifelong physical activity. Prerequisites: ESS 1310 and ESS 2320 and ESS 3325, all with a grade of "D" or better, and 2.75 overall GPA.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 4660. Exercise and Sports Science Internship.
In this 400-hour internship, students will apply theoretical health and fitness management principles and concepts to an organizational setting. This course requires students to participate in a health and fitness organization/agency and complete a semester-long planning and evaluation project. Prerequisites: Completion of all other coursework required for the degree, department approval, and an overall GPA of 2.5 or higher. (WI).
6 Credit Hours. 0 Lecture Contact Hours. 25 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ESS 4661. Internship in Clinical Exercise Science.
This course places the student in a professional work environment to apply the concepts of exercise rehabilitation in a cardiac care, respiratory therapy, or other healthcare setting, under the supervision of professionals in the field. Students are required to spend 400 hours in this internship position. Prerequisite: ESS 4319 and ESS 4321, all with a grade of "C" or better; department approval; and an Overall GPA of 2.5 or higher.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5101. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5110. Research Seminar.
The focus of this course engages students in research and professional development in Exercise and Sports Science. This seminar will allow students to gain exposure to a variety of scholarly activities in an interdisciplinary setting.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ESS 5117. Laboratory in Exercise Physiology.
Students in this leveling laboratory course perform experiments that highlight the physiological responses to exercise. The course introduces students to basis techniques in the assessment of health and human performance, including the assessment of maximal oxygen consumption, body composition, anaerobic power and capacity, muscular fitness, movement economy, and dietary intake. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Co-requisite: ESS 5317.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5201. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5304. Motor Learning and Performance.
This course is designed to provide students the foundation for understanding the principles involved in enhancing motor skill acquisition, and physiological, neurological, and psychological factors affecting motor learning and performance. Inquiry is made into the various motor learning theories and concepts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5305. Advanced Fitness Assessment and Exercise Prescription.
This course provides an intensive study of current scientifically based exercise testing and prescription procedures. Students will learn how to evaluate fitness and prescribe exercise through laboratory experiences.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

ESS 5306. Advanced Exercise Physiology.
This advanced course will provide students with a thorough understanding of the acute responses to exercise and the physiological adaptations that occur in response to exercise training. Additional topics to be covered include environmental influences, aging, and sex differences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5307. Advanced Resistance Training and Conditioning.
This course will include the development, instruction, and evaluation of resistance training exercises and programs for diverse populations and settings. Physiological and mechanical principles related to resistance training will be applied to study human performance, injury prevention, and rehabilitation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5308. Physical Activity, Disease Prevention and Treatment.
This course will provide students with opportunities to examine the role of physical inactivity in the development of chronic diseases and the benefits of activity in prevention efforts. A special emphasis will be placed on activity assessment and intervention research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5309. Biomechanics for Exercise & Sports Science.
Review of current research and research techniques in the biomechanics of exercise and sport science. Students will developskills in reviewing, planning, and conducting biomechanical research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5310. Cardiopulmonary Exercise Physiology.
The course will provide studetns with a thorough understanding of the structure, function, neural mechanisms, and integrated responses of the human cardiopulmonary system to acute and chronic exercise. In addition, basic cardiopulmonary pathology, pharmacology, and electrocardiography will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5311. Applied Neuromuscular and Skeletal Muscle Physiology.
The course will provide students with a thorough understanding of the structure and function of neuromuscular and skeletal muscle physiology. This course will examine mechanisms that regulate skeletal muscle force production and human performance in response to acute and chronic exercise. In addition, advanced laboratory techniques will be introduced.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5317. Exercise Physiology.
This leveling course provides an overview of the acute and chronic physiological responses to exercise. Emphasis is on muscle bioenergetics, muscle contractile properties, optimizing human performance through training and supplementation, as well as cardiopulmonary and endocrine responses to exercise. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Corequisite: ESS 5117.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

ESS 5320. Biomechanics.
This leveling course provides an introduction to the mechanical foundations of anatomical function and human movement. Qualitative and quantitative biomechanical analyses of human movement are introducted to inform the prescription of technique, equipment, and training interventions. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5322. Inclusion and Diversity in Physical Activity and Sport.
This course is designed to prepare physical activity and sport educators with knowledge, skills, and strategies to create inclusive learning environments. Culturally responsive teaching strategies that best accommodate the individual needs of children, adolescents, and adults, with diverse ethnic, racial, cultural, socio-economic, physical, and cognitive needs will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5329. Motor Learning.
This leveling course provides students with an understanding of the physiological, neurological, and psychological factors affecting performance and acquisition of motor skills. Students will examine the structural components underlying the learning of motor skills and draw upon examples from sport, physical activities, and rehabilitation. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5344. Improving Instruction in Physical Activity, Sport, Clinical, & Community Settings.
This course is designed to enhance instructional skills for professionals working in educational, sport, clinical, and community settings. Students incorporate evidence-based instructional practices and assess teaching using systematic, reliable, and valid measures. Students will be able to apply course concepts to implement effective instruction in diverse venues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5346. Research Methods in Health and Human Performance.
A study of research methods related to techniques for searching the professional research literature, understanding, planning, and conducting professional research projects, as well as development of skills for writing research proposals related to human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5347. Independent Study in Exercise Science.
The course allows students to receive individualized instruction while working on a professional project with a supervising faculty member. This course will require students to enhance their writing, research, teaching, and/or presentation skills. Repeatable once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5353. Curriculum Design, Implementation and Evaluation in Diverse Physical Activity Settings.
This course is designed to explore evidence-based curricula across Exercise and Sport Science settings including, but not limited to clinical, strength and conditioning, community physical activity, and sports. Students will gain knowledge and understanding about the curriculum design process and program evaluation using current theory to practice models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5354. Developmental Sports Education: Youth Participants.
This course is designed to provide sport educators with theory, research, and application strategies to implement developmentally appropriate sports programs for youth participants. Social, psychological, pedagogical, philosophical, and physical variables impacting youth in sport are examined. Emphasis is placed on promoting positive youth development by applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5355. Developmental Sports Education: High-Level Athletes and Coaching Effectiveness.
This course is designed to provide sport educators with theory, research, and practical strategies to implement developmentally appropriate sports programs for high-level athletes. Psychological, social, and physical aspects related to athletes' success and well-being are examined. Research on coaching effectiveness is also explored with emphasis on applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5356. Applied Statistics in Health and Human Performance.
A study of quantitative statistical methods for planning and conducting experimental and correlational research, as well as techniques for statistical data analysis and interpretation applicable to health and human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5398. Internship in Exercise and Sports Science.
This 240-hour internship provides students with work-related experience with children, adults, older individuals, or athletes in exercise settings. Students are provided an opportunity to prescribe and supervise age- and fitness-appropriate exercise programs and perform exercise tests. Prerequisite: ESS 5306 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis course credit is awarded until the student has completed the entire thesis required in ESS 5399B. Prerequisites: ESS 5346 and ESS 5356 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5624. Principles and Practices for Teaching Physical Education.
This is a leveling class for graduate students pursuing teaching certification in physical education. Particular emphasis is placed on methods of teaching physical education. This course does not earn graduate degree credit. Departmental Approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5698. Internship in Exercise and Sports Science.
This full-time internship provides students with a minimum of 480 hours of field experience. Students will work with children, adults, older individuals, or athletes in exercise or health care settings, and prescribe and supervise age and fitness appropriate exercise programs and perform comprehensive health-related assessments.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Family and Child Development (FCD)

FCD 1351. Lifespan Development.
This course will cover the developmental principles underlying behavior as experienced in physical, intellectual, emotional and social changes across the lifespan. Emphasis will be on adult development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 1355. Introduction to Family Relationships.
This course will cover a range of research-based topics including the universality and uniqueness of American families, the establishment and maintenance of relationships, family formation, parenthood, and other aspects related to individual and family relationships through the lifespan.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 2351. Child Development.
Students will focus on development across domains from conception to adolescence and apply knowledge of child development to observations of children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

FCD 2352. Middle Childhood Development.
This course will focus on the typical developmental characteristics of children between the ages of six and twelve years across physical, motor, cognitive, language, social, and emotional domains. Students will explore developmentally appropriate out-of-school-time programs, including environments and activities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 2353. Principles of Guidance.
Students will examine research, theory, and developmentally appropriate practices related to children's social development and child guidance techniques. Participation in the Child Development Center is required. Restricted to Family and Child Development majors and minors. Prerequisite: FCD 2351 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

FCD 3344. Introduction to Infant and Early Childhood Mental Health.
This course is an introduction to the interdisciplinary understanding of the social and emotional development of infants and young children within the context of the family. Emphasis will be on the role of the infant mental health specialist in strengthening the development of young children.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 3350. Sexuality Across the Lifespan.
This course focuses on sexuality development across the lifespan. Emphasis will be on the impacts of sexuality on a person's cognitive, social, emotional, and physical development with focus on how sexuality influences current critical issues for families and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 3351. Creative Experiences for Children: The Arts.
This course focuses on developmentally appropriate methods, materials, and planning for children's programs through language, literature, music, art, play, and social studies. Participation in the Child Development Center is required. Prerequisite: FCD 2353 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

FCD 3352. Development of Programs for Children.
This course focuses on the study of group care programs for children including the implementation and assessment of developmentally appropriate programs. Various theoretical and philosophical components will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCD 3353. Family Life Education.
This course focuses on the relationships between core, research-based knowledge, educational practice, and audience characteristics in family life education. Students will have the opportunity to develop, practice, and evaluate family life materials and presentations. (WI) Prerequisites: FCD 2353 and [FCD 1355 or FCD 3355] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCD 3354. Creative Experiences: STEM.
This course will focus on the application of methods, materials, and planning in the development of curriculum for young children through math, science, engineering, and technology. Participation in the Child Development Center is required. Prerequisite: FCD 2353 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

FCD 3356. Introduction to Early Childhood Intervention.
This course provides an interdisciplinary orientation to the professional discipline of early childhood intervention and the early intervention specialist. Prerequisite: FCD 2351 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 3358. Practicum in Child Development.
Structured practical experience in approved early care and education programs. Prerequisites: FCD 2353 and [FCD 3351 or FCD 3354] both with grades of "D" or better or instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

FCD 3359. Family Diversity.
This course will explore both the internal dynamics and external environments of diverse family forms — including prevalence, social conditions leading to and sustaining their existence, common stereotypes, and recent research. Prerequisite: FCD 3355 or FCD 1355 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 3394. Adolescent Development.
A study of adolescence as it relates to current critical issues for families and society. The course will focus on specific techniques to analyze and assist the development of adolescents. Emphasis will be on theory and research as it explains the development process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 4301. Internship in Family and Child Development.
This course provides internship fieldwork in related professions, services, industry, or business for students in Family and Child Development. Students must meet college, department, and program requirements.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

FCD 4302C. Conducting Research on Latino Families.
This course is an introduction to research with Latino families. Through the course students will explore current research issues via reviewing research articles. Students will also conduct research with Latino families, gaining important research experience. Prerequisite: Minimum 2.5 Texas State GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCD 4302D. Language, Literacy, and Children's Literature.
Students will explore the foundations of children's language development and literacy skills using the various forms and genres of children's literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCD 4302E. Latino Youth and Families.
This course is an introduction to research regarding the development of Latino youth and families, exploring the most common physical, cognitive, and socio-emotional aspects of development. Students will learn that these changes are dynamically interrelated and diverse, often depending on factors such as gender and cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCD 4302F. Middle Childhood Development.
This course will focus on the typical developmental characteristics of children between the ages of six and twelve years across physical, motor, cognitive, language, social, and emotional domains. Students will explore developmentally appropriate out-of-school-time programs, including environments and activities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCD 4302G. Conducting Research in Early Childhood.
This course provides students an opportunity to explore and develop fundamental concepts, principles, and methods of research in early childhood, with emphasis on critiques, interpreting and applying research results and participating in the research process. Prerequisite: Minimum 2.5 Texas State GPA.
3 Credit Hours. 1 Lecture Contact Hour. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

FCD 4351. Cultural Diversity of Families.
Students will study cultural diversity with an emphasis on different racial and/or ethnic groups, religions, and social classes. Students will explore selected family science research methods and topics including family function, family life patterns, multicultural groups, agents of enculturation, and family life education as they relate to cultural diversity. (MULT)(WI) Prerequisite: FCD 1355 or FCD 3355 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

FCD 4352. Administration of Programs for Children.
This course addresses the history, philosophy, and ethics of programs for young children. Emphasis on responsibilities of the child care administrator in relation to staff, budgets, facility laws, and standards of agency management. Prerequisite: FCD 2353 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 4353. Introduction to Child Life.
This course introduces students to theoretical and practical methods of working with children and their families in health care settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 4355. Family Theory.
Study and comparison of various theories, family structures, and transitions. Investigation of interaction strategies to enhance successful family function across various family structures and transitions. Prerequisite: FCD 1355 or FCD 3355 either with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 4356. Administration of Human Service Organizations.
Students will study the implementation of non-profit family and child development programs. Emphasis will be on the leadership and management of human service organizations including program staffing, strategic planning, problem solving, grant writing, and ethical leadership. Prerequisite: FCD 2353 and [FCD 1355 or FCD 3355] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 4357. Comparative Studies in Child Development.
The study of international early care and education systems including philosophy, goals, funding, and regulation. The role of government policies in the development and implementation of systems will be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCD 4358. Latino Youth and Families.
This course is an introduction to research regarding the development of Latino youth and families, exploring the most common physical, cognitive, and socio-emotional aspects of development. Students will learn that these changes are dynamically interrelated and diverse, often depending on factors such as gender and cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCD 4391. Independent Study in Family and Child Development.
Independent reading and/or research on a specific topic related to student's primary area of interest. Work may consist of research, reviews and integration of existing literature, or other appropriate independent work. May be repeated once for credit with approval of instructor. (WI).
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

FCD 5100. Introduction to Family and Child Studies.
Focus on gaining information and competencies important to graduate study success. Includes academic expectations for graduate students as well as information related to the Family and Child Studies graduate program. Required for Family and Child Studies majors.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCD 5199B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5299B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5302K. Foundations of Play.
This course will address foundations and theories of play in the growth and development of children. Medical play, play therapy, music therapy, art therapy, and animal therapy will also be incorporated into the course curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCD 5340. Advanced Cultural Diversity of Families.
Survey study of family diversity through selected family science research methods and topics including family structure and function, family life patterns, multicultural groups, agents of enculturation, and family life education.Prerequisite: Graduate Standing. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FCD 5341. Advanced Child Development.
Focus on developmental processes and influences from conception through early childhood period. Includes interactive relationship of biological and environmental factors in total development of the child. Child observations required. Prerequisite: Graduate Standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5343. Hospitalized Child: Child Life Specialist.
This course enhances students' ability to utilize theoretical and applied technologies when interacting with children and families in hospital settings. Prerequisite: Graduate Standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5344. Infant and Early Childhood Mental Health.
This course provides an interdisciplinary understanding of the social and emotional development of infants and young children within the context of the family. Focus will be on the role of the infant mental health specialist in strengthening the development of young children and the parent-child relationship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5345. Advanced Methods in Child Life.
This course focuses on the applied techniques and methodologies essential to the child life profession. In addition, this course offers guided experience and opportunities for stepping into the child life profession, ongoing career development and self care.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5346. Foundations of Family and Child Studies.
This course will cover the foundations of family and child studies. Topics will include child development, principles of guidance, and family relationships. Prerequisite: Graduate standing. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FCD 5347. Grief and Bereavement in Children, Adolescents, and Parents.
This course includes a historical review of theoretical models on grief and bereavement, influences on grief and bereavement responses, and current perspectives on helping the bereaved cope. Implications for child life specialists will be analyzed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5348. Pain and Anxiety Management for Children.
This course provides child life students with theoretical foundations and applied non-pharmacological strategies for assessing children's pain and anxiety and assisting them with alleviation during painful healthcare and other life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5350. Research Design and Methods in Family and Child Studies.
Evaluation of research concepts, methods, and strategies in family and child studies. Topics include the nature of scientific research, sampling, measurement, data collection, types of socio-behavioral research, data analysis, and evaluation of research reports.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5351. Advanced Theory in Family and Child Studies.
A critical evaluation of theoretical concepts and current research in family and child studies. Emphasis on recent trends in family and child theories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5352. Seminar: Issues in Family and Child Studies.
Seminar to examine current issues in family and child studies. Emphasis on current research, theories, and applications. Also includes orientation to the conceptual and methodological perspectives of multi-disciplinary study in the field of family and child studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5353. Program Evaluation in Family and Child Studies.
Study of the diversity and effectiveness of family and child services programs at the federal, state, and community levels. Program evaluation strategies and measures, fiscal management, and grant writing will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5355. Advanced Independent Study.
Individual work on problems related to student's primary area of specialization. Work may consist of empirical research or of critical reviews and integration of existing literature. Course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5356. Advanced Program Administration.
Study of family and child services systems. Management theory and strategies, strategic planning, program development and implementation, personnel management, and public policy are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5357. Comparative Studies in Child Development.
This course focuses on the study of cultural values and beliefs and the reflection of these in child development (0-18 years) and practices in the U.S. and selected countries. The interactive influence of culture and national policies will also be studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCD 5358. Practicum in Family and Child Studies I.
Structured practical experience in family and child studies in a private or public setting. Supervision provided by a member of the graduate faculty and a designated individual at the work site. Focus will be on experiential learning. Prerequisite: Departmental approval required; online practicum form required for registration.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5359. Practicum in Family and Child Studies II.
Continued practical experience in family and child studies at a private or public setting with supervision provided by a member of the graduate faculty and a designated individual at the work site. A research report will be integrated with practical application. Prerequisite: FCD 5358 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5399A. Thesis.
This course represents a student's initial thesis enrollment. Focus is on identification of thesis topic, review of literature, and research design. No thesis credit is awarded until student has completed the thesis in FCD 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5399B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5599B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5659. Internship in Child Life.
Structured hospital experience for individuals who plan to pursue a career in child life. Provides opportunity to work in a hospital setting under the direction of a certified child life specialist. Prerequisite: 30 hours of graduate coursework or approval of graduate advisor; online practicum form required.
6 Credit Hours. 0 Lecture Contact Hours. 32 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCD 5999B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: FCD 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Family and Consumer Sciences (FCS)

FCS 1310. Foundations in Family and Consumer Sciences.
This course provides an overview of the field of Family and Consumer Sciences as it relates to human ecology, emphasizing its interdisciplinary nature, history, theories, career opportunities, and career readiness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 3303. Introduction to Research in Family and Consumer Sciences.
This course examines practices in the social science research process, with an emphasis on general scientific literacy. Content will focus on technical and academic writing for use in the Family and Consumer Sciences profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCS 4101. Special Problems in Family and Consumer Sciences.
A study of selected areas of Family and Consumer Sciences. Repeatable for credit with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Dual Enrollment Permitted|Header|Time Conflicts Permitted
Grade Mode: Standard Letter

FCS 4303. Research Procedures in Family & Consumer Sciences.
The study and implementation of research procedures for use with family and consumer sciences programs. Includes instrument selection, recruitment and testing of subjects, coding, analysis and dissemination of data. Will include field based experiences using appropriate research procedures. Restricted to Senior Standing. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCS 4304A. Family Finance II.
This course is a study of financial management for individuals and families. Topics include financial inequality, investments, retirement planning, and estate planning. Prerequisite: CA 3341 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCS 4304B. Introduction to Research Methods in Family and Consumer Sciences.
The examination of practices in the social science research process with an emphasis on general scientific literacy and technical, academic writing for use with Family and Consumer Sciences programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

FCS 4340. International Study in Family and Consumer Sciences.
Study of Family and Consumer Sciences topics in international settings. Emphasis will be placed on cultural awareness and its application within FCS professions. Repeatable for credit with different emphasis. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

FCS 4343. Occupational Education in FCS.
Its purpose is to help prepare students for teacher certification and teach occupational education content in 11-12 grade FCS classrooms. Occupational education course in 11-12 grades such as Services for Older Adults, Hospitality Services, Childcare and Guidance and Food Production, management and services are designed for students to gain extensive management skills and practical work experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 4344. Instructional Management for Family and Consumer Sciences.
This course provides students with hands-on application of the Texas Teaching Proficiencies as outlined by the Texas Teacher Evaluation and Support System (T-TESS) and the Danielson Framework. Principles and practices specifically needed for managing the FCS classroom will be addressed.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCS 4347. Family Policy.
This course is an examination of policy-making and the significance of national, state and local policies that affect families. Students will analyze social policies, including government programs and legislation, and discuss how to influence change in policies. Use of the Internet and computer software programs such as Word, PowerPoint, and others required. Requires Senior Standing. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FCS 4681. Family and Consumer Sciences: Principles and Process.
Students will apply knowledge and skills learned during the teacher preparation program while engaging in clinical practice with experienced Family & Consumer Sciences mentor teachers in school settings with university instruction and supervision. This culmination experience is required for Texas teacher certification. Requires departmental approval through the OEP. Prerequisites: Admittance to the Educator Preparation Program, 2.75 Overall GPA; Additional coursework may not be taken concurrently; For undergraduate students, all other degree-required course work must be completed; For graduate and post-baccalaureate students, all certification coursework must be completed.
6 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

FCS 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable up to 3 times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5301. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. It provides information about the educational needs of Texas State University's diverse student body. It also identifies educational strategies and campus resources that support the learning of undergraduate students. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

FCS 5302H. Sustainable Consumer Economy.
This course is a in-depth study of the role of consumption in the development of sustainable systems including the family, natural resources and economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5302J. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Restricted to students in one of the graduate FCS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FCS 5302S. Sustainable Textiles.
This course is an in-depth study of the relationship of fibers, fabrics, finishes and textile products end-uses with a particular focus on their impact on sustainability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FCS 5305. Sustainable Housing.
This course is an in-depth study of the relationship between housing and sustainability with a particular focus on the role of materials, technology, policy and human factors in fostering healthy social, economic and natural systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5307. Sustainable Lighting.
This course focuses on understanding the elements and principles of sustainable lighting and explains how it meets the qualitative needs of the visual environment with the least impact on the natural environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5310. Research Methods in FCS.
This course will cover the evaluation of concepts, methods, and strategies for research in the disciplines of family and consumer sciences. The course will focus on the nature and ethics of scientific research, including design, sampling, measurement, and data collection. Restricted to graduate level majors in the School of Family and Consumer Sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5311. Statistics and Data Analysis for Family and Consumer Sciences.
This is a graduate level course covering statistical techniques commonly used in the field of family and consumer sciences. Topics include descriptive statistics, Chi-Square analysis, analysis of variance and covariance, simple and multiple linear regression, logistic regression, and use of statistical software. Data analysis to support decision-making is emphasized. Prerequisite: FCS 5310 with a grade of "C" or better. Restricted to graduate students in FCS.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FCS 5340. International Study in Family and Consumer Sciences.
Study of Family and Consumer Sciences topics in international settings. Emphasis will be placed on an analysis of cultural differences and similarities and their application within FCS professions. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

Fashion Merchandising (FM)

FM 1330. Introduction to Fashion Merchandising.
Survey of the fashion industry including an overview of the development, production and distribution of fashion goods and services.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 1332. Textiles.
A consumer-oriented study of the relationship of fibers, fabrics, and textile product end-uses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 2330. Aesthetics and Branding.
The study of promotional strategies unique to the fashion industry. Emphasis is placed on techniques used at the retail level. Prerequisite: FM 1330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 2334. Fashion Product Analysis.
This course focuses on the study of fashion product manufacturing, including textile product quality control issues important to manufacturers, retailers, and consumers. Emphasis is placed on specifying quality based on appearance, cost, durability, and end-use of textile products. Prerequisite: FM 1330 and FM 1332 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 2335. Gender, Appearance, and Society.
The investigation of the role of dress and appearance in nonverbal communication, development of the self and gender identity, and social interactions of individuals with a particular emphasis on diverse appearances by various cultural groups.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 2336. Introduction to Merchandising Technology.
This course introduces new technologies and industry software used in the merchandising industry and prepares students to take advanced courses that rely on these technologies and software. Topics include Adobe Photoshop and Illustrator, Microsoft Excel, SPSS statistics, and Space Planning software.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 3320. Special Events Planning.
This course is an in-depth study of selected topics and emerging issues related to the planning of special events. Course emphasis will be on planning, organizing, implementing and evaluating special events. Prerequisite: FM 2330 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 3330. Fashion Buying Principles I.
Quantitative concepts used in merchandising fashion goods with an emphasis on profitability. Prerequisite: [FM 2334 or FM 2336] and [MATH 1315 or MATH 1316 or MATH 1319] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 3332. Fashion Promotional Strategies II.
The study of promotional strategies unique to the fashion industry. Emphasis is placed on techniques initiated by manufacturers and wholesalers of fashion products. Prerequisites: FM 2330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 3333. Merchandise Presentation and Planning.
This course is designed to apply critical thinking skills within the context of retail store space planning and presentation, product category management, and merchandise allocation for a variety of retail business types. Prerequisite: FM 2330 and [FM 2334 or FM 2336] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 3334. Fashion Merchandising Administration.
The study of human resource management in the fashion industry including recruitment, development, assessment, and compensation. Prerequisite: FM 1330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 3335. History of Fashion.
This course is a survey of textiles, dress and adornment from pre-history through the ancient Eastern and Middle Eastern cultures to the development of Western civilization ending with the Industrial Revolution.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 3336. Modern Fashion Trends.
This course is a chronological study of fashion, dress and adornment from the Industrial Revolution through modern times. Emphasis in the course is on the socio-economic, political, and technological factors contributing to the evolution of fashion.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 4101. Special Problems in Fashion Merchandising.
A study of selected areas of Fashion Merchandising. Repeatable for credit with different emphasis.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

FM 4301. Internship in Fashion Merchandising.
This course is an Internship in Fashion Merchandising-related professions focused on production, distribution, or retailing of fashion goods, or auxiliary services. Repeatable for credit once. Prerequisite: FM 3334 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

FM 4302B. Specialty Fashion Markets.
An in-depth study of specialty fashion markets including historic background; significance of the market; terminology; product assortment, development, production and distribution; and trend analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FM 4302F. Trends Forecasting and Social Media.
This special topics course in Fashion Merchandising will focus on specific methods for forecasting fashion trends and the role of social media in the diffusion of fashion trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FM 4302G. Creative Problem Solving.
An in-depth study of selected topics or emerging issues of particular relevance to Fashion Merchandising professionals. Course may be repeated for credit with a different emphasis. Prerequisite: [FM 1332 or ID 2325 or NUTR 1362] with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FM 4320. Fashion Merchandising in Domestic Markets.
An on-site study of domestic fashion market centers. Course examines the design, production, and distribution of fashion products and services at various market levels. Repeatable for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

FM 4331. Fashion Buying Principles II.
This course is a study of the fashion merchandise buyer, planner, and allocator roles emphasizing retail merchandising functions. These include developing merchandise plans, selecting products, and negotiating terms. Using best-practice industry software, students will analyze merchandising data to manage inventory levels, and evaluate performance of sales and profit. Prerequisite: FM 3330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 4333. Advanced Merchandise Planning and Presentation.
This course is an advanced study of category management strategies with an emphasis on recognizing and evaluating performance date in space planning. This capstone course will focus on creating visual displays based on product selection and projected profit and sales. Prerequisite: FM 3333 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 4334. Fashion Product Development.
The course will focus on fashion product development for target markets. Emphasis of the course will be placed on line development, product specification, color and textile selection, sizing and product costing. Prerequisite: FM 1332 and [FM 2334 or FM 2336] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 4335. Principles of Fashion Consumption.
An analysis of variables, concepts and theories related to the role of the consumer in fashion and fashion product consumption. Prerequisite: FM 2335 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 4337. Fashion Merchandising.
The study of managerial decisions in fashion retailing with an emphasis on operational issues. Prerequisite: FM 1330 and FM 2330 and FM 3330 and FM 3334 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FM 4338. Enterprise Development.
Principles and procedures used in creating successful enterprises to meet consumer demand, including consumer research, logistical issues, and strategic planning. Examines various product and service offerings in traditional and non-traditional outlets.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FM 4339. Fashion Economics.
Economic perspective of textile products, production and global sourcing with emphasis on U.S. fashion industries. (WI) Prerequisite: [FM 1330 and FM 1332 both with grades of "C" or better] and [ECO 2301 or ECO 2314 or ECO 2315 with a grade of "D" or better].
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FM 4340. Fashion Merchandising in International Markets.
Study of Fashion Merchandising topics in international settings. Emphasis will be placed on market differences and cultural awareness, and the implications within Fashion Merchandising professions. Repeatable for credit with different emphasis. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

FM 4391. Independent Study in Fashion Merchandising.
Independent reading and/or research on a specific topic related to students' primary area of interest. Work may consist of research, reviews, and integration of existing literature or other appropriate independent work. May be repeated once for credit with approval of instructor. (WI) Prerequisite: FM 1330 with a grade of "D" or better and instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

Finance (FIN)

FIN 3301. Real Esate.
A study of basic real estate principles. Topics include legal instruments and processes, property management, valuations, planning, development and sales, financing, and private and public interests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 3312. Business Finance.
This course is an introduction to the finance function and to problems confronting financial managers. Topics covered include ratio analysis, time value of money, asset valuation, and risk and return. Prerequisite: ACC 2362 and CIS 1323 and ECO 2314 and ECO 2315 and [MATH 1329 or MATH 2331 or MATH 2471] all with grades of "D" or better. Corequisite: QMST 2333 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 3313. Financial Management.
This course is an advanced study of intermediate and long-term financing alternatives, the incorporation of risk analyses in capital budgeting and the determination of capital costs, capital structure, and dividend policies. Prerequisite: FIN 3312 with a grade of "B" or better and QMST 2333 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 3316. Financial Information Technologies.
The course introduces students to technology supporting financial modeling and decision making. Students use computers to apply concepts and theories learned in the introductory Finance course. Course relies on quantitative analysis and use of the internet. Prerequisite: FIN 3312 with a grade of "B" or better and QMST 2333 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 3318. Investment Analysis.
This course studies the principles governing the investment of personal and institutional funds. Also examined are information sources, exchanges, and regulations. Prerequisite: FIN 3312 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 3325. Personal Financial Management.
A study of modern money management, including budgeting, banking, real estate, insurance, consumer credit, and retirement and estate planning. Not for Business majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 3326. Financial Planning Insurance.
An introduction to the steps in the financial planning process. Topics include assessing financial objectives, financial planning, and personal financial management. Insurance planning is emphasized. Prerequisites: FIN 3312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 3335. Retirement Planning and Employee Benefits.
Planning for individual and family retirement using models, software, and the analysis of federal regulations. Employee benefits are described and analyzed based on current practices and federal regulations. Prerequisite: FIN 3318 and FIN 3326 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 4317. Case Problems in Finance.
An application of investment and financial management techniques and concepts to finance cases. Issues and alternatives are identified and evaluated. (WI) Prerequisite: FIN 3313 and FIN 3316 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FIN 4318. Portfolio Management & Derivatives.
An advanced investments course which includes the following topics: portfolio analysis and management, derivatives theory and pricing, and applications of derivatives in portfolio management. Prerequisite: FIN 3313 and FIN 3316 and FIN 3318 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 4319. Financial Markets and Institutions.
A study of financial assets, money and capital markets, institutional intermediaries, and the impact of interest rates. Affords a thorough examination of the financial system facilitating economic growth and development. Prerequisite: ECO 3311 and FIN 3313 and FIN 3316 all with grades of "D" or better. Corequisite: FIN 3318 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 4320. Treasury and Working Capital Management.
A study of working capital and short-term financial management. Major topics include cash collections, cash concentration, disbursement management, forecasting cash flows, management of receivables and inventory, banking relationships, and short-term investment and borrow strategies. Prerequisite: FIN 3313 and FIN 3316 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 4321. Real Estate Finance.
An analysis of problems involved in selecting and financing real estate investment opportunities. Prerequisite: FIN 3312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 4322. Student Managed Investment Fund Practicum.
The course examines the issues involved in the management and investment strategies of an endowment. It focuses on investment analysis, asset allocation, portfolio monitoring, evaluation, and rebalancing. May be repeated one time for credit with different emphasis. Prerequisites: FIN 3318 with a grade of "D" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

FIN 4325. Advanced Financial Planning.
Advanced course for finance majors interested in financial planning. Topics include ethics in the financial services industry, retirement planning and employee benefits, and estate planning. Prerequisite: FIN 3318 and FIN 3326 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 4326. Financial Plan Development.
Financial Plan Development. Capstone course in personal financial planning. Integration of the financial planning curriculum in the development and presentation of a comprehensive personal financial plan. Prerequisite: FIN 3335 and FIN 4325 both with grades of "D" or better. Corequisite: ACC 4328 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FIN 4331. International Finance.
A study of international finance principles and their application in a multinational financial management setting. (MULT). Prerequisite: ECO 3311 and FIN 3313 and FIN 3316 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 4340. Commercial Bank Management.
Examines a variety of aspects of managing a commercial bank. Provides students with a conceptual framework for determining the effects of various decisions and environmental factors on a commercial bank's operations. Issues addressed include bank regulations, asset and liability management, analyzing bank performance, and capital management. Prerequisite: FIN 3313 and FIN 3316 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 4380A. Advance Capital Budgeting.
A study of capital budgeting techniques, analyses (including risk), and strategies, and their implementation in capital assets investment. Prerequisite: FIN 3313 and FIN 3316 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FIN 4380F. New Venture Finance.
An advanced study of methodolgies to value financial investments; including but not limited to capital expenditures, commercial real estate, public companies, private companies, and start-up companies. Additional studies will include cost of capital structure and funding sources and alternatives. Prerequisite: FIN 3313 and FIN 3316 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FIN 4380G. Financial Modeling and Equity Analysis.
This course reviews and extends students' ability to perform financial statement analysis and forecasting. The focus of the course is on producing objective, theory-based company valuation research. Students will choose and defend inputs for qualitative analysis, and discover the importance of qualitative factors in firm value and performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FIN 4380H. Introduction to Fiduciary Law.
This course will develop the student's fiduciary knowledge and skills. Students will develop a basic understanding of estate and trust administration, risk management, compliance, and tax planning. Key concepts will include Intestate Succession, Wills, Estate Administration, Trusts, Fiduciary Litigation, Wealth Transfer Taxation, Death and Disability Planning. Prerequisites: FIN 3312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FIN 4380I. Introduction to Trust Principles.
The course will explain the principles of estate planning, taxation and different forms of property ownership. A focus will be on the characteristics, administration and usage of trusts, retirement plans, guardianships and powers of attorney. Students will also follow the process of creating and administering a will containing Trust provisions. Prerequisite: FIN 3312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FIN 4380J. Introduction to Finance Analytics.
This course examines how data can be turned into insights for advance Finance concepts (trading strategies, portfolio optimization, model evaluation, investment planning, etc.). This course will show how to use open-source software (R, Python) in a Finance context. This is a hands-on practical programming course with step-by-step source code, in-class exercises and full solutions provided. No previous knowledge of programming is required. However, to be successful in this course you need to want to learn to program. Upon completion, students will be aware of financial models related to investments and corporate finance and will be able to write simple code. Prerequisite: FIN 3313 and FIN 3318 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FIN 4390. Internship in Finance.
Integration of professional and academic experience through an internship with an external employer. Students must have completed at least nine hours of major courses. Credit awarded as pass/fail or grade at departmental election. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

FIN 4395. Independent Study in Finance.
An in-depth study of a single topic or related problem solved through finance research. May be repeated once for credit with different emphasis. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

FIN 5307. Financial Analysis.
Development of the theoretical basis and presentation of the techniques for the acquisition and management of the firm's financial resources. Topics include working capital management, capital budgeting, and internal and external financing decisions. May not be counted as an MBA elective course. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

FIN 5322. Investment Analysis.
This course provides an introduction to the basic concepts of investments and investment management. It is designed to develop a framework within which to view the investment process in a global environment and an understanding of the institutional setting in which investment decisions are made. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5332. Portfolio Theory and Capital Markets.
This course is designed to provide students with an overview of the strategies for creating and managing portfolios. At the end of this course, students should understand the tools for investment management. Topics covered include portfolio construction and analysis, risk analysis, asset class management, derivatives, and portfolio performance analysis. Prerequisite: FIN 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5337. International Finance.
Examination of economic incentives and rationale for multinational firms,exchange rate risk exposure and management, investment decision strategy, and the general economic impact of multinational firm activity. (MULT) Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5338. International Investments and Financial Management.
Examination of economic incentives and rationale for international investment and financing. Topics include exchange rate risk exposure and management, global debt and equity investment and financing, foreign currency derivative markets, and general investment and financing strategy in global capital market. Prerequisite: B A 5352 with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FIN 5347C. Real Estate Investment.
An application of capital budgeting to real estate investment decisions. Prerequisite: FIN 5387 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

FIN 5387. Managerial Finance.
Concentrates on the finance function, analysis and budgeting of funds,management of current assets, short and intermediate-term financing requirements, long-term debt policy and capital structure, capital budgeting, and the concept of cost of capital. Risk and return trade-offs also are studied. Prerequisite: B A 5352 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FIN 5395. Independent Study in Finance.
An in-depth study of a single topic or related problem solved through finance research. The course may be repeated once if the topic studied is different. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

French (FR)

FR 1410. Beginning French I.
Introduction to listening, speaking, reading, and writing skills within a French cultural framework. Students who take FR 1410 toward degree requirements must also complete FR 1420. (MULT).
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: FREN 1411

FR 1420. Beginning French II.
Continued practice in listening, speaking, reading, and writing skills within a French cultural framework. Students who take FR 1410 toward degree requirements must also complete FR 1420. (MULT). Prerequisite: FR 1410 with a grade of "D" or better.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: FREN 1412

FR 2310. Intermediate French I.
Continued development and review of all language skills within a French cultural framework. (MULT). Prerequisite: FR 1420 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: FREN 2311

FR 2320. Intermediate French II.
More advanced practice in all language skills with greater emphasis on reading within a French cultural framework. (MULT). Prerequisite: FR 2310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: FREN 2312

FR 3303. French Composition and Conversation.
This course introduces students to extended writing and conversation in French. Students will examine contemporary French and Francophone life from a variety of focuses: social, cultural, and professional. This course will prepare students for taking other advanced literature, cultural, and business courses in French. Prerequisite: FR 2320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FR 3305. Acting French.
An introduction to upper division courses in French designed to strengthen reading skills and oral command of the language through the study and performance of short French plays from the classical to the contemporary period. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FR 3306. Masterpieces of French Literature.
Masterpieces of French literature in various genres from different periods with emphasis on the modern period. Repeatable for credit with different emphasis. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

FR 3308. French Translation I.
This course introduces students to translation from French to English. Students identify key translation techniques, interpret and discuss French texts, and propose translations for them. They compare, analyze and evaluate translations and revise their own work based on suggestions. This course prepares students for a course in specialized translation. Prerequisite: FR 2320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FR 3310. French Pronunciation and Intonation.
Study and intensive practice of problems in French pronunciation and intonation. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FR 3341. Advanced Grammar in French.
A study of more advanced grammatical, syntactical, and stylistic problems in mastering the French language with the aim of strengthening students' command of the structure of French and developing skills for more effective writing. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FR 3350. History of French Cinema I, 1895-1960.
This course introduces students to the history of French Cinema from the medium's origins in 1895 to the late 1950s. Students will learn about major developments in film narrative and technology in France from the silent to the classic eras. May be repeated for credit when topic varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

FR 3351. History of French Cinema II, 1960 to the Present.
This course introduces students to the history of French Cinema from the late 1950s to the present. Students will learn about major developments in film narrative and technology in France from the New Wave to the New New Wave cinemas. May be repeated for credit when topic varies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

FR 3381. Business French I.
A course designed for students interested in business related careers. The course will help students to become familiar with basic French business language and the specifics of Francophone business cultures. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FR 3382. Business French II.
A case study-based course that uses a simulation approach to problem-solving in a French business environment. The course objective is the development of an understanding of French practices, and the way they differ from American ones, through the analysis of contextualized situations in marketing and management. (MULT). Prerequisite: FR 3381 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

FR 4304B. French Genre Fiction.
This course focuses on the study of specific fictional works associated with a particular genre (e.g., crime fiction, the fantastic, and science-fiction) and the authors who are exemplars of that narrative category. Prerequisite: FR 2320 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

FR 4307. Study of French Language.
This course introduces students to the scientific study of the French language through discussion of readings with examples in both English and French. Prerequisite: FR 3310 or FR 3341 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FR 4308. French Translation II.
This course provides a theoretical framework for the advanced study of translation and an introduction to specific fields such as legal, business, financial, technical and medical translation as well as localization. Prerequisite: FR 3303 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FR 4330A. History of French Media.
This course introduces students to a survey of the history of the French press from the early modern to the post-World War II period. Topics include the roles of ideology and collective memory, of illustration and caricature, of propaganda and censorship, and of the development of the French intellectual figure. Prerequisite: FR 3303 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

FR 4330B. Contemporary Issues in French Media.
This course focuses on contemporary French media – printed, broadcast, and online – from the postwar period to the present. Prerequisite: FR 3303 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

FR 4341. French Composition and Stylistics.
Students will incorporate their more advanced grammatical and syntactical skills with the study of style in the writing of compositions in French. Writing exercises will explore a variety of expository techniques from description, narration, dialogue, portraits, to the writing of letters. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

FR 4350A. French Poetic Realist Cinema.
This course will study the films and directors associated with Poetic Realism, the film style of the 1930s in France and an important precursor to Italian Neorealism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

FR 4350C. French Directors' Series.
This course offers students an in-depth examination of the films, themes, and styles associated with specific contemporary or classic French directors. Taught in English.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

FR 4370. French Civilization.
A survey of the cultural institutions of France designed to provide a background for a better understanding of the French people, encompassing the development of French culture and the forces that have shaped modern France. Recent essays, films, and comparative analyses of French-American relations will be presented. Repeatable for credit with different emphasis. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

FR 4390. Studies in French Culture, Language, or Literature.
A course designed to offer students an opportunity to pursue independent studies in special areas of interest beyond those of other catalog courses. The course is generally available only to graduating seniors who have completed at least two advanced courses or graduate students with special needs. May be repeated once for additional credit. (MULT) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

General Science (GS)

GS 3310. General Science.
This course is a laboratory course designed to acquaint the student with the fundamentals of chemistry and earth space science. It is non-creditable for science majors but is a required course for Elementary EC-6 Generalist certification. Prerequisites: PHYS 1310, PHYS 1320, and PHYS 1110; or PHYS 1410 and PHYS 1420 all with grades of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GS 3320. General Science.
This course is a laboratory course designed to acquaint the student with the fundamentals of biological science. It is non-creditable for science majors but is a required course for Elementary EC-6 Generalist certification. Prerequisite: BIO 1320, BIO 1421, BIO 1330 and BIO 1130, or BIO 1331 and BIO 1131 completed with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

General Studies (GNST)

GNST 4300. Interdisciplinary Preparation.
This course includes a variety of activities and written assignments designed to encourage self-analysis of intellectual/career interests and career planning. Students will develop an interdisciplinary career plan incorporating three formal minors that lead to a Bachelor of General Studies degree. Prerequisite: A minimum 2.0 Texas State GPA and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GNST 4350. Interdisciplinary Project.
Students will design and complete an interdisciplinary capstone project incorporating their three selected BGS minors. The project components will include a project proposal, substantial research, and a final applied project directed toward a specific audience. Presentations of some or all of the components of the completed project are required. Prerequisite: A minimum 2.0 Texas State GPA and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

Geography (GEO)

GEO 1105. Meteorology Laboratory.
Laboratory observations, calculations, and exercises of meteorological data and phenomena. Prerequisite: GEO 1305 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: GEOL 1147

GEO 1305. Meteorology.
An introduction to atmospheric science providing information on the properties of the atmosphere, the scientific principles that govern weather and climate, and interactions between the atmosphere and the other components of the Earth system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: GEOL 1347

GEO 1309. Introduction to Cultural Geography.
This course introduces students to the geographical perspective and focuses on spatial distributions of human activities and investigates underlying geographical processes that account for present and past cultural patterns such as population,folk and popular culture, language, religion, gender, ethnicity, politics, urban and rural land use, and economic development. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: GEOG 1302

GEO 1310. World Geography.
This course stresses the similarities and differences of the major world regions. Emphasis is given to human behavior in a spatial context. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080|Multicultural Content
Grade Mode: Standard Letter
TCCN: GEOG 1303

GEO 2110. Physical Geography Laboratory.
This is a laboratory course that includes exercises and calculations to apply principles and concepts covered in introductory physical geography lecture classes. These include geographic tools, weather and climate, soils and biogeography, and geomorphology. Open only to students who have taken the lecture class at another college/university. Prerequisite: MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471 any with a grade of "C" or better and instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 2310. Introduction to Environmental Geography.
Introduces the Geographic perspective to examine the Earth's environment and its opportunities, constraints, and risks, Principles of scale space, and distributions will be used in examining the environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 2410. Introduction to Physical Geography.
A systematic study of the various elements that make up the Earth's physical environment, weather, climate, vegetation, soil, and landforms. Prerequisites: MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2328 or MATH 2417 or MATH 2471 any with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 2420. Introduction to Geographic Information Techniques.
The course will introduce the foundations of geographic information systems (GIS), global positioning systems (GPS), remote sensing, cartography, data analysis, and other tools and methods used by geographic information scientists. Maps, data collection, using and creating Internet content, and data analysis and display will be topics in the course.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 2426. Fundamentals of Geographic Information Systems.
This course is an introduction to Geographic Information Systems (GIS), a tool for integrating and analyzing spatial data to visualize relationships, seek explanations and develop solutions to pressing problems. The foundations and theory of GIS will be emphasized. Prerequisites: MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2328 or MATH 2417 or MATH 2471 any with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 2427. Management and Implementation of GIS.
This course addresses strategies for successful GIS management and implementation in an organization-wide context and is organized around four primary issues: implementation planning, data management, technology assessment, and organizational setting. Prerequisite: GEO 2426 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 3134. Water Quality Monitoring and Management.
This course incorporates the water quality training of Texas Watch so students can receive certification and become Texas Watch water quality monitors. In addition, students learn to compile, analyze, and present water quality data for watershed management. May be repeated once for credit. Corequisite: GEO 3434 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 3301. Research Methods in Geography.
This course provides an introduction to quantitative and qualitative research methodology, data collection and analytical techniques. Topics include descriptive, inferential, spatial quantitative statistics and qualitative methods such as case studies and content analysis. The course will introduce students to software applications that are designed for organizing, analyzing and visualizing data. Prerequisite: MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2328 or MATH 2417 or MATH 2471 any with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3303. Economic Geography.
This course investigates the geographic organization of economic activity with emphasis on the interconnections from global to local scales. Technological advances, resource creation and destruction, supply and demand, distribution and development, environmental impacts, and economic justice are addressed. Theoretical models are used to interpret past and current situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3305. Climatology.
Introduction to the elements of climate and their use in environmental monitoring and analysis. Prerequisite: GEO 2410 or [GEO 1305 and MATH 1315] either with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3307. Geography of Europe.
The course presents a systematic and regional investigation of the physical and cultural processes and phenomena that have created the characteristic landscapes of Europe. Topics include the climate, landform regions, trade, transportation, urban growth, population change, and the evolution of economic integration in the region. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 3308. Latin America.
A regional survey of the physical and cultural geography of Latin America. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 3309. United States and Canada.
This course provides a systematic and regional analysis of the United States and Canada with emphasis on contemporary economic, environmental, political, and social issues. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

GEO 3310. Urban Geography.
The study of city systems, form, and development with emphasis on functional patterns, economic base, industrial location, service, and social area analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3313. Natural Resource Use and Management.
This course uses environmental concepts at all geographic scales to identify and analyze patterns and processes of resource use, and discusses management strategies to solve present and future concerns related to natural resources. Prerequisite: GEO 2410 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3320. Community and Regional Planning.
This course examines the practice, history and development of community and regional planning in the U.S. focusing on specific methods and legal frameworks of community planning and cultivating sustainable development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 3321. Energy Resource Management.
An analysis of energy sources, their distribution and characteristics, and the problems associated with their use and management. (WI) Prerequisite: MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2328 or MATH 2417 or MATH 2471 any with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 3323. Location Analysis.
Location and movement stressed in terms of the factors considered in locating industry, business, housing, and community facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3328. Geography of North Africa and the Middle East.
A regional treatment dealing with the physical features and cultural activities of the people in North Africa and the Middle East. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 3329. Geography of Texas.
A physical and cultural geography of Texas with special emphasis on human resources and economic activities. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 3332. Geography of South and Southeast Asia.
This course is a systematic and regional overview of the physical and human geography of the countries of the Indian subcontinent and Southeast Asia. Topics include the monsoons, cultural diversity, rapid economic development, agricultural systems, and environmental problems. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

GEO 3333. Geography of China and Japan.
This course provides a regional overview of the physical and human geography of the countries of East Asia. This course also systematically examines China, Korea, and Japan by closely examining such topics as the impacts of high population densities and intensive land use practices. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

GEO 3335. Oceanography.
An introductory course about the physical, chemical, geologic, and biologic characteristics of the oceans and coastal areas. Emphasis will be placed on the role of the oceans as a component of the global environment. Prerequisite: BIO 1320 or BIO 1330 or GEO 2410 or GEOL 1410 any with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3340. Political Geography.
Political geography concerns the interrelationship between political activities and spatial distributions. Topics include the concept of the state, international spheres of influence and confrontation, boundaries, contemporary world issues and problems, and geographic aspects of electoral politics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3349. Population Geography.
An in-depth study of the spatial distribution and movement of human populations. The course will emphasize current issues and analytical techniques. Topics will include the impact of population growth, spatial diffusion processes, migration trends and theories, explanation of regional demographic differences, and techniques such as population projections. Prerequisite: MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2328 or MATH 2417 or MATH 2471 any with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3351. Geography of Health.
This course introduces concepts of health, health care, disease, and illness from a geographical perspective. The course will examine how people and societies interact geographically with the environment in ways that result in varying degrees of health. The focus will be on understanding health of populations in a geographic context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3353. American Ethnic Geography.
A geographical analysis of ethnic groups in the United States with emphasis on their settlement patterns, spatial interactions, and current problems. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

GEO 3411. Maps and Mapmaking.
An introduction to reference and thematic map use and design. The course introduces basic cartographic mapping techniques for quantitative and qualitative data, teaches about geospatial analysis and interpretation, and enables students to design basic maps. Prerequisite: GEO 2426 with a grade of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 3416. Principles of Remote Sensing.
Introduction to the acquisition, mensuration, interpretation, and mapping of aerial photographs and satellite images for environmental monitoring and inventorying. Prerequisite: GEO 2410 with a grade of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 3425. Geomorphology.
This course in Geomorphology investigates linkages between landscape forms and processes with emphasis on weathering, fluvial, aeolian, karst, and coastal processes. There will be various activities, including fieldwork, where students will demonstrate their grasp on fundamental processes in geomorphology. Prerequisite: GEO 2410 or GEOL 1410 either with a grade of “C” or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 3426. Advanced GIS.
This course builds on the principles introduced in GEO 2426 and presents an in-depth examination of the technical aspects involved in spatial data handling, analysis, and modeling. Prerequisite: GEO 2426 and GEO 3301 both with grades of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 3434. Water Resources.
This course analyzes within a geographical perspective, the formation, use, conservation, and management of water resources. The students will develop a working knowledge of the hydrologic, water quality, legal, economic, political, and societal factors that determine water availability, hazards, use, demand, and allocation. Prerequisite: GEO 2410 or [CHEM 1141 and CHEM 1341] either with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 4190. Independent Study.
Individual study under direct supervision of a professor. May involve field trips. This course may be repeated for credit, but a student may not exceed six hours of credit in Independent Study.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 4290. Independent Study.
Individual study under direct supervision of a professor. May involve field trips. This course may be repeated for credit, but a student may not exceed six hours of credit in Independent Study.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 4306. Geography of the Southwest.
Though primarily defined by aridity, the southwestern United States is extremely diverse in its environments and its people. This course explores how people have related to this land. This course also examines current issues and future trends in natural resources and cultural processes in the region. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 4309. Cultural and Political Ecology.
This course examines cultural and political ecology, which employs concepts of culture formation/change and biological ecology to understand processes of adaptation and the influences of social/political power. It provides a holistic means to interpret pre-modern, non-western, and agrarian cultures as well as modern cultures as relates to their biophysical environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 4310. Regional Field Studies.
Observation, description, and analysis of a geographical environment based upon offcampus study in that environment. May be repeated once, provided the second study is in a different region, for a total of 6 semester hours. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

GEO 4313. Environmental Management.
This course provides an analysis of the causes of environmental problems, from local to global scale, and the evaluation of attempts at management and solutions of those problems. Emphasis will be placed on the role that geography can play in environmental degradation and management. Prerequisite: GEO 2410 and [GEO 3313 or GEO 3321 or GEO 3434 or GEO 4350 or GEO 4352] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 4314. River Basin Management.
The purpose of this course is to study principles and practices of large-scale river basin management. Emphasis is on integrated management of land and water resources, including economic development and environmental protection issues. (WI) Prerequisite: GEO 3434 or GEO 4325 either with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 4316. Landscape Biogeography.
Investigation of present-day and post-Pleistocene spatial patterns of plants, animals, and biogeograpical processes. Human interactions with biogeographical patterns is also addressed, as are methods for reconstructing Holocene patterns of biogeographic distribution. Course to be taught over every other year. Prerequisite: GEO 2410 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4321. Cities and Urban Design.
This course explores the interplay of intentional and natural processes shaping urban landscapes. It provides an introduction to the roles of spatial thinking and collaborative decision-making in urban planning and design. Prerequisite: GEO 3310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4322. Interpretive Environmental Geography.
Students learn principles, themes, and techniques for effective interpretation of environmental information to audiences ranging from park visitors to professional conferences. Interpretive themes are drawn from geographic concepts including the physical and cultural landscapes and cultural ecology. Techniques emphasize effective use of traditional and digital presentation methods. (WI) Prerequisite: GEO 2410 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 4323. Conservation Leadership.
This course offers an in-depth introduction to the conservation movement and the philosophy, establishment, and operation of institutions engaged in that movement. Problems and attributes of leadership will be emphasized along with the operational implications, ethical issues and other considerations for successful implementation at non-governmental, local, state, and federal levels.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4325. Fluvial Processes.
Students analyze modern principles of river processes and forms within a geographical perspective. This course examines the fundamental mechanics of fluvial channels with an emphasis on quantitative geographic evaluation of their processes. The course emphasizes natural scientific perspectives and includes linkages to ecology, engineering, resources management, and policy. Prerequisite: GEO 3425 or GEO 3434 either with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4326. Parks and Protected Places.
This course serves as an in-depth introduction to the philosophy, establishment, and operation of Public Parks, Wildlife Refuges, Protected Areas, Non-Governmental Preserves and Historic Sites. Students will be introduced to the scientific and policy rationale for the creation of such areas as well as methods of classification and acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4328. Geography of the Russian Realm.
This course presents a regional and systematic overview of the physical and human geography of the countries of the former Soviet Union. The course examines in depth issues such as the legacy of the degraded landscape and environmental problems left by decades of Soviet industrialization. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

GEO 4334. Groundwater Resources.
This course examines, within a geographical perspective, the major concepts and principles that control groundwater availability and use. Students will analyze aquifer characteristics that determine water quantity and quality. Constraints on aquifer use including environmental, economic, societal, and legal factors will be analyzed for optimizing aquifer management and water-use policy. Prerequisite: GEO 3434 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4335. Directed Research.
This course allows students to pursue advanced geographic research not offered in the present curriculum. Permission and project approval must be obtained from the supervising faculty member prior to registration. This course may be repeated for credit, but a student may not exceed six hours of credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 4336. Transportation Systems.
This course is an examination of the evolution of urban transportation systems, policies, institutions, and methods in the United States. Principles, procedures, and techniques of transportation planning in the State of Texas are covered and students are introduced to the literature in transportation geography and methods of transportation analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4338. Planning Practicum.
This capstone course focuses on methods and procedures used for planning and managing urban development on the local level. Topics include municipal ordinances, the development/redevelopment process and relationships between development, capital improvements and the local economy. Prerequisite: GEO 3320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4339. Environmental Hazards.
Analysis of environmental hazards with respect to human use of the land. Includes geologic hazards and problems caused by floods and meteorological conditions. Prerequisite: GEO 2410 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4340. Fundamental Themes in Geography.
Students will become familiar with the K-12 Geography Texas Essential Knowledge and Skills (TEKS) and the national geography content standards, identify instructional resources and materials, design instructional units, and fully develop grade level appropriate inquiry based lessons and student assessments. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 4341. Water Policy.
This course covers the evolution of water policy from the awareness of issues, through the political and legal process, to the implementation of specific plans, programs, and facilities. Prerequisite: GEO 3434 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4350. Solid Waste Planning and Management.
A survey of the methods of solid waste disposal including waste storage, collection, transportation and disposal, and their short-and long-range effects on the environment. A practical course in the planning, implementation, and management of alternate methods of sanitary waste disposal. Prerequisite: GEO 2410 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4352. Air Quality Management.
This course provides an assessment and analysis of air quality including types, sources, and effects of air pollutants as well as principles governing their dispersal and mangagement. These aspects are analyzed considering physical science, economic, legal and social factors. Prerequisite: [CHEM 1141 and CHEM 1341] or GEO 2410 or GEO 3305 any with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4355. Geography of Crime.
This course provides understanding of geographical aspects of crime and criminal behavior. Students are exposed to theories and analysis methods and models explaining and predicting crime spatial patterns. Computer exercises give students hands on experience on crime pattern analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4356. Urban Infrastructure Management.
This course examines life-cycle management of technology-enhanced urban infrastructure. Buildings, transportation systems, water and waste treatment facilities, and energy and communication grids are considered. Sensor data and other factors are analyzed to establish repair and rehabilitation strategies to improve an asset's functionality, safety, and economic value. Prerequisite: CE 3360 or GEO 3426 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

GEO 4380. Internship in Geography.
On-the-job training in a public or private-sector agency. Students must apply to the department internship director at least six weeks prior to registering for the internship course. This course may be repeated one time for additional internship credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 4390. Independent Study.
Individual study under direct supervision of a professor. May involve field trips. This course may be repeated for credit, but a student may not exceed six hours of credit in Independent Study.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 4393A. Environmental Compliance.
This course examines the implementation and enforcement of environmental statutes and regulations from a geographic perspective that includes physical environmental, cultural, social, economic, and legal parameters. The course focuses on current environmental requirements as applied to contemporary regulatory challenges including widely applicable innovative compliance strategies. Prerequisite: GEO 3321 or GEO 3434 or GEO 4350 or GEO 4352 any with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 4393B. Business Geography.
This course provides an exploration of the geospatial analysis of business activities in the United States with emphasis on site location, market segmentation and material/product tracking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 4393C. Introduction to GeoProgramming.
This course aims to develop advanced GIS concepts, techniques, analytical skills (e.g. spatial data manipulation), and provide hands-on experience with geoprogramming in GIS software programs. The emphasis will focus on the application of basic programming skills to solve real-world GIS problems. Prerequisite: GEO 3426 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 4393D. Geography of Food and Agriculture.
Critical evaluation of local and global food systems considering the implications of varying forms of production and consumption. Exploration of topics related to sociocultural, economic, and environmental landscape change as well as the role of agriculture in both rural and urban places, and sustainability writ large.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

GEO 4393E. Race, Class, and the American City.
This course examines historical and contemporary intersections of race and class as they have been shaped by and continue to influence urbanization in the United States while emphasizing geographical understandings of space and place. Topics include segregation, immigration, civil rights, housing, crime, race and the environment, community development, and cultural.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 4393F. Geographies of the Holocaust and Genocide.
This course examines the Holocaust as a complex historical event and frames the Holocaust in the context of, and in comparison to, other genocides. The course is explicitly geographical in methods and subject matter, focusing on how the Holocaust and genocide are planned, implemented, and experienced differently in different places.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 4411. Advanced Cartographic Design.
This advanced course in cartography focuses on thematic map design. The objective is to produce a cartographic portfolio of well-designed, professional grade maps. Theoretical concepts and principles will be introduced using practical examples and written assignments. Prerequisite: GEO 3411 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 4412. Digital Remote Sensing.
Introduction to the digital image processing of satellite scenes including restoration, enhancement, classification, change detection, and mapping for environmental monitoring and inventorying. (WI) Prerequisites: GEO 3301 and GEO 3416 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

GEO 4417. Digital Terrain Modeling.
The course focuses on the mapping, transformation, mensuration, visualization, and applications of digital elevation models in Geography. Prerequisite: GEO 2426 and GEO 3416 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 4422. Web Mapping.
The course introduces students to modern interactive and dynamic mapping and GIS techniques that allow internet-based cartographic representations of temporal and non-temporal geospatial objects and phenomena. Prerequisite: GEO 3411 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 4424. GPS and GIS.
Students will learn to plan and conduct fieldwork using Global Positioning System (GPS) to differentially correct GPS data, and to build Geographic Information Systems (GIS) applications using GPS technology. The course is project-based and involves working with external client(s). Prerequisites: GEO 3411 or GEO 3426 either with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 4427. GIS Design and Implementation.
This course involves students working as a team on a substantive GIS project, which is designed and conducted by the class. Students will develop and demonstrate competence in GIS techniques at the professional level. Prerequisite: GEO 3426 with a grade of "C" or better and instructor approval.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 4430. Field Methods.
Methods and techniques for observing, measuring, recording, and reporting on geographic phenomena are investigated in this course. Students will learn the use of instruments and materials in the collection of data for mapping and field research in the local area. (WI) Prerequisites: GEO 2410 and GEO 3301 both with grades of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

GEO 5190. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for a total of six semester hours of credit. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5290. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for total of six semester hours of credit. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5300. Applied Research Design and Techniques.
Students will be introduced to appropriate research methods for applied geographers. Emphasis will be placed on the scientific method, productive library research, data collection and analysis, fieldwork, effective writing, and the nature of graphic representation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5301. Multivariate Quantitative Methods.
The use of multivariate descriptive and inferential statistics as applied to geographic data and problems, beginning with the general linear model and including topics such as multiple regression, principal components analysis, discriminant analysis, and clustering algorithms. Prerequisite: GEO 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5304. Qualitative Research Methods.
This course introduces the qualitative research paradigm, including research design, methods of data collection, and inductive analysis. Standards of scientific research that call for a deeper evaluation of complex social relationships are emphasized. The focus and application will be oriented towards human geography and nature-society relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5308. Regional Field Studies.
Study of geographic phenomena during field excursions to a particular site or region. Students will study the physical and/or cultural environments through off-campus field experience. Students will research, analyze, and report on major regional geographic features. Repeatable once for additional credit with a different site or region.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEO 5309. Geographical Analysis.
A survey of typical spatial problems of interest to geographers, with emphasis on current research and application being undertaken by the faculty in the Department of Geography. Topics include environmental geography, geographic education, land use and regional development, and cartographic representation and geographic information theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5312. Managing Urbanization.
Survey methods and procedures related to managing and preparing for urban growth. Selected topics for examination include transportation planning, housing, historic preservation, and environmental design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5313. Environmental Management.
An analysis of the major causes of environmental deterioration together with the basic strategies of dealing with these problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5314. Geographic Elements of Environmental Law.
A survey of environmental laws related to land, air, and water pollution. The nature of environmental problems will be studied as they relate to urbanization, industrialization, land development, noise, radiation and solid waste management, and the laws and guidelines that have been passed to alleviate such problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5315. Advanced Regional Studies.
Course focus is the region. Case studies will be selected from political and functional regions. Course content will include such information as demographics, economy, physical and social environments, transportation, and foreign trade. May be repeated for credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5316. Applied Physical Geography.
This course is a survey of methods and techniques used in the collection, analysis, and evaluation of information relating to problems within the physical environment. Emphasis will be on problems characteristic of particular geographic locations or specific environmental settings. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5317. Seminar in Applied Human Geography.
A focus on the methods and techniques used in the collection, analysis, and evaluation of information relating to problems within the human geographical environment. Emphasis will be on problems pertaining to particular geographic locations or special environmental settings. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5318. Environment Problems of the U.S.-Mexico Border.
This course serves as an in-depth introduction to the physical, social, and environmental landscapes of the region of the U.S.-Mexico Border. The course applies an interdisciplinary perspective to geographic understanding of the environmental and health-related issues experienced by residents of the borderlands. Special attention is given to management and planning solutions to the region's problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5319. Seminar in Nature and Heritage Tourism.
This seminar focuses on the special geographic issues of nature and heritage tourism. Particular emphasis is placed on sites and activities, costs and benefits, commoditization and authenticity, resource protection, and substantive learning content of nature and heritage tourism activities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5322. Interpretive Environmental Geography.
Students learn to use geographic theories and concepts to provide holistic and thematic interpretation of environmental information, as specified by interpretive principles. Students also learn advanced use of traditional and digital presentation techniques and research methods, which include audience assessment and program evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5323. Location Analysis.
Factors of importance in the decision-making process of locating both public and private sector facilities. Attention will be paid to the location of manufacturing activities, commercial enterprises, and a variety of social service facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5326. Parks and Protected Places.
This course serves as an in-depth introduction to the philosophy, establishment, and operation of public parks, wildlife refuges, protected areas, non-governmental preserves and historic sites. Students will be introduced to the scientific and policy rationale for the creation of such areas as well as methods of classification and acquisition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5329. Historical Geography of the Environment.
This course will introduce students to ideas, concepts, and literature in historical geography of the environment. It will explore methods used to document past environments and examine environmental changes, and it will analyze the distinctions between historical geography and related fields of study.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5330. Geography of Hazards.
This course focuses on understanding and advancing scholarship in hazards research – the threats to life, health, and welfare caused by natural, technological, and/or social processes, and disasters. Special emphasis is placed on understanding the complexities of the assessment and management of risks, hazards, and disasters at multiple geographic scales.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5332. Environmental Geography of the Coastal Zone.
Investigation of the physical geographic factors associated with the coastal zone and the role of human activities in problems and opportunities characteristic of this environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5334. Applied Water Resources.
Application of techniques employed in water management including flood hazards, water supply assessment, and water management strategies. Students will apply principles to specific watersheds and water problems including the analysis of various physical, land use, and legal parameters.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5335. Directed Research.
A course designed to allow the student to pursue a topic of applied geographic research under the direct supervision of a professor. Generally, the topic will be something that is not customarily dealt with in an organized class. Topics should be selected that involve library research and field investigation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5336. Transportation Systems.
This course introduces key concepts and methods of transportation geography and transportation planning. Topics include, among others, the spatial structure of transportation systems, transportation economics, and logistics. Various methods, techniques, and technologies for transportation analysis, particularly Geographic Information Systems (GIS), will be explored and applied as part of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5339. The Geography of Land Management.
This course explores U.S. land management philosophies, techniques, and development approaches. Major topics include land ethics/philosophies, U.S. traditions in cadastral geography, urban sprawl and green development, land conservation techniques, the role of local/state/federal regulations in land management, and the human environmental impacts of land development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5340. Active Learning in Geography.
The course focuses on instructional strategies that will allow teachers to promote active learning in geography. Emphasis will be on how active learning can help students reach geography content and skills standards.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5341. Contemporary Issues in Geographic Education.
This course examines current approaches to teaching geography in American education. Specific attention will be given to new classroom materials, curriculum reform efforts, and research developments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5342. Seminar: Theory and Methods of Geographic Education.
A critical analysis of previous and current literature concerning problems in pedagogy, philosophy, teaming theory, research methods, teaching methodologies, and techniques of geographic education. A research paper will be required of each student on a topic related to the course content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5343. Technology in Geographic Education.
The course focuses on the applications and implications of technology in geographic education, particularly its role as an instructional tool to promote inquiry-based learning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5344. Seminar in Geographic Curriculum.
A survey and discussion of major curricula in geographic education. Geography will be viewed as a school subject that is part of the social studies, as an element of interdisciplinary studies, and as a stand-alone subject.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5349. Population Geography.
An in-depth study of the spatial distribution and movement of human populations. Course will emphasize current issues and analytical techniques. Topics will include the impact of population growth, spatial diffusion processes, migration trends and theories, explanation of regional demographic differences, and techniques such as population projections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5350. Practicum in Teaching Geography.
This course introduces key concepts in teaching geography and provides regular training and planned periodic evaluations of instructional responsibilities. Course topics include instructional and assessment strategies in geography and classroom management. This course is required for first-year instructional assistants in the Geography Department. Students do not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

GEO 5351. Regional Waste Management.
The principles of effective solid waste planning and management will be examined as they relate to such activities as waste generation, storage and collection, transfer and transportation, processing and volume reduction, resource conservation and recovery, the disposal of wastes, and the handling of special wastes, particularly those of a toxic and hazardous nature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5352. Air Quality Management.
A geographic assessment of air quality management in the United States. Spatial distribution of the types, sources, and effects of air pollutants. Meteorology and physics of air pollution dispersion. Legislative and regulatory approaches to pollution management. National, state, regional, and local policy development procedures. Geographic methods for air pollution management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5353. Emergency Management.
This course provides an overview of the most important aspects of emergency management at all geographic scales, with emphasis on local, regional, and federal levels. Best practices and proper methodologies are emphasized as well as ways that students can develop the skills and capabilities for a career in this field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5360. Seminar in Planning Problems.
A critical and in-depth examination of several problem areas currently facing the planner.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5370. Seminar in Applied Physical Geography.
Critical analysis of theories, models, and techniques of physical geographic research with the focus on application to real-world problems. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5380. Internship.
Application of techniques of applied geography in an actual on-thejob setting. Internships will be arranged and supervised by the Internship Director. May be repeated once for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5390. Independent Study.
Individual study under direct supervision of a professor. May involve geographic field trips. GEO 5190, GEO 5290, and GEO 5390 may be taken for a total of six semester hours of credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5391. Foundation Studies in Geography.
Students develop knowledge and skills required for success in graduate-level coursework in Geography. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

GEO 5393B. Biogeography in Mountain Environments.
This course examines how plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms and geological factors affect spatial distribution of animals and plants; all within the environmental limitation and conditions of mountains. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393C. Exploring Spatial Databases.
This course covers principles of spatial ontologies and spatial semantics to facilitate appropriate database conceptualization, design and implementation. Course assignments and projects will provide in-depth experience with database query languages. Many DBMSs will be reviewed, but practical work will be completed with RDBMSs. Prerequisite: GEO 5418 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393D. Water Resource Planning.
This seminar presents case-studies related to water quality protection and mitigation and to the planning of water supply at the state and regional level from a policy practitioner's perspective. The objective of the course is to identify the components of the planning process and its outcomes, including water-use conservation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393E. Geomorphology in the Anthropocene.
This course will examine the ways in which humans interact with and affect geomorphological processes and landforms, and how humans directly act as geomorphological agents. The level at which human activities have transformed the surface of the Earth will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393F. Spatial Thinking in Education.
This course introduces the concept of spatial thinking and discusses how spatial thinking may be taught in the context of K-16 education. Students will examine various instructional strategies to facilitate spatial thinking in the classroom and design grade-level appropriate learning experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393G. Jobs, Careers, and Professional Development in Geography.
This course introduces graduate students to research-based strategies for career planning and professional development in geography. Career opportunities for geographers in business, government, nonprofit, and academic organizations are examined. The course also analyzes professional identities, applications of geography in society, professional ethics, lifelong learning, work-life balance, and professional networking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5393K. Advanced Web Cartography and Data Visualization.
This course provides advanced training in the design and development of interactive, web-based data visualization systems with emphasis on the modern cartographic process and the spatial applications of interactive data visualization principles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 5395. Problems in Applied Geography.
Designed to consider a selected topic relating to applied geography. Emphasis on the practical application of geographic tools, with individual or group participation in a specific project. Course topics may vary depending on student and faculty interests and may apply to any of the three graduate tracks: physical-environmental, land area development and management, or cartography. Repeatable for up to six hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in GEO 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5408. Web Mapping.
This course introduces students to modern interactive and dynamic mapping and GIS techniques that allow internet-based cartographic representations of temporal and non-temporal geospatial objects and phenomena. Prerequisite: GEO 3411 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5415. Geographic Applications of Remote Sensing.
Students will focus on Geographic applications of the principles and practices of digital image processing, classification, and modeling using satellite images.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5417. Advanced Cartographic Design.
This advanced course in cartography focuses on thematic map design. The objective is to produce a series of well-designed, professional grade maps (or an atlas) that students can use to build a cartographic portfolio. Theoretical concepts and principles will be introduced using practical examples and written assignments. Prerequisite: GEO 3411 with a grade of "D" or better or instructor approval.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5418. Geographic Information Systems I.
Course is concerned with the analysis and interpretation of maps stored in digital form. Students are introduced to concepts and practices involving computerized cartographic and geographic data input, storage and retrieval, data manipulation and analysis, graphic and tabular report generation, and cartographic modeling.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5419. Geographic Information Systems II.
This course aims to develop more advanced GIS concepts and application issues, further spatial data manipulation and analysis skills, and provide hands-on experience with GIS hardware and software programs. The emphasis will be on practical application of skills to real world issues. Prerequisite: GEO 5418 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5424. GPS and GIS.
Students will learn to plan and conduct fieldwork using Global Positioning System (GPS) to differentially correct GPS data, and to build Geographic Information Systems (GIS) applications using GPS technology. The course is project-based and involves working with external clients(s). Prerequisites: GEO 2426 with a grade of "D" or better or GEO 5418 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 5430. Field Methods.
Course will emphasize common field techniques necessary in the construction of accurate maps. Various kinds of data collection techniques will be presented that will facilitate geographic research. Prerequisite: GEO 3301 with a grade of "D" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5680. Internship.
Application of techniques of applied geography in an actual on-thejob setting. Internships will be arranged and supervised by the Internship Director.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7190. Independent Study.
Research in geography under the direction of a supervising professor. Repeatable once for additional credit with a different topic.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7199A. Dissertation.
Original research and writing in Geography is to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7199B. Dissertation.
Original research and writing in Geographic Education is to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7199C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7290. Independent Study.
This course is designed to provide a student with credit while conducting independent research in consultation with his or her research advisor. Repeatable once for additional credit with a different topic.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7299A. Dissertation.
Original research and writing in Geography to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7299B. Dissertation.
Original research and writing in Geographic Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7299C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

GEO 7300. Advanced Geographic Research Design.
The purpose of this course is to develop an appreciation for the process of research as practiced by contemporary professional geographers. Topics covered include formulating research problems, reviewing and critiquing published literature, developing and executing a research design, and completing a research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7301. Advanced Quantitative Methods in Geography.
How to mathematically and statistically model geographic problems is the focus of this course. The application of multivariate statistical techniques to geographic problems and the problems that spatial data create in the application of statistical and other quantitative techniques are central issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7302. Nature and Philosophy of Geography.
This course is a critical analysis of the historical development of geographic thought: its roots, its present status, and future directions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7304. Qualitative Research Methods.
This course introduces the qualitative research paradigm, including research design, methods of data collection, and inductive analysis. Standards of scientific research that call for a deeper evaluation of complex social relationships are emphasized. The focus and application will be oriented towards human geography and nature-society relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7305. Historical Geography of the American Environment.
This course examines the spatial evolution of environmental problems in the United States using the techniques and analytical perspectives of historical geography. Special emphasis is given to the emergence of environmental problems in the context of urbanization and industrialism. The course will expose students to the most significant work by geographers in this area to date, and to the historical development of environmental geographic analysis in the U.S.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7308. Advanced Regional Field Studies.
Advanced study of geographic phenomena during field excursions to a particular site or region. Course includes preparation of site inventory, site guides, and on-site presentations. Repeatable once for additional credit with a different site or region.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7313. Environmental Systems.
Theories and concepts involved in environmental systems will be examined. Tools and research issues relevant to their analysis will also be explored. Basic principles, as well as specific research questions and techniques, will be proposed to give students a foundation for analysis of current issues involving environmental systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7314. Geography of Resource Development.
This course will provide a detailed and in-depth analysis of theories, policies, and practices regarding resource development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7316. Remote Sensing and the Environment.
A detailed examination and implementation of sophisticated approaches for processing satellite digital images with emphasis on environmental applications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7318. GIS and Environmental Geography.
This course examines the nature of environmental problems and explores the potential of GIS for environmental modeling and management. The conceptual basis for using GIS as well as the framing of environmental research problems will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7330. Geography of Hazards.
This seminar examines research on issues related to the geography of hazards. Topics will be determined by instructor and student interests. Special emphasis will be placed on conceptual, theoretical, and methodological approaches to advance the study of spatial aspects of hazards such as risk, vulnerability, resilience, relief, recovery, and change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7334. Geographic Aspects of Water.
This seminar is a critical analysis of developmental and current literature that define water's critical role in determining the physical and cultural characteristics of the earth. Principal focus will be placed on water's role on land use and as a critical resource.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7341. Urban Environment.
Students in this course will critically engage with scholarly and governmental research relating to urban environments, urban environmentalism, and urban environmental management. Emphasis is placed on students developing and executing a unique, topically relevant research project aimed at improving our understanding of the way in which human-environment interaction influences, and is influenced by, urban geography and the urban experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7342. Theories and Methods in Geographic Education.
This seminar is a critical analysis of previous and current literature concerning problems in pedagogy, philosophy, learning theory, research methods, teaching methodologies, and techniques of geographic education. A research paper will be required of each student on a topic related to the course content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7344. Seminar in Geographic Curriculum.
The seminar will be a survey and discussion of major curricula in geographic education. Geography will be viewed as a school subject that is part of the social studies, as an element of interdisciplinary studies, and as a stand alone subject.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7346. Standards and Assessment in Geography.
An introduction to assessment procedures in geography education is central to the course. Analysis of national standards in geography and how they have affected geographic learning in grades K-12 will be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7348. Ethnic Geography.
This course will engage student in the in-depth critical analysis of the theories and methods of ethnic geography. The students will conduct careful research on a topic in ethnic geography. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GEO 7349. Population Geography.
An in-depth study of the growth, movement, and spatial distribution of human populations is the central theme. Students will read and discuss professional articles that stress both theory and analytical techniques. Topics will include population growth and the environment, rural and small town depopulation, spatial diffusion processes, migration trends and theories, urban population growth, and techniques such as multivariate analysis and population projections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7350. Practicum in Teaching Geography.
This course introduces key concepts in teaching geography and provides regular training and planned periodic evaluations of instructional responsibilities. Course topics include instructional and assessment strategies in geography and classroom management. This course is required for first-year instructional assistants in the Geography Department. Students do not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

GEO 7361. Advanced Geographic Information Systems.
This course provides exposure to advanced topics in GIS, particularly to quantitative methods and techniques for developing and interpreting models of natural and anthropogenic phenomena over the geographical space.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7362. Geographic Visualization.
This course focuses on the interdisciplinary field of Geographic Visualization. Students will review visualization research in computer graphics, human computer interaction, GIScience, and cartography and relate the research approaches to useful and usable geographic visualizations. Prerequisite: GEO 3411 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7364. Geocomputation.
Geocomputation reviews and analyzes concepts of computational modeling in Geography. The course will include modeling theory and advanced topics such as parallel processing, neural networks, cellular automata, scientific visualization, and fuzzy modeling. Students will practice model development, specifically spatially explicit simulation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7365. Theoretical Cartography.
This course focuses on theoretical developments in cartography, and in particular looks at the role of maps and other graphic devices as tools for the discovery, analysis, and communication of geographical knowledge. Prerequisite: GEO 3411 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7366. Advanced Topics in Remote Sensing.
The course focuses on advanced topics including the theoretical basis, mathematical foundations, and current research frontiers in remote sensing. Prerequisite: GEO 5415 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7370. Advanced Seminar in Environmental Geography.
This research seminar focuses on the methods, approaches, issues, and concepts of major themes in environmental geography. Special emphasis will be placed on theoretical and conceptual understandings of how humans interact with the environment from a geographical perspective. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7371. Advanced Seminar in Geographic Education.
This research seminar analyzes literature and research into recent trends in geographic education. Emphasis will be on new developments in curriculum, content, and teaching methodologies. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7372. Seminar in Geographic Information Science.
This course deals with advanced and current research issues in Geographic Information Science. Based on this objective, the course aims at educating doctoral students to conduct research in Geographic Information Science as well as develop innovative applications of Geographic Information Science. May be repeated for credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7390. Independent Study.
Research in geography under the direction of a supervising professor. Repeatable once for additional credit with a different topic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GEO 7391. Foundation Studies in Geography.
Students develop knowledge and skills required for success in graduate-level coursework in Geography. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

GEO 7393B. Biogeography in Mountain Environments.
This course examines how plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms and geological factors affect spatial distribution of animals and plants; all within the environmental limitation and conditions of mountains. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

GEO 7393C. Managing Urbanization.
This course examines survey methods and procedures related to managing and preparing for urban growth. Selected topics for examination include transportation planning, housing, historic preservation, and environmental design.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393D. International Migration.
This course provides a survey of geographic and social science research conducted across various topics of international migration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393E. Geography of Land Mangagement.
This course explores U.S. land management philosophies, techniques, and development approaches. Major topics include land ethics/philosophies, U.S. traditions in cadastral geography, urban sprawl and green development, land conservation techniques, the role of local/state/federal regulation in land management, and the human-environment impacts of land development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393F. Gender and Development.
This course is a survey of geographic and social science research conducted across various topics of gender studies and international development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393G. Political Geography.
This course is a survey of geographic and social science research conducted across various topics of political geography.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393I. Contemporary Topics in Geography Education.
This course will be a survey of recent initiatives in geography education. This course will focus on areas such as research, assessment, and the development and use of instructional materials in relation to the National Science Foundation funded "Road Map for 21st Century Geography Education".
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393J. Soil and Society.
This course explores the importance of soil resources for environmental and socioeconomic sustainability. Soil science will be introduced, but the majority of the course will focus on soil's value to societies. Specific topics that will be explored include soil geography, historical abuses of soil resources, and current conservation efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393K. Biogeomorphology.
This course will examine the ways in which plants and animals interact with and affect geomorphological processes and landforms, and how geomorphological processes, landforms, and geological factors affect spatial distributions of animals and plants. The role of humans in affecting these interrelationships will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393L. Lidar.
This course is an introduction to Light Detection and Ranging (lidar) systems for mapping and analysis. Students will learn to successfully apply knowledge of lidar sensors and technology for a variety of geographic information science applications. Students must have prior knowledge and experience with GIS analysis and mapping tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393M. Global Climate Change.
This course examines various implications of global climate change, including impacts on science, politics, and society. Emphasis will be placed on anthropogenic influences across the 20th and 21st centuries, contemporary mitigation options, and future adaptation strategies amidst a complex and dynamic climate system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393N. Rivers and Society.
This course examines river system processes and how they are influenced by human activities. We will discuss the principles and practices of large-scale river basin management with an emphasis on the different perspectives and motivations driving different management goals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393O. Exploring Spatial Databases.
This course covers principles of spatial ontologies and spatial semantics to facilitate appropriate database conceptualization, design and implementation. Course assignments and projects will provide in-depth experience with database query languages. Many DBMSs will be reviewed, but practical work will be completed with RDBMSs. Prerequisite: GEO 5418 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393P. Advanced Seminar in Human Geography.
This course will engage students in systematic critical analysis of the theories and methods of human geography. The students will conduct careful research on a topic in human geography.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393Q. Geomorphology in the Anthropocene.
This course will examine the ways in which humans interact with and affect geomorphological processes and landforms, and how humans directly act as geomorphological agents. The level at which human activities have transformed the surface of the Earth will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7393R. Social Theory, Space and Geography.
This course examines key texts and concepts in social and political theory, focusing on theories of space and their mobilization in geographical research. Space and geography are approached with respect to several topics, including structuralism and agency; feminist theory and embodiment; assemblage thinking and actor-network theory; governance; and scale.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEO 7399A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7399B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7399C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7415. Geographic Applications of Remote Sensing.
Students will focus on geographic applications of the principles and practices of digital image processing, classification, and modeling using satellite images.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7417. Geographic Information Systems.
Course is concerned with the analysis of interpretation of maps stored in digital form. Students are introduced to the concepts involving computerized cartographic and geographic data input, storage and retrieval, data manipulation and analysis, graphic and tabular report generation, and cartographic modeling.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7418. Technical Foundations and Methods in Geographic Information Science.
This course addresses technical foundations and methods in management, analysis, visualization, and dissemination of geographically-referenced data and information in digital form. Topics include data structures, algorithms, and a variety of methods used in GIS and spatial data analysis.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7430. Field Methods.
Methods and techniques for observing, measuring, recording, and reporting on geographic phenomena are investigated in this course. Students will learn the use of instruments and materials in the collection of data for mapping and field research in the local area. Prerequisites: GEO 2410 and GEO 3301 both with grades of "D" or better.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7447. Spatial Graphics in Geographic Education.
This course examines traditional and innovative geoinformation and geovisualization technologies and their relationship to spatial thinking and the teaching and learning of geography. The course reviews academic literature, research methods, and teaching methodologies related to spatial graphics in geographic education. The lab portion provides geovisualization design skills for geographic education.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEO 7599A. Dissertation.
Original research and writing in Geography to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7599B. Dissertation.
Original research and writing in Geographic Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7599C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7699C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999A. Dissertation.
Original research and writing in Geography, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999B. Dissertation.
Original research and writing in Geographic Education, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

GEO 7999C. Dissertation.
Original research and writing in Geographic Information Science, to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each semester (including summer) for at least three dissertation hours.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Geology (GEOL)

GEOL 1410. Physical Geology.
The study of materials making up the Earth, the processes that act upon them, and the results of these processes; the development of tools for the interpretation of earth's history and structure, and the major geologic concepts.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: GEOL 1403

GEOL 1420. Historical Geology.
A continuation of physical geology leading to consideration of the geologic history of the Earth (with special emphasis on North America), the evolution of life, the continents through geologic time and the principles and procedures used in the interpretation of earth history. Prerequisite: GEOL 1410 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: GEOL 1404

GEOL 3410. Sedimentation and Stratigraphy.
This course will allow students to study the principles of weathering, transportation, deposition, and lithification of sediments. Primary structures and textures of sediments are used to determine environments of deposition. Students will identify the recognition and classification of strata into stratigraphic units. Prerequisite: GEOL 3450 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEOL 3430. Structural Geology.
This course examines the description, classification, and origin of Earth structures and the stresses involved in their formation. Students will explore solutions of structural geology problems using analytical geometry, geologic maps, contouring of data, and preparation of cross sections. Prerequisites: GEOL 1420 and [MATH 1317 or MATH 2321 or MATH 2417] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEOL 3440. Paleontology and Biostratigraphy.
Identification of ancient invertebrate faunas and their applications in reconstruction of paleoenvironments, paleogeography, and the means by which "time" correlations can be effected in sedimentary strata. Field intensive course, 1 full day in the field per week. Course will be offered alternating summers. Prerequisites: GEOL 1420 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

GEOL 3450. Earth Materials.
This course provides an introduction to crystal chemistry, physical properties, and identification of major rock-forming minerals, sedimentary, igneous, and metamorphic rocks. It brings together wide-ranging fundamental and key concepts in mineralogy and petrology to understand rocks and minerals and how they relate to the broader Earth, materials and environmental sciences. Prerequisite: GEOL 1420 and [MATH 1317 or MATH 2321 or MATH 2417] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

GEOL 4121. Directed Study.
Independent study of a particular subject area in geology. Specific topic to be discussed and agreed upon prior to registration. May be repeated once with different emphasis and professor for additional credit. Prerequisite: GEOL 1420 with a grade of “C” or better and instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEOL 4320. Topics in Field Geology.
This course provides on-site directed investigations of geology in locations remote from campus. Prerequisite: GEOL 1420 with a grade of “C” or better.
3 Credit Hours. 1 Lecture Contact Hour. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

GEOL 4321. Directed Study.
This course is designed to provide a student with an opportunity to conduct independent research for credit in consultation with his or her Geology instructors. The course may be repeated once with a different content or instructor. Prerequisite: GEOL 1420 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GEOL 4330A. Introduction to Petroleum Geology.
This course discusses the origin and distribution of conventional and unconventional petroleum resources, source rocks, types of traps and seals, reservoir rock properties, exploration methods (seismic data analysis and interpretation, formation evaluation, subsurface mapping), reservoir characterization and modeling, reserves calculations. Prerequisite: GEOL 1420 with a grade of "C" or better. Corequisite: GEOL 4121 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEOL 4330B. Planetary Geology.
This course is a survey of the application of geologic principles to the rocky planets and satellites in the solar system. Prerequisite: GEOL 1420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEOL 4330C. Survey of Economic Mineral Deposits.
This is a survey of the geology of economic resource derived from the Earth including metals, nonmetals, energy related resources and ground water. Topics include genesis of economic deposits, methods of prospecting, methods of extraction, refining, and environmental impact. Prerequisite: GEOL 3450 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEOL 4330D. Tectonics and Geology of the USA.
Study of the geology of the USA from the tectonic point of view. The different tectonic processes including continental extension and formation of an ocean, convergence and mountain building, volcanism and seismic activity will be studied and illustrated using mostly examples based on the geology of the USA. Prerequisite: GEOL 1420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GEOL 4421. Hydrogeology.
This course will provide the student with an introduction to the science of hydrogeology, a conceptual and quantitative understanding of groundwater from a geological/mathematical/geochemical perspective, and experience with hydrogeology applications. Prerequisites: GEOL 1420 and [MATH 1317 or MATH 2321 or MATH 2417] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

GEOL 5421. Hydrogeology.
This course will provide the student with an introduction to the science of hydrogeology, a basic conceptual understanding of groundwater from a geological/mathematical/geochemical perspective, and experience with hydrogeology applications.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

German (GER)

GER 1410. Beginning German I.
Introduction to listening, speaking, reading, and writing skills within a German cultural framework. Students who take GER 1410 toward degree requirements must also complete GER 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: GERM 1411

GER 1420. Beginning German II.
Continued practice in listening, speaking, reading, and writing skills within a German cultural framework. Students who take GER 1410 toward degree requirements must also complete GER 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: GERM 1412

GER 2310. Intermediate German I.
Continued development and review of all language skills within a German cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: GERM 2311

GER 2320. Intermediate German II.
More advanced practice in all language skills with greater emphasis on reading within a German cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: GERM 2312

GER 3304A. German Cinema.
This course explores German film, history, and theory. Emphasis is placed on the interrelation of German and American uses of the medium. The course includes classic style (1910s), German Expressionism (1920s), cinema of Nazi Propaganda (1940s), the period of reconstruction (1950s), and the German New, and New New Waves.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

GER 3304B. German Colonialism, Orientalism, and Exoticism in Film and Literature.
This course surveys German colonial narratives and theories from the 19th and the mid-20th century. The course examines how critics today interpret the political and aesthetic tropes around which texts are organized, focusing on how these “colonial fantasies” emphasized national differences between German and other European powers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

GER 3304C. The Many Faces of Weimar Cinema: German Expressionist Films.
The course provides an overview of the changing roles of German cinema in the early 20th century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GER 3304D. German Translation.
In this course, students approach translation as a method of improving their reading ability in German, not only through language, but also in terms of cultural competence in dealing with texts from the German-speaking world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

GER 3305. German on the Stage.
An introduction to upper division courses in German designed to strengthen reading skills and oral command of the language through the study and performance of short German-language plays from the classical to the contemporary period. May be repeated for credit twice with different topics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GER 3310. German Phonetics.
This course introduces students to German phonetics, primarily German pronunciation, intonation, and stress. The course is taught in German and can be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

GER 3320. Improving German Communication Skills.
Extensive practice in speaking and writing German and in mastering advanced grammatical structures in speaking and writing. Prerequisite: GER 2320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GER 3341. Review of German Grammar.
Students will review the foundations of German grammar and expand their skills at the intermediate/advanced level. A strong foundation in German grammar is essential for mastering the language and communicating effectively in it.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

GER 3370. German Civilization.
An examination of German culture and life designed to provide a background for a better understanding of Germany and the Germans, encompassing historical survey of the development of German culture, the forces that shaped modern Germany, and a survey of contemporary German life and culture. Collateral readings; oral and written reports in German. May be repeated once for additional credit. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

GER 3380. Business German in Global Economy.
An introduction to the individual economies of each German state, the language and standards of the German business world, the tourist industry of Germany, and Germany's role in the European Community. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

GER 4310. Masterpieces of German Literature.
An examination of major literary works representing the major genres and periods of German literature. The course may be repeated once with different content for additional credit. (MULT). Prerequisite: one GER 3000-level course or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

GER 4340. Advanced Conversation, Composition, and Stylistics.
A course designed to strengthen total command of the language. Collateral readings; oral and written reports in German. May be repeated once for additional credit. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

GER 4390. Studies in German Culture, Language, or Literature.
A course designed to offer students an opportunity to pursue independent studies in special areas of interest beyond those of other catalog courses. The course is generally available only to graduating seniors who have completed at least two advanced courses or graduate students with special needs. Applications must be submitted prior to the registration period each semester. May be repeated once for additional credit. (MULT). Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

Health Information Management (HIM)

HIM 2345. The Language of Healthcare: Spanish.
An introduction of the practical language used in clinical settings to facilitate interaction with Spanish-speaking patients and healthcare professionals. Special emphasis is placed on the use of meaningful medical vocabulary for various healthcare professionals who work with Spanish-speaking patients and their families. Prerequisite: Two semesters of Spanish both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 2360. Medical Terminology.
Recognizing and understanding the vocabulary of the health care professions. Emphasis on medical prefixes, suffixes, and word roots as used in oral and written communications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3301. Principles of Health Information Management.
Exploration of the expanding role of the HIM professional. Emphasis will be on the organizational structure and delivery of healthcare in hospitals and other healthcare agencies and the associated roles of HIM professionals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3310. Fundamentals of Health Information Systems.
An introduction to the information technology aspects of health information management to include hardware components, systems architecture, operating systems, languages, software applications, tools, and related topics and concepts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3311. Health Informatics, Analytics and Data Use.
This course provides an overview and introduction to healthcare data management. Topics in the course will include the system development life cycle, project management, information infrastructure and data analytics. Implementing healthcare information systems, decision making, and consumer informatics will also be examined.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3350. Legal Aspects of HIM.
A study of the legal issues of Health Information Management with focus on statutory and regulatory requirements, case law and practical applications. Special legal problems associated with access to patient information, disposition of records, confidentiality and privacy, reporting requirements and compliance with current state and federal legislation are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3364. Coding and Classification Systems.
This course provides an introduction to ICD, CPT and other classifications and nomenclatures. Emphasis will be placed on the assignment of diagnosis and procedure codes. Management and use of encoding systems is examined. Prerequisite: Instructor approval.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

HIM 3367. Disease and Medical Science.
This course provides an introduction to the general disease process. Stress is placed upon the occurrence of disease, the signs and symptoms of disease, the test values and findings of disease, and the therapeutic treatment of disease.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3380. Quality Improvement Regulations & Procedures for HIM.
Overview of regulatory agency requirements for quality improvement, utilization management and risk management. Methods for integrating these procedures for credentialing and peer review are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3390. Principles of Management in HIM.
This course provides a study of the principles of management in healthcare and related organizations. The course provides the opportunity to apply the fundamentals of management including ethical decision making and human resources in the expanded role of the HIM Professional.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 3463. Introduction and Technical Aspects of Health Information Management.
An introduction into principles and procedures used in health records organization, maintenance and retention, numbering and filing systems and procedures, forms control and design, and imaging. Emphasis placed on functions and duties of the HIM administrator, and relationships of the medical record to the health care delivery system.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 4101. Problems in Health Information Management.
Comprehensive study of selected problems related to professional practice issues and changes in the health information management field. Emphasis will be on problem solving and application of management skills. May be repeated with permission of department chair.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIM 4320. Principles of Information Governance.
This course applies the principles of Information Governance to guide the HIM professional's evolving role in the transition from paper to electronic health records and managing the increasing volume of electronic health data. Topics include data architecture, analytics, integrity, quality and decision support; enterprise content management; and consumer informatics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIM 4331. Health Information Management Research and Data Analysis.
An introduction to research methods and experimental inquiry to acquaint the student with skills to critique and conduct studies in the health information management domains. The course will also provide the foundation for compiling, analyzing, and displaying statistics related to the delivery of healthcare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 4363. Comparative Record Systems.
Theory and procedures for the maintenance and regulation of patient health information records in non-hospital medical care facilities to include long term care, ambulatory care, psychiatric care, rehabilitation and prison record keeping systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 4364. Coding and Compliance for HIM.
This course provides a continued study of coding and classification systems including the role of mapping among clinical terminologies. Compliance activities and methods will be covered for HIM topics to include code audits, fraud and abuse, and clinical documentation improvement.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

HIM 4370. Finance and Reimbursement Methodologies for HIM.
Course will address the reimbursement cycle from patient registration to claims billing with an emphasis on federal regulations and the role of HIM regarding payment systems. Topics will include accounting principles, budget processes, cost/benefit analysis, healthcare finance, compliance strategies, charge-master and casemix management, and payment systems and plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 4383. Seminar in Health Information Management.
Problem-solving course designed to assimilate actual internship encounters and theory. Emphasis is on integration of knowledge and making transition to the applications required to function as a health information manager.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIM 4385. Health Information Management Practicum.
Assignments made to promote uniformity and competency levels required of entry-level health information management professionals with practical application of administrative, management, and problem-solving skills required to complete projects and portfolio material. (WI).
3 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIM 4388. Practicum.
Faculty-led administrative training for the associate degree health information progression student. Emphasis is placed on analysis of HIM personnel functions, interdepartmental relations, use of health information technology, and committee assignments. Full-time participation of the student is required.
3 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Lab Required|Time Conflicts Permitted|Writing Intensive
Grade Mode: Credit/No Credit

HIM 4389. Professional Practice Experience.
Supervised management experience and training in a healthcare or related setting. Student will participate in administrative, management, and problem-solving activities in the institutional setting. Full-time participation is required. Option for health information associate degree and post-baccalaureate students. (WI).
3 Credit Hours. 1 Lecture Contact Hour. 40 Lab Contact Hours.
Course Attribute(s): Lab Required|Time Conflicts Permitted|Writing Intensive
Grade Mode: Credit/No Credit

HIM 4390. Contemporary Leadership Principles for HIM.
An analysis of the expanded role of the Health Information Management professional in the healthcare environment and application of the principles involved. Topics include strategic planning and forecasting, marketing, entrepreneurialism, leadership, motivation, consensus building, workforce diversity, change management, work redesign/ reengineering, and project management. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIM 4393. Project Management for Health Information Management.
This course provides pragmatic guidance in the management of HIM projects by analyzing critical success factors and skills required to organize, plan, monitor, and control projects in healthcare settings. Cost and schedule estimation techniques are presented together with proposal writing, negotiation, communication, risk management, HIM technology assessment, and quality measurement. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIM 4401. Organizational Management of Health Information Technology.
This course studies the integrated use of health information technology throughout the healthcare organization. Students will evaluate how technology impacts the overall hospital operations from both a clinical and an administrative perspective, and will use planning and assessment tools to simulate health information technology system implementation.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 4501. Professional Practice Experience.
Supervised management experience and training in a healthcare or related setting. Student will participate in administrative, management, and problem-solving activities in the institutional setting. Full-time participation is required in addition to scheduled campus visits. (WI).
5 Credit Hours. 1 Lecture Contact Hour. 40 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Credit/No Credit

HIM 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

HIM 5300. Advanced Independent Study in Health Information Management.
This course provides an in-depth independent study of a singular problem or related problem in the rapidly changing field of health information management. Special emphasis will be placed on the problem's current relevance and the value to the participant. May be repeated for credit with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5301. The Enterprise Electronic Health Record.
This course provides an in-depth analysis of the concept of an organization-wide electronic health record system. A major focus will be on the analysis of how this technology impacts overall hospital operations from both a clinical and administrative perspective. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5311. Informatics, Analytics and Data Use.
This course provides an introduction to the fundamental concepts of data analytics and decision support. A major focus will be quality-driven data-based decision making systems for business intelligence, consumer informatics and health information exchanges. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5320. Research Methods for HIM.
This course provides an introduction to research study design, methods, descriptive and inferential statisitcs need to conduct research studies in the Health Information Management domains. The foundation for compiling, analyzing, and displaying healthcare statistics needed to report and monitor healthcare statistics in the workplace will also be covered. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5340. Healthcare Informatics.
This course provides an overview and introduction to healthcare informatics. Topics in the course will include the information infrastructure, data needs, implementing healthcare information systems, decision making, privacy and security, consumer informatics and emerging technologies. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5341. Healthcare Terminologies and Vocabularies.
This course will provide an overview of healthcare terminologies, code sets and classification schemes, and associated standards. Mapping and the relationship of SNOMED to an administrative classification system such as ICD-9-CM will be explored. The purpose and differences encountered in mapping a terminology to a classification will be examined. Department approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5342. Information Systems and Technology.
This course provides an introduction to the fundamental concepts of health information technologies and information management strategic planning. A major focus will be design and selection of data-driven systems that offer strategic advantages, facilitate compliance and provide a return on investment. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5351. Data Security, Privacy, and Confidentiality.
This course provides a detailed assessment of how state laws and federal regulations influence the development and management of policies and technology to protect date security, privacy, and confidentiality of protected health information. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5363. Health Data Content Structure and Standards.
This course provides an in-depth study of the components and use of health records. Interoperability and healthcare informatics standards for collecting, maintaining and transferring healthcare data will be examined. The role of the HIM professional in developing an effective information governance program will be analyzed. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5370. Healthcare Finance and Revenue Cycle Management.
This course will focus on healthcare financial and revenue cycle/reimbursement management issues that impact the practice of Health Information Management. Specific topics covered include financial management, coding compliance, case mix index, revenue cycle, and reimbursement methods. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5380. Quality Improvement in Health Care.
This course provides an in-depth study on quality improvement methodology to include data retrieval, display, outcomes analysis and the aspect of risk management for various sectors of healthcare. Mechanisms for promoting facility-wide participation in achieving optimum patient care as delineated in accreditation and government standards will be analyzed. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5382. Compliance for HIM Topics.
Compliance activities and methods will be covered for HIM topics to include HIPAA, fraud and abuse, coding auditing, severity of illness, data analytics, fraud surveillance, and clinical documentation improvement. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5390. Contemporary Leadership Principles for HIM..
This course explores the expanded role of the Health Information Management professional in the healthcare environment. Topics include public policy development, executive decision making, strategic business alliances, change management, enterprise wide strategic planning, stakeholder engagement, training and development, information governance, cultural diversity and ethics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIM 5397. HIM Directed Practicum.
This course provides a one semester, part-time practicum experience in a healthcare or related organization. Included is an orientation to the organization and completion of a project suitable for implementation at the site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIM 5399A. Thesis.
This course represents a student's initial thesis enrollment to initiate the thesis project. No thesis credit is awarded until completion of HIM 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIM 5399B. Thesis.
This course is a student's continued enrollment in the thesis. The student continues to enroll in this course until the thesis is submitted for binding. This course is repeatable for credit until the thesis is completed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Health Professions (HP)

HP 3302. Biostatistics.
The course introduces major statistical concepts and procedures as applied to clinical science students with an emphasis on inferential statistics. Topics include: descriptive statistics, hypothesis testing, comparison statistics, relationship statistics, association statistics, and beginning epidemiological ratios. Students are introduced to major statistical packages. Prerequisite: MATH 1315 or MATH 1319 either with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

HP 3325. Healthcare Statistics.
The course introduces major statistical concepts and procedures as applied to healthcare administration students with an emphasis on descriptive statistics. Topics include: healthcare statistical terminology, descriptive statistics, hypothesis testing, comparison statistics, relationship statistics, and association statistics. Prerequisite: MATH 1315 or MATH 1319 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HP 5300. Teaching in the Health Professions.
This course is an introduction to curriculum, instruction, and assessment methods in teaching and covers topics related to instruction in lecture, laboratories, and clinical settings. This course is required for first year teaching assistants and graduate instructional assistants. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

HP 7300. Teaching in the Health Professions.
This course is an introduction to curriculum, instruction, and assessment methods in teaching and covers topics related to instruction in lecture, laboratories, and clinical settings. This course is required for first year teaching assistants and graduate instructional assistants. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

Health Sciences (HS)

HS 3374. Principles of Accounting for Healthcare Managers.
This course provides an introduction to accounting useful in healthcare facilities and agencies, and demonstrates the application of accounting principles and techniques in the healthcare field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HS 4300. International Healthcare and Wellness.
This course provides an introduction to the culture of a foreign country, with an emphasis on wellness, the health care environment, and language in the healthcare setting. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HS 4327. Legal Concepts of Healthcare.
This course provides an overview of legal, regulatory, and ethical issues in healthcare. Topics include patient consent, privacy, confidentiality, torts, contract law, corporate liability, employment, labor, malpractice, antitrust, fraud and abuse, and key federal regulations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HS 4379. Introduction to Financial Management for Health Sciences.
This course is designed to prepare health professionals for managerial positions in healthcare organizations by providing sufficient knowledge of industry financial matters so they can provide input to the organization's chief executive officer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HS 5200. International Healthcare and Wellness.
This course provides an introduction to the culture of a foreign country, with an emphasis on wellness, the healthcare environment, and language in the healthcare setting. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HS 5315. Principles of Healthcare Finance for Clinical Leaders.
This course is designed to prepare allied health professionals in a leadership degree program for managerial positions in healthcare organizations by providing sufficient knowledge of industry financial matters so they can provide input to the organization's chief executive officer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HS 7200. International Healthcare and Wellness.
This course provides an introduction to the culture of a foreign country, with an emphasis on wellness, the healthcare environment, and language in the healthcare setting. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HS 7356. Policy Development in the Healthcare Arena.
Students will analyze changing healthcare paradigms to determine decision-points where policies can be affected. Course allows students to apply existing skills to real world policy issues at state and national levels and to analyze policy development from numerous stakeholders' viewpoints.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Healthcare Administration (HA)

HA 3308. Healthcare Organization.
Overview of the healthcare system and the role hospitals have played and continue to play in the future. Analysis of organizational structure of a hospital and other healthcare agencies, administrative and management elements necessary for policy determination, decision making, and control to achieve institutional goals and objectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3309. Ethics in the Health Professions.
This course introduces the student to a sound foundation in well-established ethical theories and a familiarity with terms, concepts and issues in ethics as applied to the health professions. Also provides practical methods for proceeding from considered reflection to informed action in solving ethical problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3311. Independent Study in Healthcare Administration.
An in-depth study of a single topic or problem confronting the healthcare industry. This course affords the student an opportunity to focus on a topic/problem or group of related problems impacting healthcare managers. This course may be repeated for credit with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HA 3315. Healthcare Administration History, Culture, and Language.
An introduction to the historical and cultural development of modern healthcare administration in contemporary American society. Special attention is given to the mores of health services delivery including critiques and use of professional behavior and language.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3324. Supervisory Management for Healthcare Managers.
Introduction to the following functions of supervisory management: planning, organizing, staffing, influencing, and controlling; as well as the connective processes of decisionmaking, coordinating, and communicating in healthcare organizations. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HA 3329. Human Resources in Healthcare Management.
Human resource management as applicable to the healthcare field. Course will cover human resource planning, staffing, job requirements, job descriptions, sources of labor supply, training and education programs, salary administration, employee communications, legal considerations, union-management relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3340. Management of Health Information Systems.
Provides an introduction to information systems for healthcare facilities and agencies. Covers determining what information is needed by whom; designing information flows, procurement of computer/telecommunication resources, assuring information security, and continuing management of information systems supporting healthcare delivery.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3341. Project Management & Professional Development in Healthcare.
This course examines the professional development and project management processes as applied to the healthcare industry. Emphasis is placed on staff development, needs analysis, task analysis, development of training and continuing education programs for healthcare personnel. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HA 3344. Patient Care Management & Quality Improvement in Health Care Integrated Delivery Systems.
This course is an introduction of integrated delivery systems and their operations. It includes an examination of patient care management and the patient experience. A framework for understanding healthcare quality efforts is also an integral part of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3347. Essentials of Healthcare Law.
This course includes a review of the laws pertaining to healthcare institutions, physicians, and other healthcare workers who contribute to patient care. Tort and contract law are emphasized. The course addresses policy issues and ethics through topics like patient rights, reproduction, and end of life decisions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3375. Principles of Accounting for Healthcare Managers.
Provides an introduction to accounting useful in healthcare facilities and agencies, and demonstrates the application of accounting principles and techniques in the healthcare field. Prerequisite: HP 3325 and [ECO 2301 or ECO 2314] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 3376. Financial Management for Healthcare Managers.
A concentration in the fundamentals of healthcare financial management including the financial organization of nonprofit facilities, sources of operating revenue, management of working capital, and the allocation, control and analysis of resources. Prerequisite: HA 3375 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 4121. Problems in Healthcare Administration.
In-depth study of a singular problem considered to be of immediate concern to the health care industry. Special emphasis is placed on problems unique to managers in the field of health administration. May be repeated with permission of department chair.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HA 4141. Healthcare Comprehensive Exam and Review.
A course in which each of the respective faculty will review their portion of the comprehensive examination that all HA majors are required to successfully pass during their final semester of study. The comprehensive exam will be administered at the conclusion of the course.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 4221. Problems in Healthcare Administration.
In-depth study of a narrow range of topics considered to be of immediate concern to the health care industry. Special emphasis on problems unique to managers in the field of health administration. May be repeated with permission of department chair.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HA 4305. Healthcare Services Marketing.
The course applies the principles of services marketing to healthcare organizations. The course will present tools to identify and close the gaps that exist between customer expectation of services and the services provided and to ensure quality of health care.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 4315. Health Services Problem Solving and Decision Making.
An introduction to methodologies used to seek solutions to health administration problems which affect technical and professional personnel. Designed to place emphasis on techniques most directly applicable to models of administration and management decision making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HA 4318. Employment Law in Healthcare Management.
This course examines the legal aspects of healthcare human resource management. Each of the major federal and state enactments impacting human resource management will be studied in depth. Prerequisite: HA 3329 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 4320. Seminar in Healthcare Administration.
Current trends and problems in health administration affecting health administration technical and professional personnel. Designed to place emphasis in selected areas of administration and management. Research paper and presentation is required of each student. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

HA 4322. Public Health Administration.
This course introduces the healthcare manager to public health and its role in preventing illnesses and improving the health of the community. Students will learn about the role of the manager in disease prevention and how to participate and lead community efforts for the wellness of the community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 4325. Healthcare Strategic Management.
This capstone class integrates accounting, finance, marketing, MIS, and organizational behavior in the creation of sustainable competitive advantage. Health care case studies will be used to illustrate key concepts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HA 4440. Practicum Internship A.
Students with specialization in management participate in a health services based practicum. Experiences in providing opportunities for observation, participation, and practical application of administrative or management skills in the institutional setting are required. Must have a 2.25 major GPA and have completed all junior year major courses.
4 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 4441. Practicum Internship B.
Studies tailored to particular interests and needs of individual students. A variety of experiences may be used to enrich the program for students with special needs or demonstrated competencies. This course is taken in the final semester of study.
4 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 4848. Healthcare Administrative Residency.
Designed for students who have limited or no previous background in healthcare management/administration. Includes rotation through selected major departments, culminating in a major project. This course is taken in the final semester of study.
8 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5111. Topics in Health Administration.
An in-depth study of a singular topic or a related problem being faced by practicing managers in the rapidly changing healthcare industry. Special emphasis will be placed on the topic's current relevance and its utilitarian value to the participant. May be repeated if topic differs.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5191. Field Experience Orientation.
This course will assist the student to prepare for the field experience and to prepare for the comprehensive exam. An extensive orientation to the field experience will be provided to better enable students to move from the classroom setting to a workplace scenario.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5211. Topics in Health Administration.
An in-depth study of a narrow range of topics or related problems being faced by practicing managers in the rapidly changing healthcare industry. Special emphasis will be placed on the topic's relevance and its utilitarian value to the participant. Maybe repeated if topic differs.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5300. Healthcare Organization and Delivery.
A survey of the organization and delivery of health services focusing on the history and development of health systems as they relate to the overall health and medical care systems. Major attention is given to governing bodies, patient care organizations, and executive management structures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5301. Healthcare Administration Research Methods.
A study of research methodology as it pertains to healthcare administration. Included are hypothesis forming, designing research, and the collection, manipulation and analysis of data. Knowledge of numeracy and statistics is essential.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5303. Information Systems Management in Healthcare.
This course provides a comprehensive introduction to information systems management for healthcare organizations. It covers the determination of information required by whom, design of information flows, procurement of information systems technology resources, assurance of information security, and management of systems integration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5304. Healthcare Economics and Financial Theory.
A study of economic theories that have an impact on the healthcare industry. Special emphasis will be placed on emerging economic research and its impact on potential policy ramifications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5311. Trends in Health Administration.
An in-depth study of singular trend or a related problem being faced by practicing managers in the rapidly changing healthcare industry. Special emphasis will be placed on the topic's current relevance and its utilitarian value to the participant. Examples of trends, which are typically offered, include trends in rural health, managed care ethical issues, and in total quality management. This course may be repeated for credit with a different subject area.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5316. Healthcare Financial Management.
An introduction to healthcare financial management including the financial management in healthcare organizations, healthcare payment systems, financing and investment decisions, and financial planning, analysis, and control. Prerequisites: accounting, economics, and statistics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5321. Healthcare Law.
An in-depth analysis of healthcare law and its effect on the relationships between the patient, the patient's family, the provider, and other interested third parties. Analysis of cases is the primary method of study.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5325. Health Care Quality Improvement Concepts and Tools.
This course teaches the concepts of quality in health care and the use of quality improvement tools. Quality management will be explored using Lean Six Sigma continuous process improvement methodologies. This course is intended to help students learn and translate health care quality management theory, concepts, and knowledge into practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5334. Operational Decision Making for Healthcare Managers.
An introduction to the fundamentals of selected operations research techniques essential to the analysis of healthcare managerial problem situations, the design of new and improved systems, and the implementation of systems to achieve desired systems performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5335. Public Health for Healthcare Administrators.
This course introduces the healthcare manager to public health and its role in preventing illnesses and improving the health of the community. Students will learn of the role of the manager in disease prevention and how to participate and lead community efforts for the wellness of the community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5346. Healthcare Strategic Management.
This capstone course examines mission, vision, strategy, and operations from both the formulation and implementation perspectives. Emphasis will be on the role of the manager/leader in strategic management analysis, creativity, and action. This course is available to HA majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5355. Human Resource Management in Healthcare Facilities.
A study of personnel administration in the healthcare facility and the environment in which it functions. Emphasis will be on the role of the Personnel Office in forecasting, developing, and managing human resources, in addition to a review of current legislation affecting the personnel function.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5356. Policy Development in Healthcare Arena.
Prospective healthcare administrators analyze changing healthcare paradigm to determine decision-points where policies can be affected. Course allows students to apply existing skills to real world policy issues at state and national levels and to analyze policy development from numerous stakeholders' viewpoints.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5362. Healthcare Organizational Behavior/Theory.
This course is a study of theory and concepts drawn from the behavioral and social sciences. These concepts are applied as a foundation and conceptual framework for the analysis, diagnosis, prediction and guidance of human behavior in healthcare organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5371. Marketing of Health Services.
A study of marketing functions and principles as they relate to the healthcare delivery system. Analysis of marketing concepts such as market segmentation, marketing planning, marketing audit, marketing positioning, and marketing mix will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HA 5375. Healthcare Accounting.
An introduction to financial accounting in healthcare with an emphasis on the preparation of non-profit financial statements for healthcare service organizations, control procedures for healthcare entities, and accounting issues unique to the healthcare industry. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

HA 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis, HA 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5450. Administrative Field Placement.
A one-semester, full-time field experience which allows students to apply their foundational didactic education by means of rotations, experiences, and projects in a healthcare organization. This course is graded on a credit (CR), no-credit (F) basis. Prerequisite: Instructor approval.
4 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

HA 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5640. Administrative Practicum.
A one-semester, part-time field experience designed for the student already working full-time in healthcare. The practicum provides a broader orientation to the student's organization and exposure to special projects.
6 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5840. Administrative Field Placement.
A one-semester, full-time field experience designed for the student with no prior healthcare work experience. The field placement provides a full orientation to the organization and exposure to special projects.
8 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5841. Administrative Residency.
A full-time field experience, which provides an extensive rotation and special projects. Designed for the student with no prior work experience in healthcare. Student must be enrolled in the course for the duration of the field experience. Repeatable for credit.
8 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

HA 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

History (HIST)

HIST 1310. History of the United States to 1877.
A general survey of the history of the United States from its settlement to the end of Reconstruction. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): American History Core 060|Writing Intensive
Grade Mode: Standard Letter
TCCN: HIST 1301

HIST 1320. History of the United States, 1877 to Date.
A general survey of the history of the United States from Reconstruction to present. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): American History Core 060|Writing Intensive
Grade Mode: Standard Letter
TCCN: HIST 1302

HIST 2310. Western Civilization to 1715.
A general survey of western civilization from earliest times to the end of the 17th century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
TCCN: HIST 2311

HIST 2311. History of World Civilization to the 17th Century.
A general survey of world civilization from the earliest times to the 17th Century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
TCCN: HIST 2321

HIST 2312. History of World Civilization from the 17th Century.
A general survey of world civilization from the 17th Century to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
TCCN: HIST 2322

HIST 2320. Western Civilization, 1715 to Date.
A general survey of western civilization from the Treaty of Utrecht to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
TCCN: HIST 2312

HIST 3310. History of Europe, 1815-1919.
The background, course, and results of World War I, with emphasis on imperialism, diplomatic alliances, and nationalistic rivalries from the Congress of Vienna to the Paris peace settlements. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3311. History of Europe Since 1919.
The rise of Communism, Fascism, and Nazism; the background of World War II, and the post-war problems of peace. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3312. Renaissance and Reformation.
The cultural, political, and economic changes that marked the transition from the Middle Ages in Europe to the modern period; special attention to the decline of the medieval church and the Protestant revolt. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3313. Europe During the Old Regime, 1600-1760.
A study of European society and institutions in the 17th and 18th centuries with special attention to the development of absolute and constitutional monarchy, the scientific revolution, and the intellectual ferment of the Enlightenment. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3314. Revolutionary Europe, 1760-1815.
A study of the dynamics of revolutionary change in France and the rest of the European continent from the period of the Seven Years War through the fall of Napoleon Bonaparte. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3315. History of England to 1603.
The development of the English nation from prehistoric times to the end of the Tudor Dynasty in 1603. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3316. History of England Since 1603.
The English nation and the British Empire from 1603 through the modern era. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3319. Colonial History of Brazil.
The development of the Portuguese society in South America from the sixteenth century until 1822. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3320. History of Mexico.
A survey of the national period of Mexican history from the independence movement to the present. (MC) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3322. Colonial History of Latin America to 1828.
A study of the colonial period of Latin America from the early Spanish and Portuguese colonization to the beginning of the period of independence. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3324. Latin America from Independence to Present.
This course examines the history of Latin America from independence to present. Explores the challenges of formation and consolidation of the new states; of economic policy and development; the rise of Populism and the age of reforms; revolutions and revolutionary movements; and present challenges. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3325F. Militarism in Latin America.
An in-depth survey of militarism and the causes and processes of transition to democracy in Latin America. The course will examine the major characteristics of different types of military regimes in Latin America with particular attention to the military regimes in Argentina, Chile, Brazil, and Uruguay, and their relinquishing of power for democratic transitions. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3325G. Modern Revolutions in Latin American History.
This course will focus on the historical antecedents and events surrounding the Mexican, Guatemalan, Cuban, Chilean, and Nicaraguan revolutions. The purpose is to analyze these five revolutions and to come to an understanding of the current problems facing Latin America. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3325I. Resistance and Rebellion in Colonial Latin America.
This research-based course analyzes the political dynamics of resistance, rebellion, and social control within Latin American colonial societies, from the pax colonial of the seventeenth century to the Age of Andean Insurrection of the second half of the eighteenth century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3326. The Southern Cone of Latin America.
A topical survey of Argentina, Chile, Brazil, and Uruguay which stresses the political balance, geopolitical interests, and forces of commonality and division that have influenced this region since the colonial period. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3327. History of Mexico to 1848.
A survey of Mexico from prehistoric times to the Treaty of Guadalupe Hidalgo. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3329. Spanish Borderlands, 1521-1821.
A survey of the history of the Spanish frontier in North America and its hinterlands from the earliest explorations to the end of Spanish rule in 1821. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3340. History of the United States, 1877-1914.
A survey of American history from the end of Reconstruction to the outbreak of World War I with an emphasis on the pertinent historical literature. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3341. History of the United States, 1914-1945.
The study of American history from World War I through World War II with an emphasis on the pertinent historical literature. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3342. Social and Intellectual History of the United States, 1607-1865.
A history of American culture, with emphasis on the development of religious, political, social, and philosophical ideas through the Civil War. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3343. Social and Intellectual History of the United States Since 1865.
A study of the development of the United States after 1865, with emphasis on the social, political, economic,aesthetic, and philosophical ideas that have influenced contemporary American culture. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3346. The Civil War and Reconstruction.
The history of the United States from the Compromise of 1850 through the election of 1876. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3349. The Constitution of the United States.
An intensive study of the origin and development of the Constitution of the United States. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3352. Western America.
A general examination of the Trans-Mississippi West, its major cultural, economic, political, and social frontiers, and its development as a region and as a national component, from 1803 to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3353. Southwestern History.
A general examination of the region including Texas, California, and the states dominated geographically by the Great Basin, the Southern Rockies, and the Sonoran Desert, from the earliest European contacts to the present. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3357. History of U.S. Foreign Relations.
A study of American diplomacy since the Civil War. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3358. The Military History of the Western Wolrd.
A history of military institutions of the western world, with emphasis on the development of military thought, technology, and application from the earliest period to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3359. African American History.
A survey of African-American history, 1619 to the present. Emphases include African and European backgrounds, hemispheric slavery, slavery in early America, the antislavery movement, the Civil War and Reconstruction, post-Reconstruction culture and society, and Civil Rights movement. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3363. Colonial North America to 1763.
An intensive study of selected topics in the history of the settlement and expansion of British North America, including the development of the social, economic, and political life of the American colonies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3365. US Early Republic, 1788-1828.
History of the early national era, 1788-1828, with emphasis on development of the first party system in American politics, the social and economic issues, the expansion of southern slavery, and the western frontier. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3368A. Introduction to Public History.
A topic addressing the definition, evolution, and philosophy of public history. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368B. Law and Society in Early America.
A survey of American law and society from its European antecedents to the mid-nineteenth century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368E. United States Westward Expansionism, 1776-1861.
This course examines the expansion of the United State across the North American continent from the time of the American Revolution to the beginning of the Civil War. Special attention will be devoted to the Louisiana Purchase, the annexation of Texas, the Mexican Cession of 1848, and the Gadsden Purchase. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368F. History of U.S. Foreign Policy-Making in the Muslim World.
A lecture and readings-based course in the history of U.S. foreign policy-making in the Muslim Middle East. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368H. LBJ's America.
This is a team-taught course covering LBJ's evolution as politician. Beginning with LBJ's early career, students will learn the New Deal/Rooseveltian roots of LBJ's political philosophy. Second, students will discuss LBJ's presidency, Great Society, and Civil Rights legislation. Lastly, students will study LBJ's Cold War politics, particularly the Vietnam conflict. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368J. The Space Race.
This course traces the history of space exploration, focusing on the competition between the United States and Russia since the launch of Sputnik in 1957. Themes include the creation and role of NASA, the scientific and economic impact of rocket science, and the political use of the space program. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368K. American Cultural History.
This course examines the history of specific expressive, popular, and symbolic forms of US culture in shaping American intellectual life, aesthetics, and material culture during the post- Civil War – mid 20th century period. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368L. History of Mexican American Music in the Southwest.
This class will explore Mexican American Music in all of its forms as it has developed in the American Southwest. The course will begin with an historical review of the region. It will then explore, from Islamic Spain to the contemporary Southwest, the development of musical language, styles and fusions. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368M. Popular Music and Social Movements in 20th Century America.
The examination of music as both a reflection of historical trends and a tool of social change will illuminate the relationship between music, culture, politics, and protest movements in 20th-century American history. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368N. History of U.S. Foreign Policy in Indochina.
This is an advanced course on the history of U.S. foreign policy in Indochina, especially Vietnam and Cambodia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368O. U.S. Foreign Relations from Revolution to Reconstruction.
This course in diplomatic history explores the philosophical, social, and legal aspects of the diplomatic relations of the United States, and development of the leading principles of foreign policy in the early American republic. These studies are then set within the context of analysis via several geo-political models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368P. The U.S. and Britain in the Sixties.
This course explores the political, social and cultural changes experienced by Americans and Britons during the "long 1960s" (1955-1975). Students will examine key events in each country separately before focusing on the commonalities and differences. Special attention will be paid to the transfer of movements across the Atlantic. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368R. History of Rock and Roll.
This course traces the various ethnic, social, cultural, political, economic, and demographic forces in American society that helped shape Rock & Roll music. Students will also explore how this uniquely American cultural idiom mirrors the historical evolution of the United States in the second half of the twentieth century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368S. History of Music and Race in the American South.
This course examines how the complex musical landscape of the American South, including blues, gospel, jazz, folk, country, bluegrass, Cajun, zydeco, rockabilly, and others, reflects the interaction of larger social, historical, ethnic, racial, political, and economic forces in that region from the eighteenth century to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368T. American Songbook.
This course examines the music of American from the colonial era to the 1960s. By exploring songs as primary source documents, students will analyze lyrical themes that illuminate historical trends from diverse perspectives, Beginning with British America, the course traces musical contributions of many demographic groups that comprise American society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368U. U.S. - Cuban Relations.
This course will provide students with an overview of relations between the United States and Cuba from 1865 to 2006. Themes include economic, political, military, and cultural inter-development through Cuban independence movements, U.S. military occupation, shared cultural and economic movements, and the growing animosity from Castro's Revolution to recent years. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3368X. Organization of the Modern American State.
This course analyzes changes in political culture, policies, and organizational dynamics that shaped the American state, 1870 - Present. It examines how interest groups, experts, and bureaucrats helped transform a weak American state into one that affects most parts of citizens' daily lives, despite America's traditional aversion to centralized power. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3369Y. Black Women and Black Protest in America.
This course will trace the participation of Black women in every stage of Black protest in America from slavery and Reconstruction to Civil Rights and the Black Panthers. Through autobiographies, memoirs, film, literature, and monographs we will explore particular forms of Black female resistance, the unique concerns of Black female organizations, and the contradictions and successes Black women face within African-American freedom struggles. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3369Z. Immigration and US History.
This course examines the history of immigration to the United States beginning with the colonial era and extending through present day. It will consider the causes of immigration; the social, cultural and economic experiences of various immigrant groups; the development of immigrant group identities; and American responses to immigration.(MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3370. The Tools and Techniques of Historical Research and Writing.
A survey of traditional research methodology and the basic techniques in quantitative historical research. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3371A. Conflict and Creativity in U.S. Urban and Suburban History.
This course surveys the changing functions, scale, and quality of urban society in the United States. Special emphasis will be placed upon urban politics, or how changing demographics, physical environments, public and private institutions, and economies both grew out of and gave rise to political tensions between Americans. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3371B. Health and Illness in American History.
From concerns epidemics might undermine proper American racial orders to anxieties over democracy and health care financing (Obamacare), health and illness have reflected and shaped the ways Americans understand themselves, their policies, and their societies. This course examines two centuries of this complicated and fascinating history. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3372. Texas History: A Survey.
A one-semester survey of Texas History which will emphasize political, economic and social development from prehistory to the twentieth century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3373A. U.S. Women's History to 1877.
This course surveys the diversity of women's experiences in the United States from the colonial era to 1877. The social, economic, political, and intellectual realms of women's worlds, both public and private, are explored. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3373B. U.S. Women's History since 1877.
This course surveys the diversity of women's experiences in the United States from 1877 to the present. The social, economic, political, and intellectual realms of women's worlds, both public and private, are explored. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3373C. The History of Rural Women.
This course surveys rural women in the United States from the founding of the nation to the present. Topics include women's work in the agricultural economy, female influence in community and agrarian organizations, and the relations ship between rural and government services from regional, national, and global perspectives. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3374A. History of Christianity 1300-1700.
This course examines selected individuals and movements that embody key concerns of Christians during the most tumultuous era in Western Church history. The course begins in the fourteenth century so that students may gain perspective on reform efforts predating, and decisively influencing, the break with Rome catalyzed by Martin Luther.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3374B. American Religious History.
This course in religious history explores the theological, social, and political evolution of religions and the development of the leading trends in religious beliefs and practices in the United States from pre-European encounters to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3374C. History of Religion in India.
This course will focus on the historical development of religious traditions within India including Buddhist, Christian, Hindu, Islamic, Jain, Sikh, and Vedic.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3375A. Topics in Working Class History.
Examines topics in US working class history with emphasis on the experiences of organized and unorganized workers in the context of their social, cultural, political, and workplace environments and the role of the working class in shaping US society. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 3377. History of Country Music.
This course examines the evolution of country music and how it reflects larger social, cultural, historical economic, political, ethnic, and demographic changes taking place within American society. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3378. History of the Blues.
This course examines the evolution of the blues and other forms of African-American music throughout American history, with an emphasis on how blues music reflects the rich and complex traditions of the African-American community and helped give birth to rock & roll.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 3380. The Desegregation of the South from 1944-1970.
Course will address the history and the historiography of the desegregation of the South from 1944-1970. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 3381. Democracy and Education.
This course provides an overview of the relationship (and tension) between democracy and education in the U.S. between 1865 and 1930, when emancipation, westward expansion, rural poverty, and growing immigrant and working-class populations motivated reassessment and reform of public education in an attempt to meet individual and societal needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4300. Social Studies Resources and Practices.
This course is required for those students seeking the Social Studies Composite. This is an interdisciplinary methods course designed for students planning to teach Social Studies at the secondary level. This course will examine the philosophy behind the social sciences as well as integrate instructional techniques of History, Economics, Political Science, and Geography. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4303. Ancient Greece and the Mediterranean World, 1600 B.C. to 30 B.C..
A survey of Greek and Hellenistic history from Mycenaean civilization to the Roman conquest of the Eastern Mediterranean. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4304. Ancient Rome and the Mediterranean 500 B.C. to 500 A.D..
A survey of Roman History from the Republican period to the fall of the Western Empire with emphasis on its Mediterranean milieu. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4307. Medieval European History, 300-1400.
A study of the Latin West and the Byzantine East during the Middle Ages with emphasis on the continuity of Greco-Roman culture as it encounters Islam and the Barbarians. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4317. Tudor-Stuart England, 1485-1689.
A study of the constitutional, social, political, and religious developments in England during the Tudor-Stuart dynasties. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4318A. Daily Life in the Roman Empire.
A survey of the various aspects of daily life of the ancient Romans. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318G. Western Eurpore and the Development of Modern Africa.
The course will examine the impact of western Europe on the development of African countries from c1640 to present. Themes to be considered include: the impact of the slave trade, the Mfecane, European penetration and conquest of Africa, African resistance, the varieties of colonialism and the legacy of the same. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318N. Transatlantic Migration.
The course uncovers how migration processes function, breaking these down into economic, social, cultural and especially political aspects. Who migrated, why and how did transatlantic migration patterns develop (1815-1930)? What actors steered it and how did the enactment, enforcement and evasion of American migration policies take shape?.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318O. History of Modern Spain.
The course traces the history of Spain from the time of Ferdinand and Isabella to the rise of the European Union. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318P. France and the Modern World.
A survey of important phenomena in nineteenth and twentieth-century French history that have had an impact on the development of the modern world. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318Q. History of Early Modern Spain.
Through readings, lectures, class discussions, critical film viewing, and writing assignments, this course seeks to familiarize students with the history of Early Modern Spain and its transoceanic empire between the late fifteenth century and the early nineteenth century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318R. Ancient and Medieval Spain.
Through lectures, class discussions, and critical reading, film viewing, and writing assignments, this course seeks to familiarize students with the history of Spain between approximately 800 BC and AD 1500, with an emphasis on the legacy transmitted by the successive civilizations that flourished on Spanish soil during that period.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318S. Britain and the World.
Mainstream British history still neglects the world's influence upon domestic developments, and British overseas history remains largely confined to the study of the British Empire. This course takes a broader approach, investigating Britain's interactions with the wider world from 1688 to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318T. Roman and Medieval Britain.
This course will investigate Roman and Medieval history related to the city of Chester, the Welsh Marches and the Northwest of England. Through readings, classroom discussions, close analysis of photos and videos of the sites, this course will detail the history of this problematic and often rebellious region. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318U. Industrial Britain.
This course will examine the physical impact that industrialization had on the Great Britain - bridges, canals, factories - and the cultural/social effects on factory and seaside resort towns and ocean ports. The class will address what role industrialization played in Britain becoming world industrial and imperial power. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4318V. The History of Modern Britain.
This course examines the history of imperial Britain from the early ninteenth century to the present day. Students will analyze the cultural and intellectual foundations of modern British society, including the growth of its industrial economy, the development of representative politics, and the evolution of its relationship with its empire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 4318W. Queer Youth History.
This transatlantic course examines the emergence of both youth and queer culture in urban spaces through a study of gender, sexuality, race, class, and nationalism. With a wide-ranging chronological and geographical scope, the selected queer/youth cultures represent diverse spatial, aesthetic, economic, political, and socio-cultural histories.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4320. Origins of Christianity.
A survey of the development of the institutional church from the founding of the first primitive communities of believers to the rending of Christian unity in the 16th century. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4325. Islamic History to 1798.
This course explores the history and culture of the Arab and Muslim peoples in the Middle East and North Africa from the late 6th century to Napoleon's invasion of Egypt in 1798. Emphasis is placed on the interrelationships of indigenous socio-economic structures and intellectual developments in Islamic theology and Shar' a law. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4326. The Modern Middle East.
This course emphasizes economic social and intellectual developments in the Arab Middle East and North Africa in the 19th and 20th centuries. Some attention will be paid to Iran in the period after World War II. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4327. The Problem of Palestine.
Examination of Arab Palestine. Ottoman records to 1914, Israel's creation in 1948, and Jordan's loss of control of the West Bank and Gaza in 1967 will be surveyed. The Palestinian Diaspora, Yasir Arafat's leadership, and the "Intifada," also will be examined. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4328. History of India.
This course is an introduction to the history of India from ancient times to the creation of the modern nation-state of India. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4333. The History of Russia and Eurasia to 1917.
A survey of Kievan Rus, Muscovy, and the Russian Empire to 1917. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4334. The History of Russia and Eurasia from 1917 to Present.
A survey of the history of the former Soviet Union and post-Soviet society from 1917 to the present. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4335. 20TH CENT EAST EUR.
A survey of the history of Eastern Europe. May be repeated with a different emphasis. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Header|Writing Intensive
Grade Mode: Standard Letter

HIST 4336. Germany from 1815 to Present.
The political, social, economic, and cultural development of Germany since Napoleonic times. Includes the Confederation period, unification under Bismarck, the Second Empire, National Socialism, and the post-war period. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4337. Germany and National Socialism, 1918-1945.
Survey of German history and the Nazi movement. Topics covered will include the Weimar Republic, Hitler's rise to power, everyday life in Nazi Germany and in peace and war and the Holocaust. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4343. Modern China, 1600 to the Present.
A survey of the political, social, economic, and intellectual history of China from 1600 to the present. Emphasis on the issues of domestic troubles and external aggression, and on the revolutionary changes in the 19th and 20th centuries. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4344. Modern Japan, 1600-Present.
A survey of the political, social, economic, and intellectual history of Japan from 1600 to the present. Focus on the radical changes in the state, society, and economy in the 19th and 20th centuries and on the impact of these changes on Japan's status in the world today. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4346. Modern Korea.
This course is a survey of the political, social, economic, and intellectual history of modern Korea, focusing on the external aggression and internal transformation between 1876 and 1910, the impact of the Japanese rule, the split into two Koreas in 1945, and the North/South developments and interactions since then. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4347. History of Hong Kong.
This course is a survey of the political, social, economic, and intellectual history of Hong Kong from 1842 to the present. Focus is on British colonial rule, the Handover in 1997, and the current status of the Hong Kong Special Administrative Region of the People's Republic of China.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4348. Mahatma Gandhi and Nonviolence.
This course will offer students the opportunity to explore Mahatma Gandhi's leadership of the movement against British colonialism in India and the legacy of Gandhi's strategies of non-violent non-cooperation in other political movements of the twentieth century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4350A. Slavery and Emancipation in the Americas.
An Atlantic and continental perspective of the institutionalization of the slave trade, the adaptation of the plantation system and the evolution of slave laws, the various models of emancipation in the Americas, followed by the modified forms of indigenous and foreign slave labor adopted in the Americas. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350B. Origins of the Modern Global Economic System.
An interdisciplinary and inter-cultural perspective that examines the rise and fall of the economic system of the thirteenth century centered in Asia and the reasons why the system was eclipsed in the fifteenth century by a new economic system centered in Europe. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350D. Empire and Identity in Central Asia.
This course explores the historical development of local, ethnic, and national identity in Central Asia from the 13th-century Mongol conquest to the present. The course concludes with explorations of the transnational links within the region and the challenges and possibilities for the five Central Asian republics in the post-Soviet era. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350E. Gender in Latin American History.
This course surveys the role of gender in Latin American history, from pre-conquest to the present. It analyzes Latin American politics, culture, and economics, and gives particular attention to the creation and resistance of social norms. The course strengthens analytical skills through extensive discussion and writing.(WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350F. Postwar Japan.
This course explores Japan's development from the 1940s through the 1970s. Emphasis is on the continuities and discontinuities from the wartime to the postwar regime, American influence on policies and discourses on post-occupation society, the legacies of the war in culture and society, and the repercussions of economic affluence. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350J. History and Culture of Modern India.
The course features an intensive study of the history of modern India. Course coverage includes the Mughal Empire, British Colonialism, Mahatma Gandhi and the Indian Independence Movement, and the establishment of the nations of India and Pakistan. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350K. Gender & Militarization in the Arab World.
For women and men in the modern Arab world, national identity and sovereignty – or civil war – influence how they live. This class takes advantage of cutting-edge scholarship on the twentieth-century Middle East to hone students' skills in historical analysis. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350L. History of Southeast Asia.
Southeast Asia today includes eleven countries: Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar (Burma), Philippines, Singapore, Thailand, East Timor, and Vietnam. This course will explore the region from its earliest origins through the periods of European colonialism, nationalism, revolution, and the transformation of old societies into new nations. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350N. The 20th Century Middle East: Syria, Iraq, and Palestine.
This upper-division course considers three of the nation-states under League of Nations mandates at the beginning of the twentieth century: Syria, Iraq, and Palestine. Students read a general history of the region in support of additional readings that offer in-depth discussion of specific issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350O. History of Indochina.
This course explores the themes of diffusion, acculturation, hybridity, accommodation, and resistance in the history of Mainland Southeast Asia (also known as Indochina). The region, which has been the site of significant interaction with the larger world since ancient times, consists of Thailand, Cambodia, Laos, Vietnam, peninsular Malaysia, and Singapore. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350P. European Colonial.
This readings course explores the development of worldwide colonial systems since the fifteenth century. Emphasis will be given to how native peoples responded to European attempts to introduce economic, political, and cultural prerogatives in a variety of world settings such as South and Southeast Asia and North and South America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 4350R. Workers and Work in the Arab World.
Of 255 million people in 22 predominantly-Arab countries in North Africa and the Middle East, over the past 150 years, most have worked at some kind of job or another. In this course we will consider how labor politics introduce state regulations to gender, national and sexual identities. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350S. Piracy Through the Ages.
An activity based on greed, and sometimes survival, piracy has existed since humans took to the seas. This course investigates the global history of piracy beginning with the Vikings. The history of piracy in the Caribbean, Asia, and the Mediterranean will be covered and compared to the piracy of today. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350T. Japanese Urban Life.
Home to the world's largest city, Edo, at the end of the eighteenth century, Japan has been influenced over many centuries by a vibrant and distinctive urban culture. Through works of history, fiction, film, geography, and urban planning, this course introduces students to the characteristics and development of Japanese urban.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350U. Slaveries: Past and Present.
This course explores the significance of slavery in American history from the colonial period to today, from the emergence of racial slavery in the 17th century to human trafficking now. We will read the works of historians, journalists, and activists, as well as personal narratives of enslaved peoples. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350V. History of Pakistan.
This course is an introduction to the history and culture of Pakistan. Broadly covering the 5000 year history of the region, from origins, the introduction of Islam and creation of the modern state, the course focuses on the cultural developments of the region, along with highlights of major political developments. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350W. The Great War.
This course will cover the history of the First World War. Co-taught, the class will examine the following topics: diplomatic origins, course of the war on the battlefield, changes in military technology, effect of Total War on the home front, propaganda, and legacy. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350X. Peace and Nonviolence Movements.
This course explores the origins, development, and impact of peace and nonviolence movements globally. It will examine the roles that religion, class, gender, race, ethnicity, and nationalism have played in shaping social and political perceptions of injustice and public attitudes toward movement goals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4350Y. Development of Secularism in Ottoman Empire and Modern Turkey.
The emergence of Turkey as a secular state is a peculiar example among the countries with predominantly Muslim populations. This course aims to provide students with an historical survey of the secularization of the Ottoman state and the development that led to the emergence of modern Turkey.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4360. History of the United States, 1945 to 1968.
A study of the interplay of economic, social, political, and cultural forces that shaped American society from the end of World War II to the presidential election of 1968. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4361. History of the United States, 1968 to the Present.
A study of the interplay of economic, social, political and cultural forces that have shaped American society from 1968 to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4363. Riddles of the Civil War.
This course examines many unanswered questions or "riddles" of the American Civil War. Topics include, "Why Lincoln Chose to Invade," "Jomini, the Generals: Strategy and Tactics," "Lincoln, the Constitution and the War," "Interior lines: Strategic Casual Availability," etc. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4364. Military History of the United States.
A specialized study of the military problems of the United States since 1789 and their impact upon non-military problems. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4365. Age of Revolution in North America, 1763-1789.
A history of the American people during the age of the American Revolution, from the beginning of the crisis with Britain to the adoption of the Constitution. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4367. US Antebellum Era, 1812-1861.
A survey of conflicting American attitudes about the desirability of a strong central government, rapid economic growth, aggressive national expansion, and human slavery in a democratic society. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4368. War and Society.
A study of the relationship of war with social and cultural institutions from the 18th century to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4369. Introduction to Ethnohistory.
This course familiarizes students with the ethnohistorical method, a multidisciplinary approach to the study of the historical, social, and cultural processes undergone by indigenous peoples before, during, and after contact with nation-states. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4371. Introduction to American Indian History.
This course promotes understanding of the role played by the native peoples of North America in the history of the United States. Among the subjects to be covered through lectures and discussions: initial migrations and cultural development; impact of European conquest; adaptation; removal and reservation life; 20th century adjustments. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4372. Mexican American History.
A survey of the political, economic, and social-cultural role of the Mexican-American in United States from the era of Spanish colonization to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4373. Economic and Social History of the Americas.
Comparative history of the Americas with special attention to the United States, Canada, and Mexico. Explores different patterns of economic growth and their impact on societies and international relations. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4375A. Critical Issues in Texas History.
Emphasis will be on significant critical issues in Texas history. Topics will include: Mexican independence, Texas and U.S. expansion, the Texas Revolution and the Mexican War, the Civil War and Reconstruction, Spindletop, the Depression and WWII, and the rise of urban, high-tech Texas. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4375B. African-American Experience in Texas.
People of African ancestry have played a role in Texas history since Estebanico accompanied Cabeza de Vaca in exploring the region in the 1530s. As slaves, soldiers, and cowboys, Afro-Texans have participated in the state's development while being at the center of controversies regarding rights, racemixing and economic opportunity. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

HIST 4376. The History of Texas Music.
Examination of the evolution of music in Texas and the American Southwest, emphasizing how music reflects the richly diverse ethnic and cultural heritage of the region. It also considers the importance of ethnic identity and other social, political, and economic factors in shaping the Southwest, its people, and its music. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

HIST 4380. Historical Resources and Practices.
This course is required for students seeking teacher certification in History. This course is an introductory methods course designed to familiarize students with general historical practice and its application in secondary teaching. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4388. Problems in History.
This is an independent study course open to advanced students on an individual basis. Repeatable for credit with different emphasis. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

HIST 4390. History Practicum.
Researching, Writing, and Publishing Local History. This course will involve students in researching, writing, and publishing short historical guidebooks to sites/areas such as San Marcos, San Antonio, Fredericksburg, etc. Using desk-top publishing techniques, which are to be taught, the short (24-48 pages) guidebooks will be produced and marketed by the class. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

HIST 4399. Senior Seminar.
This course is required for History majors not seeking teaching certification. In this course students refine skills and techniques essential to the historical profession. Students analyze primary and secondary sources, apply methods, and write a term paper. Prerequisite: 24 semester credit hours in History with a grade point average of at least 2.25 in those hours. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

HIST 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5300. Foundation Studies in History.
Required as a condition of admission to the M.A. History program for otherwise qualified candidates lacking sufficient History background hours. In this course, students demonstrate necessary competency in History skills and methods to succeed in the program. This course does not earn graduate degree credit. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

HIST 5301. Instructional Methods Practicum for Graduate Assistants.
Required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

HIST 5307. Medieval European History: Contemporary Trends in Medieval Historiography.
This course introduces graduate students to the craft of the medieval historian, with emphasis on major contemporary shifts in American historiography of the European Middle Ages.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5308E. Latin Literature and Roman History and Society.
A seminar based on the study of the most important Latin literary works from the 2nd century B.C. to the 2nd century A.D. No knowledge of Latin is necessary to take this seminar.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5308F. Roman History and Civilization: The "Golden Age" of Rome.
The history of Roman civilization (political, diplomatic, economic, social, cultural, etc.) from Augustus to Marcus Aurelius (27 B.C. – A.D. 180). The main focus will be to explain what made possible this exceptional period and why it lasted so long.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5308G. Warfare in the Ancient World.
A seminar on the nature, development, and historical significance of war in the Western World, from the Trojan War (end of the 13th century BC) to the fall of the Western Roman Empire and the establishment of Germanic kingdoms (5th century AD).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5309A. Interpreting the Eighteenth Century.
A seminar designed to analyze the methods that historians have used to interpret the meaning of various phenomena such as the Enlightenment, the nature of society, and the origins of the French Revolution.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5309D. Early Modern Spain.
A seminar based on selected topics in political, social, intellectual, and economic history of Spain from 1450 to 1815.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5310. Western European History Since 1815.
A seminar based on selected topics in the history of Western Europe from 1815 to the present. May be repeated with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIST 5313. Early American History.
A seminar based on selected topics in the Colonial Revolutionary and Early National periods of the United States history. May be repeated with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5314. Ethnohistory.
This seminar seeks to familiarize students with current questions, methods, theories, and debates in ethnohistory, a multidisciplinary approach to the history of indigenous peoples. Materials studied will include both classic and recent ethnohistorical works.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5315A. American Sexualities.
This course addresses the history of sexualities in the United States from the colonial era to present to shed light on the ways that sexuality has shaped social life, establish conventions, and created spaces to defy norms.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5315B. Queer History: GLBT Histories in the United States.
This course examines the histories of different sexual minorities from the colonial era to present, though the majority of the course focuses on the twentieth century, to explore the rise of the modern lesbian, gay, bisexual, and transgender identities, politics, and culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5316A. Women's Rights in Comparative Perspective.
This course considers national, transnational, and global development of campaigns for women's rights since the nineteenth century. The course examines how women agitated for their rights in different cultural and historical moments. Students will gain familiarity with comparative feminisms, the gendered nature of liberal movements, and women's activism in national and international arenas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5316B. Women and Empire.
From 1492 until World War II the globe was dominated by imperialism. This course considers the ways that women, in the metropoles of Europe and throughout colonial settings, found their lives shaped by empire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5318A. Eighteenth Century England.
A seminar based on selected topics in political, social, intellectual, and economic history of England from 1688 to 1815. May be repeated with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5318C. The Age of the Stuarts.
A study of selected topics in English history between 1603 and 1714.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5318D. European Imperialism.
Europe's penchant for building empires helped to greatly enhance their influence (economic, political, and cultural) from the fifteenth to the twentieth century. The course will review the major European empires and discuss the extent of their influence during this 500 year span.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5319. The Age of the Tudors.
This readings-based course emphasizes differing interpretations of selected topics in English history from circa 1485 to 1603. Constitutional, political, governmental, social, religious, and cultural aspects of the era are covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5323A. Society and Culture in Brazil.
This seminar explores the social and cultural history of Brazil through its various ages, the "Age of Sugar", the "Age of Coffee", the "Age of Pedro II", the "Belle Epoque", and the worlds of the sugar and coffee barons. It explores the character of these ages marked by the grand plantation houses, devotion to European models, and the conflict with a slave society, covering the years from the colonial period to the turn of the twentieth century. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5323B. History of Race and Slavery in Brazil.
This course assesses the literature on race relations and slavery in Brazil. It situates the topic within a comparative, Atlantic framework and provides a critical understanding of the chief issues and debates in the field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324B. Race, Class, and Nation in Modern Latin America.
A seminar that examines the relationship between race, class, and nation building in Latin America, beginning with independence in the nineteenth century and continuing to contemporary times. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5324C. Slavery and Emancipation in the Americas.
This course examines slavery in the Americas in its full social, political, and economic context. Students will enlarge their understanding of slavery by using an international, transatlantic framework for comparison. The course strengthens analytical skills through extensive discussion as well as significant writing and research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324D. Writing the History of Latin America: The Colonial Era.
This readings seminar provides a critical assessment of the main themes and debates of colonial Latin American historiography. The course discusses the different paradigms under which historians have approached the cultures and societies of the region under Spanish and Portuguese rule, emphasizing on the latest trends and developments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5324E. Modern Latin American Revolutions.
The course is a seminar that examines and compares the causes, consequences and results of Latin America's twentieth century revolutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5325A. History of Mexico to 1848.
A topic course studying the history of Mexico from pre-historic times to the Treaty of Guadalupe Hidalgo. The course encompasses the development of Indian societies from the Yucatan to the American Southwest preceding the Spanish conquest, the social, economic, and political development of Spanish colonial Mexico, the War in Independence, and the formation of the new nation through the war with the United States. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5325C. Revolutionary Mexico.
A graduate seminar that explores the interrelated economic, social, political, and cultural conditions and forces that shaped revolutionary Mexico. Ideological currents that impacted the period will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5325D. Mexico Since the Revolution.
This class is a Graduate Seminar covering the History of Post-Revolutionary Mexico. This course will explore the history of Mexico since the Revolution, including the social, cultural, and economic legacies of the Revolution, as well as the process of State building, one party rule, globalization, and the transition to democracy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5335. Twentieth-Century Russia.
A seminar based on selected topics in recent Russian history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5336. East European History.
A seminar based on selected topics in recent East European history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5341A. Early U.S. Diplomacy - Revolution to Reconstruction.
This course explores the philosophical, social historical, and legal aspects of the diplomatic relations of the United States, and development of the leading principles of foreign policy in the early American republic. This course assesses the literature on diplomacy and situates the topic within a comparative, Atlantic world framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5341B. Caribbean Transnationalism and Diplomacy.
This seminar focuses on the international relations of the twentieth-century Caribbean, with emphasis on interactions between Cuba, the Dominican Republic, Haiti, Jamaica, the United States, and Venezuela. Students will analyze the ways that international action and response in these countries have affected policy, government, and international social movements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5341C. Modern U.S. Diplomacy.
This course explores the philosophical, social historical, and legal aspects of the diplomatic relations of the United States, and the development of leading principles of foreign policy in the twentieth and twenty-first centuries. This course assesses the literature on diplomacy and situates the topic within a comparative, transnational framework.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5343. The Progressive Era.
This course is a seminar on the rise of industrial capitalism and corporate power and the public response to the related restructuring of the social and economic order between 1890 and 1920, with particular emphasis on the strengths and weaknesses of progressivism as a democratic movement for reform.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5344. History and Memory.
This course examines the way that groups shape the the collective memory of past events, how memory shifts over time, and the way it can be influenced by present influences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5345D. Oral History: Theory & Practice.
A seminar based upon developing a theoretical and practical understanding of the techniques of oral historical research and document preservation and presentation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345M. History of Utopian Communities.
This seminar examines utopian experiments in American History. Starting with John Winthrop's 1630 "City upon a Hill," the course explores both religious and secular communal ventures through the eighteenth and nineteenth centuries. The course concludes with an examination of counter-cultural, twentieth-century communes, intentional communities, and cultic separatists.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345N. Transformation of the South.
This course is a readings research seminar on African-American culture and life in the twentieth century South from 1890-1971. The course provides the students with a thorough historical examination through biographies and community studies of specific issues and events that ended legal segregation in the South.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345O. Immigration and US History.
This course focuses on North American immigration history from colonial times to the present and looks at how both immigrants and native-born Americans struggled to reconcile conflicting notions of identity and national loyalty.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345P. History of Mexican American Music in the Southwest.
This class will introduce students to the musical history of Islamic Spain, Spanish Colonial Mexico, and Mexico and investigate the influences of these traditions on the development of Mexican-American music in the American Southwest.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345Q. Gender and Citizenship.
This course is designed to introduce students to the literature in United States history that addresses issues of gender and how they relate to US citizenship from the colonial period to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345R. History of Country Music.
This seminar traces the various ethnic, social, cultural, political, economic, and demographic forces in American society that have helped shape country music. Students will also explore how this uniquely American cultural idiom mirrors the historical evolution of the United States.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5345S. Theories and Methods in Popular Music History/Culture Studies.
This is a course in the theories and methods of cultural studies and popular music history for graduate students. It is intended to review the history of debates and methodologies in the field to prepare students to do original work that fits into the larger conversations in popular music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5345T. Biography and American History.
In this class students will delve into the practice of biography and the ways in which biographers convey American history and culture through a life story.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5346. African American History.
This course is an intensive readings and research seminar in African American History. Through the uses of lectures, biographies, institutional histories and community studies, students will be introduced to the different interpretive themes and methodologies that have created the myriad of historical interpretations and reinterpretations of African American History. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

HIST 5347. Texas History.
A seminar based on selected topics in the history of Texas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5348. History of Texas Music.
This course examines the evolution of music in Texas and the American Southwest from pre-Colombian times to the present, with an emphasis on how music reflects the ethnically diverse history and culture of the region.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5350. The Frontier in American History.
A seminar based on selected topics in the history of the frontier in American development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5351B. Cold War America.
This course examines the Cold War years 1945 to 1960, concentrating on the domestic scene. The class will discuss the major issues of domestic politics, society, and culture, through the use of both primary and secondary sources. They will also examine the historiography of the period.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351C. Race, Gender, and Ethnicity in American Labor History.
This graduate seminar explores the impact of race, gender, and ethnicity upon American Labor History. Readings integrate race, gender, and ethnicity as categories of analysis into the study of class formation, experiences, and consciousness within the American labor force. The focus will be on unorganized as well as organized workers in the context of their social, cultural, political, and workplace environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

HIST 5351D. Politics & Society of Postwar America, 1945-Present.
This course will explore the interaction of political, economic, and social forces in the years following the Second World War. Emphasis will be placed on analyzing the interdependent relationship between political structures, social movements, and economic circumstances.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351E. Foundations of the U.S. Conservation Movement.
The course will provide an overview of the conservation movement from the writings of Henry David Thoreau to publication of Rachel Carson's Silent Spring. Emphasis will be on social and cultural influences, with particular attention to government programs, naturalist literature, activism, movement leaders, and landmarks of environmental debate.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5351F. US Women's History.
This course offers graduate students an introduction in the topics, themes, and issues that animate the history of women in the US.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5351H. US Latino/a History.
This course explores the histories, cultures, and politics that shape Latino/a experiences in the United States and examines the way Latino communities helped shape the making of the nation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5353. Greater Southwestern History.
A seminar based on selected topics in the history of the Greater American Southwest.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5357. The Gilded Age.
A seminar based on selected topics in late nineteenth-century American history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5358. Sectionalism & Slavery in the United States.
This course assesses the literature on the causes and consequences of the sectional conflict between the American North and the South before the Civil War, with particular focus on works examining the slavery issue and the way it exacerbated American sectionalism, leading to the fracturing of the American nation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5361. Historiography and Methods.
A general introduction to key concepts, approaches, and challenges involved in reading, researching, and writing history at the professional level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5362. Military History.
This seminar is based on selected topics in military history. May be repeated with different emphases up to nine hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5363. Antebellum American Society & Culture.
This seminar explores the cultural dynamics, social relations, and political and economic structures that shaped the lives of ordinary Americans in the three decades before the Civil War.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5366B. The Old South, 1830-1860.
Readings will enable students to understand the Old South's economic, political, and cultural development and the development of differing interpretations and schools of thought about Old South history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5367. US Era of Civil War and Reconstruction.
A seminar that examines the history of the causes, course, and consequences of the American Civil War and the efforts to reconstruct the American Nation in its aftermath.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5369. Music and Social Movements.
This course examines the historical role music has played in a variety of social movements related to race, gender, ethnicity, religion, politics, economics, education, labor, civil rights, and other issues in U.S. history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5371. The Practice of Public History.
A seminar addressing the definition, evolution, and philosophy of public history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5372. The Practice of Museum Studies and Material Culture.
A seminar addressing the history, organization, and functions of history museums.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5373. The Practice of Historic Preservation.
A seminar addressing architectural history and preservation theory and practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5374. Public History Internship.
Application of skills in public history in an on-the job setting. Internships will be selected by the student and instructor, and will be supervised by the instructor. May be repeated once for additional credit.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5375A. Documentary Film.
The use of film & video in public programming; research & produce documents.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375B. Archival Management.
A seminar based on the history, theory, and practice or archival management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375C. Cultural Resource Management.
This seminar addresses the management of cultural resources such as historic buildings, historic sites, and other tangible remains of our heritage. It explores how cultural resources are preserved and managed under federal and state law, and the nature of the regulatory practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375D. Material Culture in America.
This course examines the interactions between people and things in American society. The ways in which Americans have created, used, altered, and thought about material objects help us to understand history. Readings and research will focus on the values and attitudes embodied in the production, use, and preservation of objects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375E. Management & Administration in Historical Organizations.
This course provides an introduction to the non-profit based management, leadership, and administration issues and practices for historical organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375F. Education Programs in Historical/Cultural Institutions.
This course will study the role of education programs as primary to the missions of historical and cultural institutions and will explore how institutions create and evaluate formal and informal education programs and materials for a variety of audiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375H. Historic Preservation in East Asia.
Participants will explore various approaches to the conservation of the built environment in a range of East Asian societies through in-depth readings and participant-directed projects concerning Japan, Korea, Hong Kong, Singapore, Vietnam, and China. We will compare these approaches to typical western patterns of preservation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375I. Heritage in a Global Context.
Heritage management is the interdisciplinary approach to the preservation, protection, and public use of the historical record. This course examines definitions and approaches within a global context. Theory and practice will be analyzed through case studies and real world examples. Current issues, sustainability and maritime issues/practices will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375J. American Architectural History.
This course will analyze the historical development of American architecture, and examine architecture as evidence of America's cultural, social, economic, and technological evolution from 1607 to the present. Focus will be placed on the role of historic American architecture in the practice of public history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375K. Evaluating HIstoric Sites.
Every year millions of tourists flock to historic sites desiring to commune with "real" history, to "feel" the past. This course will introduce students to methods that scholars use to examine critically the interpretation of history at these sites without discounting the emotional connection to place that many visitors experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5375L. Controversy and History.
This seminar explores how controversy, power relations, and politics are embedded in the practice of public history. It is designed to help the future practitioner navigate the complex political landscape of public history. This course is informed by the professor's experience as a consultant and federal historian.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375M. Writing for Public History.
This will be a course intensively focused on research and writing specifically for public history audiences through a variety of venues: journal articles, magazine/newspaper articles, brochures, promotional literature, personal essays, historical markers, reviews, websites, cultural resource management "gray literature," and professional papers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375N. Digital History.
Students will study the history of print and digital media to better understand the practice of digital history. They will be introduced to a variety of digital approaches to the study of history, and they will produce and contribute to a variety of digital projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375O. Records Management & Institutional Archives.
This course will introduce students to the principles and theories in records management and institutional archives. It will provide practical experience creating a records retentions schedule, researching retention requirements and best practices, appraising records with enduring value, and establishing archival series to accommodate ongoing acquisition of institutional records.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5375P. The Family and Child in History and Heritage.
This course examines the historical development of the family and childhood using academic family history methods and public approaches to family heritage. It examines differing experiences of ancestors and concepts of family and childhood over time by race, class, and gender, reflecting shifts in culture, economy, and power relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5376. Local and Community History.
A seminar applying historical methods to the study of U.S. communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5377. Public History Project.
A team project focusing on one or more aspects of public history-museum exhibit, historic site interpretation, historic resources survey, etc. Repeatable with a different emphasis.
3 Credit Hours. 1 Lecture Contact Hour. 6 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5379A. Public History Final Master's Project.
This course will be the initial development of an individualized, advanced student project in cooperation with a client or host institution, focused on any one or a combination of the public history areas of historic preservation, archives, oral history, museums, local and community history or cultural resource management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5379B. Public History Final Master's Project.
This course, to be taken during the last year of the Public History program, is the continuation of an individualized, advanced student project focused on any one or a combination of the public history areas of historic preservation, archives, oral history, museums, local and community history or cultural resource management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5381. Chinese Communism.
The Chinese Communist movement from 1919 to the present. Will focus on (1) urban and rural aspects of Chinese Communism; (2) the rise to power of the Chinese Communist Party on mainland China in 1949; and (3) the construction of the Party-State and Socialism in the People's Republic of China.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5382. China and the Modern World.
This course examines Chinese relations with the modern world from 1800 to the present, focusing on the external aggression and internal transformation between 1839 and 1945; the split into two Chinas in 1949; the mainland China/Taiwan developments, interactions between the two Chinese governments and among the world community since then.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5385. Topics in the History of the Modern Middle East.
A seminar based on selected topics from current histories of the Middle East during the 19th and 20th centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

HIST 5390. Problems in Historical Research.
This course is open to graduate students on an individual basis by arrangement with the department. May be repeated with the approval of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5395B. Modern Middle Eastern History.
A seminar based on selected topics in the modern history of the Muslim Middle East.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395D. Interpretations of World History.
A survey of world history that focuses on Western civilization as the catalyst of change in world history since the tenth century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395E. Mahatma Gandhi in World History.
In this course students explore how writers have narrated Gandhi's life and interpreted his historical role. Students will research aspects of Gandhi's life using primary sources. The focus of the course will be the study of material left out of histories on Gandhi and reasons for omitted material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395H. European Colonialism.
This seminar examines the variety of European imperial and colonial experiences around the world from ancient to modern times through selected primary sources and historical literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

HIST 5395I. Global Cold War.
This seminar will survey literature characteristic of the "new" Cold War historiography, and introduce students to primary sources available at Alkek required to write valuable original work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

HIST 5398. General Research Seminar.
A seminar designed to enhance research and writing skills in history. May be repeated for credit as topic varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in History 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

HIST 7372. Practice of Museum Studies and Public History.
This course addresses the history, organization, and functions of history museums. Students will consider issues of representation and contestation, authority and voice in collections and interpretation, and will address practical approaches to curation, exhibit development and assessment, and the visitor experience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

HIST 7373. The Practice of Historic Preservation.
This course focuses on major aspects of the field of historic preservation including the history of the preservation movement, the National Register of Historic Places, federal regulations, historic properties and districts, American architectural styles, urban preservation, landscape preservation and cultural landscapes, preservation design, preservation technology, heritage interpretation, and preservation law.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Honors (HON)

HON 1390C. Greek Civilization: The Trojan War and the Western Imagination.
The course will introduce students to Greek civilization and its impact on the western world by examining how one theme central to the Greek literary imagination-the Trojan War-influenced the development of later western literature. The course studies major texts in the Greek literary canon. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 1390D. Ideal Societies I: The Greek Experience.
Culture and Civilization in 5th century Athens. The Greek Experience: towards a new vision of human nature and of society. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 1390F. Economic Thinking: Personal Values, Social Choice & Rational.
This class explores the sociological and philosophical effects operating in conjunction with economic decision-making. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 1390H. Understanding Communication & Technology.
The course is designed to focus on skills, research and theories about the relationships bwtween technology and communication behavior. It teaches face to face communication skills in the contemporary technological environment. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 1390I. Role of the Storyteller in Society: Promoter, Protector or Provcateur.
The course focuses on the role of the storyteller from ancient times to the present. Students will cultivate an appreciation for the oral tradition in the shaping of history, cultural identity, social mores and personal values. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2301A. Writing to Change the World.
This course examines communication through writing to promote positive change in the world. This course will enable students to communicate their own arguments appropriate to the subject, occasion and audience. Students will choose a global issue on which to focus their writing, and perform related community service. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Communication Core 010|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2301B. Writing Yourself into Academia: Creating Portraiture.
By studying a person, a group of people, an institution, or a concept, students will create carefully researched written "portraits" that integrate personal narrative, interviews, and academic research. Students will communicate their own arguments and develop ideas about the effect of the message to foster understanding and to communicate persuasively. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Communication Core 010|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2302A. Elementary Number Theory.
This course engages students in the systematic study of problems in elementary number theory using definitions and logical deductions from these definitions. Emphasis will be on developing critical thinking and applications to modern problems. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2302B. Graph Theory and Applications.
This course engages students in the study of important topics in graph theory through it's applications and through proofs designed to strengthen mathematical techiques. The course will emphasize developing critical thinking and applications to modern problems. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2303A. Teaching Physical Science to Children.
Course content includes both physics concepts and research findings on physics teaching and learning. Students will develop a deep understanding of fundamental concepts in physical science and how these concepts relate to making sense of everyday experiences. This studio-styled physics course is ideal for pre-service K-8 teachers. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2303B. Astronomy in Art, History, and Literature.
In this class, students will combine astronomy and the humanities. They will create computer simulations of past celestial events. These results will be combined with evidence gathered from primary sources to investigate how astronomy affected history or appeared in the historical art or literature. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2303C. Building a Greener Future: One Home at a Time.
Students will use basic scientific principles to investigate resource usage in our daily lives from the production of electrical energy and construction of housing to daily consumption including HVAC systems and major utilities. Students will compare energy conservation programs across the globe and evaluate how public policy effects energy consumption. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2303D. Everyday Biology.
This course provides the non-science major with a strong foundation of scientific methods and basic biological concepts. Special emphasis is placed on reviewing biological concepts relevant to everyday life (both current and future) including disease, evolution, genetics, biotechnology, diet, and environmental biology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2304A. The Meaning of Death.
By examining the moral and existential questions raised by our own mortality, students in this course will practice critical thinking and examine the variety of human responses to and understanding of death by focusing on how ideas, values, beliefs, and other aspects of culture express and affect human experience. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lang, Phil & Culture Core 040|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2304B. Eating Animals in America: Historical and Philosophical Perspectives.
This course examines the changing nature of, and views about, the production and consumption of animals in America from the 18th century to the present. The course will focus on the ethical and philosophical issues raised by eating animals. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lang, Phil & Culture Core 040|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2304C. Nonviolence and Sustainable Social Change.
This course examines nonviolence as the systematic endeavor to break cycles of violence, poverty, and racism. The course will focus on investigating the ongoing force of such cycles and to formulate effective understandings for subverting and reversing such trends to offer productive contributions toward more sustainable human development. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lang, Phil & Culture Core 040|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2305A. African American Popular Music: Society, Politics, and Culture.
This course is a reading-, writing-, and listening-intensive interdisciplinary survey of African-American popular music in America and its relationship to American culture, society, politics and the other arts. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2305B. Women and Texas Music.
This course examines the lives and creative contributions of Texas women composers, performers, historians, and patrons, and their roles in the promotion and advancement of the arts, especially music, in Texas. This course will address topic-related issues of class, race, and identity formation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2305C. Italy and Arts of the Islamic World.
This course focuses on the interpretation of art in its historical context, introducing students to visual analysis and art historical interpretation to understand related scholarship exploring the relationship of Italy to the Islamic world in the medieval and Renaissance periods. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2305D. Honors Creative Arts.
Students in this course develop broad familiarity with creative arts disciplines through project-based learning. Each project is rooted in a "real world" challenge familiar to the disciplines of art, music, theatre, and dance. To propose a tractable solution, students consult with experts and evaluate significant cultural-historical artifacts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2306A. American History Through Memoirs.
Through studying memoirs this course focuses on American history since the end of the Reconstruction period. The memoirs, depicting interactions among individuals, communities, states, the nation, and the world, provide an understanding of how these interactions have contributed to the development of the United States and its global role. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): American History Core 060|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2306B. Baseball and the American Experience.
This study of baseball focuses on American history since the end of the Reconstruction period. As a testing ground for the persistence of racial prejudice and the expansion of civil rights, and with advances in technology and management structure, the study of baseball will expose the American experience. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): American History Core 060|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2306C. America in the 1960s: A History of Movements and Ideas.
This course in the history of American social and protest movements from the end of Reconstruction through Occupy focuses in particular on the movements of the 1960s - the Civil Rights Movement, the New Left, the Women's and Homosexual Liberation Movements, and the Counterculture - and their enduring legacies in contemporary society. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): American History Core 060|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2306D. Witches, Whores, Murderers & Thieves: Capital Crime in Early America.
This course is an in-depth investigation into the social and legal culture of Early America through the study of microhistories. In this course, we will concentrate on a series of capital crimes, ranging from murder to witchcraft. The period will be the 17th century through 1850. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): American History Core 060|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2306E. Early American History Through Biography.
This course will examine early American history, from colonial times through 1877, through the lens of biography. Students will not only read biographical works on past figures but also analyze autobiographical writings that shed light on their lives. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): American History Core 060|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2306F. Rethinking American Exceptionalism.
This course introduces students to the major political, economic, social, intellectual, and cultural developments in American history through Reconstruction with a special emphasis on the origins and evolution of the tradition of American exceptionalism. Students will evaluate America's national ideology through an analysis of primary source documents and scholarly debate.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): American History Core 060|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2307A. Democracy in America.
This course is a study of functions performed in the American system of government, understood through the framework of Democracy in America, Alexis de Tocqueville's seminal study of American social and political life, the nature and distinctive character of modern democratic societies, and the problems and perils these societies confront. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Govt/Pol Science Core 070|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2307B. Contemporary Issues in American Politics.
In considering conflicts between liberty and equality with emphasis on how these principles are defined within the American system of constitutional, students will examine literature addressing race, gender, class, and sexuality in relation to events such as national elections, and to works in modern and contemporary political thought. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Govt/Pol Science Core 070|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2308A. Economic Anthropology.
This course covers central issues in economic anthropology including the production, exchange, distribution, consumption, property, economic surplus, inheritance, and types of economic structure in various cultures. Materials will cover hunter-gatherer societies, simple agricultural societies, pre-capitalist complex state societies, and issues of development in non-industrial countries. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309A. Origins of Civilization.
By studying literary, mythic and philosophical works selected with special attention to narratives about the origins of humanity and civilization, students will encounter a variety of explanations of human existence. The course will broaden students' perspectives and provide insight into the background of contemporary world cultures. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309B. Re-Humanizing Communication.
This course examines technology's impact on human communication. Students will examine their dependency on technology in order to re-humanize communication. Students will learn to express ideas through the development of interpersonal, small group, and presentational communication skills, developing command of oral, aural, written, and visual literacy in appropriate contexts. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Communication CAO 091|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309C. Great Ideas: Humanities I.
By studying classical foundational texts in Western culture from interdisciplinary perspectives, students will understand the origin of great ideas and relate them to today's world. Texts are chosen around a particular theme by a team of instructors to focus on the earliest recorded works up to the Renaissance. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309D. Magic Realism in the Works of Gabriel Garcia Marquez.
A study of selected works of Nobel Prize author Gabriel Garcia Marquez, this course offers unique insights into Latin American culture, filtered through the literary and journalistic vision of Colombia's world renowned author. Additional readings and films emphasize the complex nature of the Latin American culture and literature. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309E. Preserving Humanity in the Face of Conflict: The War Story Genre.
This course provides students the opportunity to consider the human impact of several global conflicts that have occurred over the past forty years by focusing on novels, short stories, essays, and a memoir written about post-World War II conflicts in Vietnam, the Balkans, Iraq, and Afghanistan. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309F. CS Lewis: Chronicles of a Master Communicator.
This course uses the writing and life of C.S. to examine communication theory and principles. Lewis's work as a speaker, teacher, broadcaster and educator provides a comprehensive body of work that students can evaluate as they master and apply rhetorical and communication theories. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Communication CAO 091|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309G. Nature and the Quest for Meaning.
The class focuses on American nature writing to recognize how authors communicate about nature. Students will examine the ways in which human beings experience the natural world - as an object of study, as a reflection of themselves and as a lens to look for meaning in their lives. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309H. Great Ideas: Humanities II.
By studying foundational texts in Western culture from interdisciplinary perspectives, students will understand the origin of great ideas and related them to an understanding of today's world. Texts are chosen around a particular theme by a team of instructors to focus on works from the Early Modern period to the present. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309I. Plotting the American Experience.
An in-depth critical study of plot in major contemporary American novels and stories from the last 20 years, both as a driving force in the works and as a reflection of the American moment in which each was written. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309J. Memoirs from Lives off the Neurotypical Map.
To understand the growing neurologically differently abled/disabled, -ordered, and mentally different/ill population and our perceptions of them and ourselves, we will analyze memoirs and aesthetic works by this true fringe group and consider what being fundamentally different means, and how labels affect people in and out of the neurotypical majority. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309K. The Death Plot: Fiction, Memoirs, Poems.
Students will read, discuss, and write about poems, fiction, and essays to analyze the end of life. Analysis will encompass literary, sociological, and psychological perspectives on death. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309L. Communication and Consumer Culture.
This cultural study of the turn of the twentieth century in America focuses on advertising and popular cultural messages. Students will analyze the new culture of consumerism as they develop knowledge about communication theory and strategies and practice their own communication skills. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Communication CAO 091|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309M. From Jay-Z to Kendrick Lamar: Politics, Power, and Identity in Hip Hop Literature.
Students will read, discuss, and write about the poetry of Jay-Z and Kendrick Lamar along with other texts to analyze the artists' political engagement, power to effect change, command of language, and struggle with identity formation. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309N. Don Quixote and the Birth of the Modern Novel.
An in-depth study of 16-17th century Spanish, medieval, Renaissance, and Baroque ideas, values, and culture in the study of Cervantes' Don Quixote, the first truly modern novel. Students will examine the novel's literary antecedents and its reception through the twenty-first century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309O. Talking Like TED.
This course develops presentational speaking and storytelling skills through the lens of TED Talks. Students will view and discuss well-received TED Talks and practice the verbal and nonverbal behaviors related to effective communication. This course also focuses on interpersonal and small group communication skills related to presentational speaking.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Communication CAO 091|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2309Q. Honors British Literature.
Students will read and analyze representative authors and works from British Literature. The course examines works in historical, social, and cultural context as a record of human experience. Courses employ a variety of teaching methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Lang, Phil & Culture CAO 094|Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2380F. Introducatino of Complementary/ Alternative Medicine.
The course introduces students to complementary/alternative medicine (CAM) and its integrate with the traditional health care system. Emphasis is placed on historical, cultural, social, research and consumer aspects of CAM. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2380H. Building a Greener Future One Home at a Time.
This course will focus on the science and engineering principles involved in building and maintaining a house. Students will investigate how choices of materials and design influence the cost, sustainability, and energy efficiency of housing. Laboratory experiences will develop these concepts and enable students to make common household repairs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2380J. Applying Statistics to Your World.
This course engages students in active learning through statistical software, research studies, and simulations. Students will explore the elements of statistical thinking by collecting, modeling, and drawing conclusions from data while taking into account the nature of variability. Emphasis will be on engaging with real data and understanding statistical conclusions. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2390F. History of Ideas II: New England Roots of American Culture.
An examination, through reading of significant works as well as a trip to important sites in New England, of the roots of American culture as it was influenced by the Puritans and Transcendentalitsts. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2390K. An Introduction to Arab Culture.
This course will focus on educating students about different aspects of the Arabic culture. The relation between the Arabic language and the Arabic culture will be introduced through the discussion of cultural expressions. The course will also touch on the relation between the culture and Islam for the students to be able to differentiate between what is cultural and what is religious. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2390L. An Introduction to to Islam.
This course will focus on educating the students about basic history and cultural practices related to Islam, the prophet of Islam and Islam's holy book, The Koran. It will also focus on the relationship between the Arabic language, the Arabic culture and Islam so the students will be able to distinguish between what is cultural and what is religious. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2391B. Role of Images in Mediating Reality.
This course teaches students about subconscious influences on their perceptions of reality and their behavior, and the fundamentals of visual literacy by introducing students to visual literacy. Seeing is an avenue to higher-order thinking processes that will help students meet the professional, cultural and personal challenges of media. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 2391P. Spirituality and Religion: A Contemporary Global Perspective.
This course examines spirituality and religion as a universal component of human life, explores the world"s major faith traditions, investigates personal and cultural biases to allow students to expand their global perspectives. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3380A. Design Thinking and the Art of Product Development.
Students will explore the use of design-thinking and human-centered design methods for developing new products and services. The course will focus on techniques and methods to articulate problems from a customer's point of view and will also explore contemporary methods organizations use to manage product portfolios and risk management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3380B. Idea Lab: Redesigning the Campus Experience.
In this problem-based seminar, students become active change agents by utilizing design-thinking and other pedagogies to address specific challenges impacting the campus experience. Design-thinking draws upon diverse disciplines and methodologies, takes a human-centered approach to problem solving, and asks students to "prototype to test." All majors and backgrounds are welcome.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3390H. Nature of Society: The Problem of Evil.
The course will consist of a study of arguments and counterarguments about whether it ia reasonable to believe in an all-knowing, all-powerful, and all-good God, despite the appearance of gratuitous evil. All major attempts to solve or dissolve the problem will be considered. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3390J. The Nature of Society: Don Quijote and the Birth of the Modern Novel.
An in-depth study of Cervantes' Don Quijote, its literary antecedents, and its reception through the twentieth century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3390K. Modern Democracy & Its Enemies.
This course will focus on the key characteristics of 21st century democracy and the internal and external threats that challenge its health and continued existence. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3390P. Hollywood Amnesia.
The course is designed to focus on films involving the topic of memory loss. Students will analyze the phsychological, social and political considerations underlying this trend in time. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3390T. Frederico Garcia Lorca: Politics and Passion.
Life and works of 20th century Spanish playwright and poet as a focal point for study of Spanish history, Andalusian folklore, gender and society, and literary styes. Themes are Spanish Civil War, gypsies and Flamenco music, surrealism and oral poetic traditions. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3390X. Investigating European Film: From Cultural Politics to Strategies of Desire.
This course examines the vision of the United States that European filmmakers developed. Course topics will include the American myth, the figure of the star, the status of the foreigner and the identity politics supported by film production. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Multicultural Content|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3390Y. Theory of Language: Language, Mind and the making of Reality.
The course is designed for students to gain an understanding of psycholinguistics, providing insights into human cognition and how the mind creates meaning through study of syntax, semantics, pragmatics and metaphors. The course seeks to find universal principles of cognition that make human language and communication possible. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Multicultural Content|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3391B. The Nature of Man: Shaping of the Modern Mind.
This course explores the ideas and institutions that have created our modern conception of the world. The course examines the importance of industrial change, our interest in science and technology, the insights of the social sciences, and new philosophies about human kind and the human condition. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3391W. Service Learning: A Study Abroad Course.
This study abroad course will center on students' experiences volunteering with non-profit and/or government institutions abroad. Discussions and written assignments will provide opportunities to analyze the volunteer experiences. Field trips will provide cultural components to add to the discussion and written assignments. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392M. The New and Literary Journalism.
The new literary journalism examines the genres of the new and literary journalism in light of literature; certain eras in reportage, i.e., war dispatches, philosophy, and the social sciences, among other disciplines. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392N. Modern Organizations' Perspectives.
The course provides a conceptual and practical perspective on Modern Organizations. It is designed to stimulate the student's curiosity about management practices of companies pursuing a competitive advantage through modern philosophies, and to identify potential areas to apply their chosen field of study. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392P. The Nature of the Human Experience: Technology & Gender in Film.
Gender and Technology in Film will include a survey and analysis of films and theoretical and literary texts, with a focus on how gender, technology, and body images are depicted in film. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392R. Teaching Children to Write Poetry.
A study of books by Kenneth Koch describing his work and lessons teaching poetry to children for the past 30 years. Students will examine his ideas about the importance of teaching poetry to children, using classical poetry as well as lessons that draw forth a creative response from children. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392T. The Nature of the Human Experience: Integrated Marketing Communications.
Integrated marketing communications is an interdisciplinary course designed to acquaint students with the principles and practice of integrated marketing communications. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392V. Nature of Man: Elementary Number Theory.
This course is the systematic study of problems using definitions and logical deductions from these definitions. Elementary number theory provides an ideal medium for such a study since all basic types of mathematical proofs occur in a setting requiring no prior background. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392X. The Nature of the Human Experience: The Contemporary African Novel in English.
Novels by contemporary African writers from West Africa, East Africa, and Southern Africa will be read and discussed. The class will also study the effects of colonialism on traditional African cultures. Students will consider problems of language in the African novel. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3392Y. The Nature of the Human Experience I: Immortality.
Is it reasonable to believe in life after death? The course will consist in attempts to answer this question with rational arguments. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3393F. The Nature of Man: Communication & Culture.
This course is a cultural study of the turn of the twentieth century, with a focus on a critique of advertising and popular culture messages that communicated the new culture of modernism to an America in transition. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3393J. Sex, Drugs & Cabaret.
This seminar considers European life in the years around 1900. Students will examine "high" modernism's themes, including: Urban experience, nationalism, anti-semitism, and explorations of sexuality in social science, law and the arts. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3393N. Violence in American Culture.
The study of the life, times and thought of geniuses, focusing on the origin and evolution of their ideas and works and its effect on culture and civilization. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3393S. Entrepreneurs, Leaders, Teams: Best Practices.
Writing Intensive seminar examining the "life stories" of selected entrepreneurs, identifies leadership qualities that may have contributed to success, and explores principles necessary for groups to become teams and for teams to become high performing. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3393T. The Voices of Eros in Poetry.
This writing-intensive seminar examines erotic reality through the most private and intense verbal art - the poem. It explores philosophy, visual arts and religion in poetry. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3393V. Science & Politics of the Human Diet.
This writing-intensive seminar on nutrition provides an exciting and personally relevant venue for learning science. Learning is based on scientific literature, dietary assessment, field trips and experimentation in a food science lab. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3393Y. Ethics of Care - East and West.
This course compares contemporary western feminist ethics and ancient eastern thoughts regarding care. Each stresses personal relations, and high moral value placed on care. The course is interdisciplinary and studies gender and multicultural issues through a focus on care giving. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394C. Japanese Urban Experience.
This course introduces students to urban Japanese life and culture through history, anthropology, literature, and film. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394G. Jazz: Cultural Diversity, Psychological & Political Zeitgests.
This course is intended to help students appreciate cultural diversity and common unifying experiences leading to jazz, a uniquely American musical form. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394I. East Asian Tourism Today: Invention, Culture & Heritage.
This course uses several disciplines to introduce students to the dynamics surrounding tourism in East Asia at the opening of the 21st century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394J. Disturbing the Peace: The Politics of Language & Power in Hip-Hop Culture.
This course introduces students to the language, film, literature, fashion, identity, and politics of hip-hop culture. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Multicultural Content|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394N. Introduction to the Humanities I.
This team-taught, interdisciplinary course examines the dilemmas that arise when indivdiual desires conflict with the needs of society. Students analyze exemplary, original texts from the humanities tradition from the Classical period through the early modern era using the perspectives of literature, political theory, history, and philosophy. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394P. Individuals & Society: Intro to Humanities II.
This interdisciplinary course examines the dilemmas that arise when individual desires conflict with the needs of society. Students analyze exemplary, original texts from the humanities tradition from the Enlightenment through the present using the perspectives of literature, political theory, history, and philosophy. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394Q. Modern Drama: Theatre of Revolt.
This seminar and process-oriented course examines the era of modern drama (late 19th-20th century) through text and performance. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394R. Modern Art & Life: A Curatorial Seminar.
This interdisciplinary course examines the intersection of art and life in the careers of artists who contributed to the birth of modern art. Students will learn about modern art's history and museum operations as they help to curate a major exhibition based on works in a local collection. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394T. Social Class Collison: the Post WWII British Novel of Manners.
Using six novels, this course explores the social landscape of Britain when once-rigid class distinctions dissolved during WWII. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394V. Universal Human Rights: A Global Perspective.
This course will examine universal human rights as an organizing framework for understanding the exceedingly complex global community in which we live today. It will examine significant social, political, philosophical, historical, legal, economic, geographic, and cultural factors that impact universal human rights. It will provide an overview of the challenges in implementing universal human rights, explore effective efforts to redress inequity, and examine opposing viewpoints. Finally, it will encourage students to engage in a critical intellectual inquiry and personal self-reflection. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394X. Magic Realism in the Works of Gabriel Garcia Marquez.
A study of selected works of Nobel Prize author Gabriel Garcia Marquez, focusing on literautre, history, politics and popular culture of Latin America. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394Y. The Quest for the Sacred in a Secular Age: Late-Modern Novels.
The Protestant Reformation weakened the notion of a homogeneous, central religion, as did the theories of Charles Darwin and Sigmund Freud. Yet the sense that God was no longer a collective concept but a private belief didn't seem mainstream until the twentieth century. We will study five novels that explore this shift. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3394Z. The Black Image in Postwar America.
This course explores the complex ways in which blackness has been figured and represented in postwar American as well as some of the strategies that have been used to respond, intervene, and subvert these frequently monolithic representations. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395B. Integral Ecology.
This course explores multiple issues associated with the development of integral ecology, an emerging metadiscipline rooted in a perception of reality that goes beyond traditional scientific rationalism to an intuitive awareness of the oneness of life, the interdependence of its multiple manifestations, and its cycles of change. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395C. Fibers to Fabric: the Interlacing of History, Science, and Technology.
This course focuses on the role of fiber products in the development of civilization and technology. Through interdisciplinary investigations, the course seeks to provide an in-depth understanding of fiber science and place current technological, social and environmental issues surrounding textiles in historical perspective. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395F. Museum Representaions.
This course explores how cultural and aesthetic values, history, and the scientific record are constructed and interpreted by the process of representation in museum exhibits. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395G. 19th Century German Lieder.
This course explores the poetry and the music of Lieder to propose text-music relationships. This course will explore the genre--its history, primary composers, and its continuing tradition into the 20th century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395H. Creating and Teaching Mathematical Lessons.
This course provides students the opportunity to create and teach mathematical lessons for children that integrate algegra and geometry -- building their own mathematical understanding using inquiry based methods. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395I. Ever Since Darwin: Celebrating Darwin's 200th Birthday.
This course explores Darwin's quest in arriving at the theory of natural selection, his reasoning and evidence, as well as flaws and fallout. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395J. The Meaning of Death.
How does the fact that we will die affect the possibility of our living a meaningful life? In this course we will examine answers to this question provided by philosophers, psychologists, literary writers, and film-makers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395L. Summer Study in France.
Summer Study in France offers an intensive 35 hours a week, integrated program of oral and written French, phonetics and civilization, designed for intermediate students and supplemented with cultural activities. In addition, a week in Paris introduces students to the French architectural and artistic legacy. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395M. Humanity and the Natural Environment: A Study of Interrelationships.
An interdisciplinary introduction to the interdependence between humans and their natural environment, emphasizing linkages between human activities and their impacts on environmental resources and sustainability, including the ecosystem goods and services provided by a healthy environment. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395P. Preserving Humanity in the Face of Conflict: the War Story Genre.
This course provides students the opportunity to consider the human impact of several global conflicts that have occurred over the past forty years by focusing on novels, short stories, essays, and a memoir written about post-World War II conflicts in Vietnam, the Balkans, Iraq, and Afghanistan. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395Q. Vishnu, Bollywood, and Masala: South Asian Literature in Context.
This course explores the culture of South Asia via its highly provocative literature, including religious texts such as The Bhagavad Gita, as well as contemporary texts by writers such as Salman Rushdie and Manil Suri. We will contextualize our literary discussions by examining the region's history, religious history, religions, and culture. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395R. Hip-Hop Culture and Positive Youth Development.
Hip-Hop culture is examined within the context of human development over the life course. Cultural dynamics are examined alongside the social and political history of the United States. Through the lens of Hip-Hop, students will use skills in reflection, discussion and creative expression to develop strategies for personal growth and well-being. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395S. Geographies of the Holocaust and Genocide.
This course examines the Holocaust as a complex historical event and frames the Holocaust in the context of, and in comparison to, other genocides. The course is explicitly geographical in methods and subject matter, focusing on how the Holocaust and genocide are planned, implemented, and experienced differently in different places.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395V. Introduction to LGBT Studies: An Interdisciplinary Approach.
This course is an introduction to LGBT Studies, combining three academic disciplines: social, political, and historical; drama and fine arts; and English and Queer Theory. These disciplines will be integrated throughout the semester to assist student in developing a perspective of local, national, and global LGBT themes and issues. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395X. Writing Yourself into Academia: Creating Portraiture.
Portraiture is a cross-genre research methodology in which writers study a person, a group of people, an institution, or a concept. Students will create carefully researched portraits that integrate personal narrative, interviews, and academic research. Portraiture values students' lived experiences and has roots in anthropology, sociology, journalism, and creative nonfiction. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3395Y. Juke, Twang, and Shout: Popular Music and Race in the U.S. South.
Amongst the genres of American popular music, styles heavily associated with the U.S. South tend to predominate, and the history of each seems to be entangled with that region's contentious racial history. This course will engage the history of musical production and performance in the South while also examining the hagiography of the South, its music, and its people. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396B. Playwriting: A Structured Approach to Writing for the Stage.
This course develops the basic professional techniques and skills used in writing for the theatrical stage. Students analyze scripts and perform practical exercises in story and character development, study dramatic play and structure and develop a full-length dramatic play. Weekly readings and critiques assist writers in refingin their scripts. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396C. Screenwriting: A Structured Approach to Writing for the Screen.
This course develops the basic professional techniques and skills used in writing for the screen. Students analyze contemporary scripts and perform practical exercises in story and character development, study screenplay structure and format, and develop a full-length dramatic screenplay. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396D. Mythology, Science and Creation.
Using religious studies scholarship on myth, the course surveys creation mythologies from around the world. Native American, African, Near Eastern (including Biblical), Greco-Roman, Old European, and Asian Myths will be included. Cosmological myths will then be compared to scientific cosmology and the current model(s) of the Universe's origin. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396E. Free Speech, Free Press and the Supreme Court of the United States.
This course focuses on U.S. Supreme Court decisions related to the First Amendment and the five rights of religion, speech, press, assembly and petition. By examining how the high court has interpreted the First Amendment, students will learn about government's sometimes wavering commitment to our nation's most cherished rights. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396F. The Art of Storytelling: From Origins to Improv.
This seminar examines the art and culture of storytelling from ancient to contemporary times. Students read and analyze stories from oral and written traditions and develop skills in creating and applying storytelling in social, business, political and entertainment environments. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396J. Transforming Creative Art: Literature in Performance.
This seminar/workshop course examines the process of transforming literature into performance. Through close reading and analysis, students develop a critical understanding of the literary, sociological, and cultural attributes of a written work, and then develop approaches to transforming and presenting the work in performance-readings, dramatic productions, movies, improvisations. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396K. Hispanic Americans: Finding Their Identities and Their Voices.
This course is an examination of critical moments in American social history that defined the Hispanic American social, political, educational, literary, and cultural experience, and how these experiences continue to impact Hispanic American identities and voices. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396L. Early American History through Biography.
This seminar will acquaint students with major issues and events in early American history through the study of biography and autobiography. Students will study the lives of the individual, both prominent and lesser-known, from the American past, and these lives will be examined in the context of the larger historical narrative. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396M. Transforming Creative Art: Literature in Performance, Presenting Later Shakespeare.
This seminar/workshop series examines the transformation of literature into performance using three examples from Shakespeare's later plays. Through close reading and analysis, students develop a critical understanding of literary, sociological, and cultural attributes of written works, and then develop approaches to transforming and presenting the works into dramatic performances. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396N. American History Through Memoir: From the End of Reconstruction to the Present Day.
This seminar offers participants engagement with recent American history through the study of memoirs from a broad range of viewpoints. Seminar participants will be responsible for providing contexts for teh readings from within the secondary literature, while the featured memoirs will relate recent American history "from the margins": including voices of Native peoples, African-Americans, political and cultural dissidents, and recent immigrants. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396Q. Public Policy for Energy, the Environment, and Global Sustainability.
This course provides an interdisciplinary introduction to U.S. policy for energy, the environment, and sustainability. Emphasis will be placed on understanding the laws, regulations, and treaties that oversee air and water pollution, solid waste, hazardous waste, energy use, natural resources, climate change, and global governance for energy, environment, and sustainability. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396R. Sustainable Design and the Built Environment.
This course examines contemporary issues of where we live and the interdependence of our home on the environment. Sustainable principles shall be emphasized with reference to social, economic, and ecological issues of the built environment. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396T. How We Decide: Making Decisions from the Inside Out.
This interdisciplinary seminar enlightens students on the decision-making process using contemporary research from neuroscience, psychology, management, healthcare, etc. From this foundation students will examine case studies at the individual, group, and societal levels, and they will evaluate a cross section of decision aids such as heuristics, ethics, and computers. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396U. From White Slavery to Sex Trafficking.
This course seeks to historicize the global migration of sex workers and the modern-day anti-sex trafficking movement by tracing the origins of the anti-white slavery movement in the late nineteenth century to the debates about sex work and sex trafficking of the twenty-first century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396V. Witches, Whores, Murderers & Thieves: Capital Crime in Early America.
This course is an in-depth investigation into the social and legal culture of Early America through the study of microhistories. In this course, we will concentrate on a series of capital crimes, ranging from murder to witchcraft. The period will be the 17th century through the Age of Jackson. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396W. The Dragon and the Spaceship: Fantasy, Utopia, and the Fiction of Estrangement.
This is a course on world literature that looks specifically at otherworldly literature, including works frequently categorized as fantasy, utopia or dystopia, and science fiction. We will look at mostly modern texts written after 1800, with an emphasis on twentieth-century writers. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396X. Storytelling in Video Games.
This course will examine how stories are crafted to fit the new interactive media of video games, how these new stories resemble traditional stories from the literary canon, and how these unorthodox plots, characters, and games are used to create a new form of literature. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396Y. Urban Horticulture.
This course introduces the role urban landscape and the regional environment play in the quality of life. Students will consider commercial products, services of Horticulture, and people-plant interactions related to art, science, and practice. Students will learn the importance that land use decisions have on the sustainability of the environment. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3396Z. Eating Meat in America: Historical and Philosophical Perspectives.
This course has two aims: first, to introduce students to the changing nature of, and views about, the production and consumption of animals in America from the 18th century to the present; second, to introduce students to the philosophical issues that eating animals raises. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397A. Revolution, Malaise, Reaction, and Sleaze: America in the 1970s..
This course revisits the reputation of a decade. Many recent commentators have claimed the Seventies as a pivotal historical moment. We will engage questions regarding why this is so, and how an understanding of the 1970s helps us to orient ourselves in the contemporary political, economic, and cultural milieu. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397B. Plotting the American Experience.
This course is an in-depth critical study of plot in major contemporary American novels and stories (1985-present), both as a driving force in the work(s) and as a reflection of the American moment in which each was written. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397C. Geography of Africa.
This course is a systematic approach to the multifaceted aspects of the physical and human geography of the African continent. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397D. Urban Immersion: Seeing Cities through Cinema.
This course explores themes in urban studies using full-length films and selected readings. Students will study the geo-political, economic, and socio-cultural dimensions of cities. Using cinema as a pedagogical tool immerses students in the urban experience more than traditional instructional methods, resulting in a richer understanding of the subject. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397E. Literary Barcelona.
With Franco's 1939 victory, the Catalan language was banned from public use. This course will explore the undeservedly disadvantaged work of modern Catalan writers, and investigate texts, such as George Orwell's Homage to Catalonia, which stress Catalan social realities and affirm Barcelona as a place of literary imagination and vitality. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397F. America vs. the World: The History of a Love-Hate Relationship.
This course explores the complex relationship between America and "the rest of the world" through an examination of the twin discourses of "American Exceptionalism" and "Anti-Americanism" from the time of European contact with the New World up through the post 9/11 era. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397G. Memoirs from Life Off the Neurotypical Map.
To understand the growing neurologically disabled, disordered, and mentally ill population and our perceptions of them and ourselves, we will analyze memoirs and aesthetic works by this true fringe group and consider what being fundamentally different means, and how labels affect people in and out of the neurotypical majority. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397H. International Culture Course: the cultural characteristics and diversity of people outside the US.
This study abroad course will cultivate student knowledge of the similarities and differences among international cultures, values, traditions, beliefs, and customs. Discussions and written assignments will provide opportunities to understand the cultural achievements and human conditions of a specific target country. Field trips will provide experience of cultural components. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397I. A Cultural History of Mexico in the 20th Century.
This seminar will investigate the landscape of state and culture in the Republic of Mexico in the 20th Century and explore the creators, as well as the political supporters and detractors, of popular culture in terms of the fine arts, plastic arts, dance and theatre arts, poetry, music, literature, and photography. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397J. Extraordinary Leadership: Ownership and Influence.
This course is designed to elevate the performance of leaders. Students are challenged to develop their potential in seminar-style sessions covering leadership definitions, theory, frameworks, and the global application of skills. Students explore their behaviors, motivations, values, influences, and character in an effort to increase self-awareness and to think critically. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397K. The Search for Right and Wrong in Politics.
Using classic texts and works from literature and film, and current event videos, this course provides students with a foundation for understanding the intersection of politics and ethics and for achieving an understanding of how politics works. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397L. Economic Anthropology.
This course reviews central issues in economic anthropology, using both case studies and theoretical writings. Students will analyze production, exchange, distribution, consumption, property, economic surplus, inheritance, and types of economic structure. Materials will cover hunter-gatherer societies, simple agricultural societies, pre-capitalist complex state societies, and issues of development in non-industrialized countries. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397M. The Death Plot: Fiction, Memoirs, Poems.
A story or poem is finite. Life is too. When we arrive at its end, we hope to understand its meaning, or, as Peter Brooks said, "to connect ends and beginnings and make of the middle a highly charged field of force." Stories and poems about death provide this opportunity. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397N. Advanced Writing for Video Games.
This course will teach students to write for video games based on techniques learned from observation and study. The course focuses on creativity and flexibility, two traits essential to game writing, and students will develop a marketable design document for an original video game working in design teams. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397O. Walking: An Active and Interdisciplinary Investigation.
What has the act of walking meant historically and what does it mean today? What has been written about the experience of walking? What insights can walking with reflection bring? Students will explore these questions through readings in literature, history, and philosophy, and through art and the act of walking. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397P. Anti-Intellectualism in American Culture and Politics.
Hostility to science, experts, and "book learning" is a common impulse that shapes contemporary American culture and politics. In this course, we will explore how anti-intellectualism promotes notions about media bias, encourages belief in implausible conspiracies, and spurs hyperpolarized politics, among other topics. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397Q. Women and Texas Music.
This honors course examines the lives and contributions of Texas women composers, performers, historians, and patrons and their roles in the promotion and advancement of the state's music. Conducted in both lecture and class discussion formats, this course will address topic-related issues of class, race, and identity formation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397R. Demonology, Possession, and Exorcism.
People have believed in demons throughout Western civilization and continue to, despite advances in science and medicine. This course explores the social significance of demonology. What are the historical, psychological, political, and economic consequences of believing in demons? To explore such questions, students will examine demonology across cultures and employ a variety of disciplinary approaches. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397S. Human Language: its evolution, mental representation, and learning.
Readings and discussions will concern human language's evolution, its representation in the mind/brain, and its learning by native and non-native speakers. Topics will include: evidence for language in other species including homo neanderthalensis; whether human language is innately specified; and similarities and differences between first and second language acquisition. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397T. Psychology in Film.
In this course, we will identify and discuss psychological concepts in popular films from a variety of genres. We will address issues of conformity, consciousness, motivation, addiction and psychological disorders. The approach to the material will be interdisciplinary in nature with a special focus on modern behavioral neuroscience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397U. Quests for the Holy Grail.
The course surveys the Celtic and Christian sources of grail legends, the major medieval grail quests, and post-medieval appropriation of the grail quest. Primary sources shall be examined through the methods of literary criticism, anthropology, and religious studies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397V. Phonetics.
This course is an introductory overview of human speech sounds. It describes speech anatomy and pays particular attention to the description of the acoustic and articulatory properties of speech as it occurs in real time. Students will study articulatory, acoustic, and auditory phonetics. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397W. Alienation and Authenticity: In Search of the Modern Self.
The modern self must struggle constantly to perserve or create authenticity against the forces of alienation. This course will investigate the origins and varieties of alienation and examine how some of the Western tradition's greatest philosphers, artists, and poets have dissected the "modern condition" and dreamed of rising above it. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397X. Nueva York: Hispanic and Latino Literature and Art in New York.
This course offers an inter-American multidisciplinary approach to Hispanic and Latino writers and artists in New York City from the late nineteenth century to the present. Topics include exile, migration, identity, bilingualism, and civil rights through a variety of literary genres, artistic forms, cultural organizations, and academic disciplines. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397Y. Deception, Risk, and Science Ethics of Research with Human Subjects.
This course introduces the key ethical concerns related to human subject research. Students will analyze research projects in which scholars place individuals at risk in the interest of reaping some benefit to those individuals and/or society. A case-study approach will actively engage students in ethical decision-making. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3397Z. Makerspaces: Intersections of Art and Everything.
This course will examine multidisciplinary concepts applied within makerspaces and complete hands-on design projects using beginner-level do-it-yourself techniques, including "upcycling" recyclable materials, 2D subtractive manufacturing (i.e. CNC machines that trim acrylic, cardboard, vinyl), 3D additive manufacturing (i.e. 3D modeling, printing), textiles (i.e. embroidery, sewing), and electrical circuits (i.e. micro-controllers, sensors). (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398A. Italy and Arts of the Islamic World.
This course will challenge the traditional account of the development of Italian Renaissance art by exploring connections to Islamic culture of the surrounding Mediterranean world. Students will be introduced to visual analysis and interdisciplinary research techniques by which art and architecture can be used as documents in interpreting history. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398B. Modern Tibet: Politics, Identity and Representation.
This course examines the political, religious, economic, environmental and cultural situation of modern Tibet, by reading works by Tibetan, Chinese and Western scholars, and by analyzing propaganda and stereotypes. Students will be exposed to modern Tibetan literature, art, pop music and film, as well first-hand accounts by class guests. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398C. Theatre and War.
In "What It Is Like To Go To War", Karl Marlantes calls for ritual to aid young soldiers returning home. In this course students will analyze how classical and modern theatre can provide such a ritual, and be used as a tool to understand society's role in war. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398D. The Politics of Language in Schools and Society.
Using a critical linguistic perspective, this course examines the sociopolitical aspects of language in local, national, and global contexts. Students learn about language ideologies and gain a profound understanding for how languages and language practices are intricately tied to the racial and economic power relations embedded in schools and society. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398E. CIVIL LIBERTIES AM.
This course explores major civil liberties themes in depth, both historical and contemporary, such as religious free exercise, free speech and press, criminal procedure, capital punishment, right to privacy, equal protection (race and gender), due process, political participation, and disabiities rights. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398F. Anthropology of Peace and Violence.
The class explores anthropological perspectives on peace and violence. It focuses on understanding violent practices within both traditional and current day societies including everyday violence and warfare. It explores the contributions of social structure, gender, religion, race, and ethnicity to violence. It examines efforts to build peace and reconciliation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398G. Psychology and Law: Protecting the Vulnerable.
The course examines clinical, legal and psychosocial conditions of adults who, due to mental illness, developmental impairments, brain injuries or aging, are declared "incapacitated" and have court-appointed guardians. Students will serve as probate court representatives, (i.e., Court Visitors) who inspect living conditions/services for individuals under court-ordered guardianships (service learning component).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398H. Chinese Politics and Society through Literature and Film.
This course offers an overview of the main political and social developments in contemporary China through the cultural production of Chinese writers and filmmakers who, following the tradition of the Chinese literati of imperial times, became main characters in the modern Chinese political scene.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398I. The Aesthetics of Failure.
This course examines the role of failure as a creative and constructive part of life. We will consider failure across cultures and time periods, from various disciplinary perspectives, and through various media to define failure as more than the mere absence of success.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398J. The Body and Culture.
Today, the human body interrelates with ideas of identity, society, and fashion to become something that can be written and read. Focusing on writings and artifacts about the body’s cultural significance, we will attempt to define (or re-define) what our bodies mean to us and to society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398K. Art as a Way of Knowing.
Both art and science attempt to shed light on aspects of the human experience; yet modern society often presents these forms as dissimilar, merely opposites. In this course we will explore arts-based methodological research tools, and use artistic means in the process and presentation of social inquiry.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398L. Soccer: Local Stories, Global History.
A ball, a field, at least five people: elements which have evolved into a sports phenomenon, providing fodder for claims about national identity, and establishing the most watched activity ever. Soccer is too important to leave to the fans. This course investigates the institutions, aesthetics, and ideologies shaping the game.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398M. The Future of Work: Stratification, Low Growth, and Universal Basic Income in the 21st Century.
Economic changes such as continued workplace automation and markedly slower growth imply big changes in social stratification in coming years. This course explores work and stratification in light of the "jobless economy" thesis, recent proposals for a universal basic income, and related likely cultural consequences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398N. The Anthropology of Religion and Fundamentalism.
This course provides students with current and historical approaches to the anthropology of religion with a particular emphasis on fundamentalism. It focuses on the development of religious fundamentalism in different cultural contexts, geopolitical situations, and religious traditions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398O. Introduction to Statistical Genetics and Bioinformatics.
This is an interdisciplinary course with a focus on the analysis of genetics and bioinformatics data. This course will cover basic genetics, statistics, programming, and cutting-edge research topics on statistical genetics and bioinformatics. Students will have hands-on experience of analyzing different types of genetic and bioinformatic data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398P. Wild Nights! Wild Nights!.
A multidisciplinary study of the cultural, historical, and ecological significance of the night as revealed in poetry, fiction, and drama. The semester will begin with a historical study of the night pre-electricity, and will end with a consideration of the endangered nights of our post-electrical present and future.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398Q. Life Online: Epistemology, Ethics, and Culture on the Internet.
Increasingly, our lives are lived online. We communicate, learn, play and love on the internet. In this course, we investigate the epistemological, ethical, and cultural implications of this shift. Class discussion will focus on current internet topics ranging from fake news to the aesthetics and ethics of internet memes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398R. Culture, Medicine and the Body.
This course explores how the human body, functions of the body, and the practices of medicine and healing are situated and contextualized within cultural frameworks. Case studies cover body and health-related topics over the life course, from birth to death.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398S. Geography of Food and Agriculture.
The Geography of Food and Agriculture course will critically evaluate local and global food systems, considering the implications of varying forms of production and consumption and exploring topics related to sociocultural, economic, and environmental landscape change, the role of agriculture in both rural and urban places, and sustainability writ large.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398T. Dramatic Adaptation.
Dramatic Adaptation is a writing course where students will be adapting non-dramatic works into stage plays. The course will begin with an introduction of the dramatic form, with regards to adaptation, in both principles and structure. Students will then create and write their own adaptations for the stage. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398V. Philosophy, Politics, and Economics.
What are an individual's moral obligations to their community, nation, and world? How do governments and economic systems shape these obligations? Are capitalism and socialism really opposites? This course investigates these questions, and others, through the interdisciplinary study of "PPE," an emerging field that draws from philosophy, politics, and economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398W. The Mathematics and Statistics of Gambling and Sports Betting.
This course uses the scaffolding of gambling and sports betting to engage students in applied probability and statistical modeling. The course covers both descriptive and inferential methods. Topics include measures of central tendency, dispersion, and shape; probability and probability distributions; sampling distributions; estimation, hypothesis testing, linear models, and non-parametric analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398X. Language & the Body.
Linguistic anthropologists believe that language not only reflects but also shapes and creates our social worlds. This class will focus on how language shapes our embodied identities and our deeply held beliefs through exploration of linguistic, cultural, and medical anthropological research and that of related social sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398Y. The Creative Spark: Interdisciplinary Perspectives on Creativity.
From technology to the arts, the ideals of creativity and innovation are hotter then ever. But what exactly is creativity? This interdisciplinary course will draw on diverse perspectives (psychology, science, and arts) as we explore what it means to be creative and how to be more creative in our lives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3398Z. Political Ecology of Science Fiction.
Political ecology considers how power relations and politics, as a form of society and culture, influence environmental systems and management. This course applies the concepts of political ecology to science fiction case studies as a means to uncover latent human-environment interactions and explore similar processes in the real world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3399A. Balinese Music and Its Cultural Context.
This course examines the arts, culture and society of the island of Bali, Indonesia, with special attention to the practice and study of traditional musical forms and structures. The course also explores contemporary artistic trends and the impact of technology and tourism on the arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3399B. Language, Culture, and Education.
Students will consider the roles language and culture play in American education. Through converging scholarship from the fields of anthropology, language and literacy, and education, the course addresses relationships of power, knowledge, and identity in schools, as well as critiques of the effects of globalization, migration, and market-based approaches to schooling in the U.S. and international contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3399C. Comics, Cartoons, and Contested Racial Identities in U.S. History.
This course examines how comics have reflected, shaped, and challenged Americans' notions of racial difference from the nineteenth century to today. Along with reading recent scholarly books and articles, we will analyze a wide range of comics from various periods, tracking the interrelation of comics and larger patterns of U.S. race relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3399D. Hell Across Cultures.
Hell has a dual nature—existing as an afterlife, but always making commentary on its contemporary surrounding society. Using a variety of methodological approaches, this course explores the social significance of the idea of hell across a variety of religious traditions, including Buddhism, Islam, Christianity, Judaism, and popular culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3399E. From Africa to Texas: A Black Language Odyssey.
When different peoples speaking different languages meet and need to communicate, interesting things happen. Texas has several such populations, which have their own "new" ethnicities, languages, music and cuisine. This course will look at two of these groups, the Black Seminoles and the French Creoles, both originating in Africa, and both spoken today in Texas. It will also address the position of African American Vernacular English ("Black English") in the context of creole theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3399F. The Myths of Western Civilization: Decolonizing and Queering European History.
Spanning from antiquity, this course deconstructs the concept and history of "Western Civilization." Through the study of primary and secondary sources, students will consider how history can be written to include oppressed and marginalized voices while still attempting to understand the broad scope of European history and its legacy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3480A. Relativity and Quantum Mechanics for Non-Science Majors.
Principles of quantum mechanics and relativity will be discussed and analyzed including applications to theoretical problems and practical applications. The lab portion will teach basic electronics skills and allow students to perform classic experiments of modern physics. (WI).
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3480B. Building A Greener Future: One Home at a Time.
This course will focus on the science and engineering principles involved in building and maintaining a house. Students will investigate how choices of materials and design influence cost, sustainability, and energy efficiency of housing. Laboratory experiences will elucidate these concepts. (WI).
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 3480C. Teaching Physical Science to Children.
This studio-styled physics course is ideal for preservice K-8 teachers. Course content includes both physics concepts and research findings on physics teaching and learning. We will focus on developing deep understanding of fundamental concepts in physical science and how these concepts relate to making sense of our everyday experience. (WI).
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 4090. Honors Thesis.
This course is designed for students to pursue an independent project of research, study, or creative achievement to fulfill the thesis requirement for graduating in the Honors College. Students in this non-credit bearing version of a thesis course are often enrolled in a similar course in their discipline.
0 Credit Hours. 0 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Honors|Writing Intensive
Grade Mode: Standard Letter

HON 4390A. Senior Seminar: Thesis Development.
This course will assist Honors students by exposing them to a systematic study of contemporary research methods appropriate for research on their theses. Prospective thesis supervisors and library research facilitators will insure that participationg students understand both the mechanics and expectations of preparing an Honors Thesis. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 4390B. Honors Thesis.
A course designed to allow students in the Honors College to pursue an independent project of research, study or creative achievement, culminating in a paper, laboratory problem, field research problem or creative effort of some size and scope. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

HON 4391. Honors Independent Study.
Individual study under direct supervision of a professor for Honors credit. May involve field trips. This course may be repeated for credit but a student may not a exceed six hours of credit in Honors Independent Study. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Honors|Topics|Writing Intensive
Grade Mode: Standard Letter

Industrial Engineering (IE)

IE 3310. Project Management for Engineers.
Basic principles governing the efficient and effective management of engineering projects. Topics include project planning, scheduling, and cost estimation procedures. Prerequisite: ENGR 3315 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

IE 3320. Engineering Statistics.
Fundamentals of probability and statistical inference for engineering applications, probability distributions, parameter estimation, and hypothesis testing. Prerequisite: MATH 2472 or MATH 2473 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

IE 3330. Quality Engineering.
Quality assurance systems, quality costs, statistical quality control, and approaches for engineering quality into products and processes. Prerequisite: IE 3320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 3340. Operations Research.
This course teaches models in operations research including linear programs, the simplex method, duality theory, sensitivity analysis, integer programs, and network flows. The emphasis is in learning to recognize, formulate, solve, and analyze practical industrial problems. The course also teaches commercial mathematical programming languages. Prerequisite: CS 1428 and ENGR 3315 and MATH 3377 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 3360. Methods Engineering and Ergonomics.
This course is a survey of methods for assessing and improving performance of individuals and groups in organizations. Techniques include various basic industrial engineering tools, work analysis, data acquisition and application, performance evaluation and appraisal, and work measurement procedures. Prerequisite: IE 3320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4310. Statistical Design of Experiments.
Statistically designed experiments for engineering applications. Topics include analysis of variance, randomized complete designs, factorial designs, empirical models generated from controlled experiments, and response surfaces. Prerequisite: IE 3320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4320. Integrated Production Systems.
Basic concepts in the design and control of integrated production systems to include forecasting, inventory models, material requirements planning, scheduling, planning, and shop floor control. Prerequisite: IE 3340 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4330. Reliability Engineering.
Reliability of components and systems, reliability models, life testing, failure analysis, and maintainability. Prerequisite: IE 3320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4340. Optimization Techniques.
Mathematical modeling and computational methods for linear, integer, and nonlinear programming problems. Prerequisite: IE 3340 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4350. Supply-Chain Engineering.
The analysis of supply chain problems to include facility location, customer assignment, vehicle routing, inventory management, and the role of information and decision support systems in supply chains. Prerequisite: IE 3340 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4355. Facilities Planning.
Planning, design, and analysis of facilities. Emphasizes the principles and methods used for solving plant layout, facility location, material handling, automation, computer integration, and warehouse operations. Prerequisite: ENGR 3315 and MFGE 2332 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4360. Human Factors Design.
This course will emphasize the applications of human factors engineering to systems design. Prerequisites: IE 3360 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

IE 4370. Probabilistic Operations Research.
Probabilistic models in operations research to include queuing theory, simulation, and Markov chains. Emphasis will be placed on modeling applications to solve problems in industry and computing. Prerequisite: CS 1428 and IE 3320 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4390. Industrial Engineering Capstone Design.
Students form teams and apply industrial engineering principles to develop and implement solutions to industrial problems and/or systems engineering issues. Prerequisites: IE 3310 and IE 3330 and 6 hours from [IE 3360 or IE 4310 or IE 4355 or IE 4370 or MFGE 4396] all with grades of "D" or better. Corequisites: IE 4320 and IE 4350 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

IE 4392. Industrial Engineering Design I.
Student teams apply engineering principles and standards under realistic constraints to develop solutions for industrial problems and/or systems engineering issues. This course is the first part of a two-course sequence and is followed by Industrial Engineering Design II (IE 4393). Prerequisite: IE 3330 and IE 3340 and IE 3360 all with grades of "D" or better. Corequisite: 6 hours from [IE 4310 or IE 4355 or IE 4370] both with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

IE 4393. Industrial Engineering Design II.
Student teams complete implementation of solutions to industrial problems and/or systems engineering issues with realistic constraints. This course is the the second in a two-course sequence, and is continuation of Industrial Engineering Design I (IE 4392). Prerequisite: IE 4392 and 6 hours from [IE 4310 or IE 4355 or IE 4370] all with grades of "D" or better. Corequisite: 6 hours from [IE 4320 or IE 4350 or MFGE 4396] both with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

IE 4399A. Lean Six Sigma Methodologies.
This course covers the principles and methodologies of Six Sigma and Lean Manufacturing. Emphasis is on the tools and techniques used in Lean Six Sigma projects, including statistical process control, experimental design, project management and lean tools. Students will develop and complete a Lean Six Sigma project in industry. Prerequisite: IE 3330 and IE 4310 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 4399D. Modern Heuristic Optimization Techniques.
Heuristic methods that search beyond local optima such as simulated annealing, tabu search, genetic algorithms, ant-colony systems, and particl swarm. Papers from the literature, problem-specific heuristics, evaluation methods and serial/parallel implementations are discussed. This course is an advanced undergraduate course for students in engineering and related fields. Prerequisite: CS 1428 and IE 3340 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 4399E. Introduction to Systems Engineering.
This course includes introductory topics in systems engineering and the systems-thinking process. The focus of the course is on the development of complex systems. Important topics include system understanding, modeling and design, the system development process, needs analysis, concept exploration and definition, design, integration and evaluation, and systems engineering management. Prerequisite: IE 3320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 4399F. Introduction to Data-Intensive Analysis and Simulation.
This course covers the foundational topics in data science and consists of three parts: The first part focuses on data extraction from databases, sensors and social media. The second part reviews data-intensive analysis through statistics and machine learning tools. The third part introduces the concept of farming data using design of experiments methodologies and computer simulation. Prerequisites: IE 3340 and IE 4310 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5310. Advanced Statistical Design of Experiments for Engineers.
This course examines the design and analysis of controlled experiments, demonstrating engineering applications of design of experiments (DOE) in the manufacturing and service industries. Topics include full and fractional factorial designs, response surface methodology, and Taguchi methods. In a semester-long project, students apply DOE to improve a real manufacturing process. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5320. Modeling and Analysis of Manufacturing Systems.
This course covers the methods for modeling and analyzing manufacturing systems. Critical manufacturing issues that are addressed by these models include sustainable production systems, material handling systems, scheduling, and supply chains. Prerequisite: IE 3320 and IE 3340 and MFGE 4396 all with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5330. Advanced Quality Control and Reliability Engineering.
This course provides in-depth knowledge in reliability modeling and maintenance optimization for components and systems. The course also covers advanced quality control techniques including multivariate process control. Methodologies are applied to solve practical problems arising from various industry domains. Restricted to students enrolled in the MS Engineering program. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5340. Applied Deterministic Operations Research for Engineers.
This course introduces students to modeling of linear, non-linear, and integer problems applied to engineering design, manufacturing, service, supply chain, healthcare and electrical systems. Mathematical programming software is emphasized in class exercises, homework, and project. Techniques including revised simplex method, duality theory, sensitivity analysis, and networks are also covered. Prerequisite: CS 1428 and MATH 3377 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5343. Non-Linear Optimization Techniques for Engineers.
This course covers engineering applications of mathematical modeling and computational methods for nonlinear programming problems. The primary goal of this course is to present techniques and strategies essential to optimize non-linear models. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5345. Advanced Optimization.
This course covers advanced concepts in linear and integer programming. Solution techniques for stochastic and dynamic programming and formulation and solution of decision models in manufacturing, service, supply chain, healthcare and electrical systems are presented. Prerequisite: IE 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5347. Modern Heuristic Optimization.
This course covers heuristic methods that search beyond local optima such as simulated annealing, tabu search, genetic algorithms, ant-colony systems and particle swarm. Papers from the literature, problem-specific heuristics, evaluation methods, and implementations are discussed. Prerequisite: IE 3340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5397. System Thinking and Analysis.
This course is an introduction to systems engineering and the systems thinking process, providing important considerations related to the engineering of large scale systems. These considerations include system understanding, modeling and design, the system development process, needs analysis, concept exploration and definition, design, integration and evaluation, and systems engineering management. Prerequisite: ENGR 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

IE 5398A. Healthcare Systems Engineering.
This course provides an introduction into healthcare delivery with particular attention to the application of systems engineering techniques. Topics include the organization of healthcare systems, characteristics of US healthcare, decision-making in the healthcare environment, health informatics, and performance measurement tools. Student project involves integration and application of systems engineering methodologies. Prerequisite: IE 5340 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398B. Response Surface Methodologies.
This course continues the examination of the design and analysis of controlled experiments, demonstrating how design of experiments (DOE) and response surface methodologies (RSM) are used in product optimization and process improvement. Topics include factorial and fractional factorial designs, steepest ascent, fitting response surfaces, variance-optimal design, and mixture experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

IE 5398C. Data-Intensive Analysis and Simulation for Engineers.
This course covers foundational topics in data science, including data-intensive analysis and simulation. Specific topics include data science, data extracting and preprocessing, data visualization, and design of simulation experiments. Prerequisite: IE 5310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Interior Design (ID)

ID 1310. Introduction to Interior Design.
This introductory lecture course investigates interior design from social, ecological, cultural, and spatial perspectives related to human habitation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ID 1320. Design Graphics I.
This course provides specialized training in manual and digital graphic communication required in the interior design profession. It includes architectural drafting, illustrative sketching, design diagramming and schematics, and basics of orthographic and perspective drawing with emphasis in both technical and aesthetic expression.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ID 2000. Interior Design Proficiency Review.
During this course, students will study independently to prepare for a performance-based review in which they will demonstrate the ability to apply essential interior design skills and knowledge. Interior Design majors must pass Proficiency Review to gain access to further interior design coursework. Prerequisite: ARTF 1302 and ID 1310 and ID 1320 all with grades of "D" or better. Corequisite: ARTC 2305 and ID 2322 both with grades of "D" or better.
0 Credit Hours. 0 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

ID 2321. History of Interiors.
Survey of historical styles of furnishings, architecture, and interiors from the Egyptian period to the Industrial Revolution.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ID 2322. Basic Interior Design.
This course is an introductory studio for Interior Design majors, analyzing the elements and principles of design as applied to interior environments. Applications of these fundamental components, including finishes, materials, and styles, will be demonstrated by class projects. Prerequisite: ARTF 1302 and ID 1310 and ID 1320 all with grades of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ID 2323. Design Development.
This course is an introduction to the process of design development and planning of interior space with an emphasis on graphic visualization as a creative process and design tool. Prerequisite: ID 2322 with a grade of "C" or better. Corequisite: ARTC 2305 and ID 2321 both with grades of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ID 2324. People, Environment, and Behavior.
This studio course focuses on the physical and psychological needs of inhabitants of interior space. Students are exposed to theories of environmental perception, human factors, and universal design principles to be applied to design solutions. User needs are demonstrated through the application of space planning throughout the design process. Prerequisite: ID 2323 with a grade of "C" or better. Corequisite: ID 3320 with a grade of "D" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ID 2325. Materials and Sources.
This course is an in-depth study of materials and finishes specified for residential and commercial interiors. Material properties, fabrication, installation methods, applications, sustainability, maintenance requirements and sourcing are addressed. Prerequisite: ID 2322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3320. Design Graphics II & Portfolio.
In this course, students are exposed to various means and methods for using digital media throughout the interior design process. Instruction on presentation graphics, branding and digital publication strategies of a student design portfolio are also addressed. Prerequisite: ID 2322 with a grade of "C" or better. Corequisite: ID 2323 or ID 2324 either with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3321. Contemporary Interiors and Architecture.
A survey of contemporary styles of furnishings, architecture, and interiors from the 19th century to the present. Prerequisite: ID 2321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3322. Studio I: Residential Interior Design.
This studio course introduces students to various dimensions, purposes, and characters relative to the small and large residential spaces. Prerequisite: ID 2324 and ID 3320 with a grade of "C" or better. Corequisite: ID 3325 or ID 3326 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3323. Studio II: Commercial Interior Design.
This course focuses on the analysis, planning, design and furnishing of small to moderate commercial and other non-residential spaces. Topics include design programming, the design development process, simple contract document preparation and visual and verbal presentation methods. Prerequisite: ID 2325 and ID 3322 both with grades of "C" or better. Corequisite: ID 3324 and ID 3327 and [ID 3325 or ID 3326] all with grades of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3324. Professional Practices.
This course focuses on the business principles, ethics, and procedures for the interior designer. Prerequisite: Instructor approval. Corequisite: ID 2324 or ID 3322.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

ID 3325. Interior Lighting Design.
This course focuses on the study of natural and manufactured light sources relative to the interior environment. Emphasis is placed on light science and technology and the effects on health, behavior, color and form, and includes issues of aesthetics, energy conservation, codes, evaluation, and specifications. Prerequisite: ID 2323 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3326. Comprehensive Interior Design.
This course is an advanced study of materials, systems, codes and other factors relating to public health, safety, and welfare in interior environments. Through lecture and application of resources, materials and design technologies, the course addresses specifying, scheduling, budgeting, and resource conservation. Prerequisite: ID 2323 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3327. Building Construction in Interior Architecture.
This course explores the understanding of interior construction and documentation for interior architecture projects. Expression of design intent as construction documents is reinforced in structured classroom experiences, guest lecturers, and on-site visits. Understanding of base building construction and systems will be demonstrated through completion of the set of drawings. Corequisite: ID 2323 and ID 3326 and [ID 2324 or ID 3322] all with grades of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Grade Mode: Standard Letter

ID 3329. Housing, Interiors, and Furnishings.
An application of the basic design principles in planning, designing, and furnishing interiors for contemporary living to reflect function, economy, beauty, and individuality for varying income levels.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ID 4101. Special Problems in Interior Design.
A study of selected areas of Interior Design.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ID 4120. Portfolio Design.
Portfolio preparation and production for seeking employment with design firms. Includes instruction on graphic and publication design, business structures and portfolio strategies. For graduating interior design majors. Prerequisites: ID 4323 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

ID 4301. Internship in Interior Design.
Internship experience in the Interior Design profession. (Capstone Course) Prerequisites: ID 3321 and ID 3323 and ID 3324 and ID 3325 and ID 3326 all with grades of "C" or better and instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ID 4302A. Historic Preservation.
Introduction to the field of historic preservation, including history, theory, planning, advocacy, law, conservation, and adaptive use, emphasizing the Secretary of the Interior's Standards for Rehabilitation. Students combine design and technical knowledge to approach historical design problems in creative, sensitive, and economical ways. Prerequisite: ID 3321 and ID 3322 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ID 4302C. Lighting Research and Applications.
An in-depth study of light and color and its impact on people's behavior in interior environments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ID 4302F. Color Theory and Design Applications.
An introduction to color theory and principles with a fundamental understanding of the psychological and physiological effects color has on human perception. Characteristics of major hues which influence design and behavior and how to use, design, and apply color in the creative process will be studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ID 4302G. Color Theory & Design Applications.
An introduction to color theory and principles with a fundamental understanding of the psychological and physiological effects color has on human perception. Characteristers of majors hues which influence design and behavior and how to use, design, and apply color in the creative process will be studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

ID 4323. Studio III: Research and Advanced Commercial Interior Design.
This course expands student understanding and application of design research methods including evidence-based design in the commercial interior environment. Topics include advanced design research methods, programming and large-scale space planning, finish selection/specifying, furnishings design and detailing, and presentation strategies through creative problem solving and contract document preparation. Prerequisite: ID 3323 and ID 3327 both with grades of "C" or better. Corequisite: ID 3321 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

ID 4324. Studio IV: Contemporary Design Issues.
This course requires students to conduct specialized research in interior design to include design issues such as barrier free environments, medical facilities, historic preservation/adaptive re-use, international interiors, energy issues, sustainable design and design for special needs. Prerequisite: ID 4323 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

ID 4391. Independent Study in Interior Design.
Independent reading and/or research on a specific topic related to student's primary area of interest. Work may consist of research, reviews, and integration of existing literature, or other appropriate independent work. May be repeated once for credit with approval of instructor. (WI).
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

International Studies (IS)

IS 4380. International Studies Seminar.
A senior-level seminar that explores international topics through reading, writing, research and group discussion. Students will be expected to produce a significant research paper. This course is required for all International Studies majors and should be taken in the senior year of undergraduate study. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

IS 4387. International Studies Internship.
A semester-long work and study experience in a local, national, or foreign setting. Internships must be approved by the director of the Center for International Studies. May be repeated for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

IS 4687. International Studies Internship.
A semester long work and study experience in a local, national, or foreign setting. Internships must be approved by the director of the Center for International Studies. Repeatable once for credit. Prerequisite: Minimum 3.0 Texas State GPA.
6 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

IS 5387. International Studies Internship.
A work/research experience in a government agency or company related to the students' career interests. The internship will consist of a minimum of 150 hours in the workplace and will require a research paper. This course may be repeated once for additional internship credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

IS 5398. General Research Methods.
The principal purpose of the General Research Methods seminar is to prepare students to successfully produce research papers and/or theses. Students in this course will produce a research paper using primary and secondary source materials.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Italian (ITAL)

ITAL 1410. Beginning Italian I.
Introduction to listening, speaking, reading, and writing skills within an Italian cultural framework. Students who take ITAL 1410 toward degree requirements must also complete ITAL 1420. (MULT).
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ITAL 1411

ITAL 1420. Beginning Italian II.
Continued practice in listening, speaking, reading, and writing skills within an Italian cultural framework. Students who take ITAL 1410 toward degree requirements must also complete ITAL 1420. (MULT).
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ITAL 1412

ITAL 2310. Intermediate Italian I.
Continued development and review of all language skills within an Italian cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ITAL 2311

ITAL 2320. Intermediate Italian II.
More advanced practice in all language skills with greater emphasis on reading within an Italian cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: ITAL 2312

ITAL 3308. Advanced Grammar and Composition.
This course is designed to improve writing skills in Italian through the reading and writing of Italian texts. Focus on writing skills and the reading of selected works from Italian literature. Repeatable once with different content.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ITAL 4390. Studies in Italian Language and Culture.
Students will conduct an independent study project in Italian language and culture. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Japanese (JAPA)

JAPA 1410. Beginning Japanese I.
Introduction to listening, speaking, reading, and writing skills within a Japanese cultural framework. Students who take JAPA 1410 toward degree requirements must also complete JAPA 1420. (MULT).
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Multicultural Content
Grade Mode: Standard Letter
TCCN: JAPN 1411

JAPA 1420. Beginning Japanese II.
Continued practice in listening, speaking, reading, and writing skills within a Japanese cultural framework. Students who take JAPA 1410 toward degree requirements must also complete JAPA 1420. (MULT).
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Multicultural Content
Grade Mode: Standard Letter
TCCN: JAPN 1412

JAPA 2310. Intermediate Japanese I.
Continued development and review of all language skills in a Japanese cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: JAPN 2311

JAPA 2320. Intermediate Japanese II.
Advanced practice in all language skills in a Japanese cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: JAPN 2312

JAPA 3304. Advanced Japanese Grammar I.
Course designed to strengthen written command of the language through grammar instruction as well as readings and reports in Japanese. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

JAPA 3306. Modern Japanese Literature and Culture.
Students will analyze Japanese literature and culture while developing their proficiency in Japanese, increasing their vocabulary in the language, and extending their knowledge of critical kanji necessary for understanding the written language.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

JAPA 3307. Advanced Japanese Writing and Grammar.
A writing intensive course designed to strengthen students' knowledge of the structure of Japanese and written command of the language. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

JAPA 3308. Advanced Japanese for Business.
An advanced course designed to develop the skills needed to succeed in the complex business world of Japan. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

JAPA 3309. Japanese Language through Popular Culture.
Students will improve Japanese reading comprehension through the study of popular Japanese media such as manga (graphic novels) or anime (film animation) or kayoo kyoku (Japanese popular song). The course will emphasize how language is used to tell stories for diverse audiences. Repeatable with different emphases. Prerequisite: JAPA 2320 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

JAPA 4304. Advanced Japanese Grammar II.
This course will build on skills learned in JAPA 3304 to further strengthen command of written Japanese through more advanced grammar topics, readings, and reports. Prerequisite: JAPA 3304 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

JAPA 4310. Japanese Post-War Fiction.
This course focuses on fiction from the period after World War II in Japan in the context of post-war social, political, and cultural changes. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

JAPA 4320. Japanese Science Fiction.
The course focuses on Japanese science fiction and its cultural contexts. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

JAPA 4390. Studies in Japanese Language and Culture.
Students will conduct an independent study project in Japanese language or culture. The course is recommended for students in their last year who have already completed at least one advanced course. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Latin (LAT)

LAT 1410. Beginning Latin I.
Introduction to reading and writing skills in Latin with a Latin cultural framework. Students who take LAT 1410 toward degree requirements must also complete LAT 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: LATI 1411

LAT 1420. Beginning Latin II.
Continued practice in reading and writing skills in Latin within a Latin cultural framework. Students who take LAT 1410 toward degree requirements must also complete LAT 1420.
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: LATI 1412

LAT 2310. Intermediate Latin.
Introduction to complex grammatical structures and syntax of Latin. Focus on the application of the rules of grammar and syntax to the translation of original classical texts. Some attention given to the diction and written styles of individual authors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: LATI 2311

LAT 2320. Intermediate Latin.
Continued acquisition of complex grammatical structures and syntax. Introduction to reading Latin poetry. Some attention given to meter and scansion as needed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: LATI 2312

Legal Studies (LS)

LS 5310. Introduction to the Paralegal Profession and Legal Technology.
This course provides an introduction to the paralegal profession and law office technology, including the history of and current issues facing the profession, paralegal associations, paralegal regulation and certification options, paralegal ethics, and the skills necessary to become an effective paralegal, with an emphasis placed on legal technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5320. Legal Research.
This course provides a study of the legal research process, including primary and secondary sources of law and related finding tools and legal citation rules; research using books and online tools; and provides a basic introduction to legal writing, including how to brief cases and prepare legal research memoranda.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5330. Legal Theories and Analysis.
This course is a study of statutory and case law development of basic legal theory including tort theory, contract theory, and evidence theory. This course is intended to assist students in gaining knowledge of fundamental legal theory, reasoning, and analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5340. Litigation.
This course is a study of statutory and case law relating to civil procedure in order to develop an understanding of litigation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5341. Administrative Law.
This course deals with the origin, development, and theory of Administrative Law as well as the agencies and tribunals that administer the law. Emphasis is on enforcement, quasi-legislative and quasi-judicial powers of federal administrative agencies and state tribunals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5343. Family Law.
This course examines Texas law, dealing with pre-marital contracts, marriage relationships, annulment, abortion, adoption, juveniles, Family Code, divorce, support for children, custody, and separation agreements.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5349. Business Organizations.
This course is a study of the federal and Texas law relating to corporations with particular emphasis on the preparation of initial and amended articles of incorporation, satisfaction of state filing requirements, the drafting of employment agreements, and other activities necessary to the maintenance, merger, and the closing of corporations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5350. Legal Drafting.
This course is a study of legal drafting styles, forms and techniques, including legal document drafting, objective, informative document drafting, and persuasive-style drafting of trial and appellate briefs. Prerequisite: LS 5320 with grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5351. Estates and Trusts.
This course is the study of Texas laws relating to estates and trusts with emphasis on the preparation of documents regarding the administration of estates.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5353. Real Estate.
This course is a study of Texas laws concerning real properties, conveyances, recordation, taxation, and sales regarding real property. Students are familiarized with various records dealing with real property maintained by public officials and develop an understanding of the procedures by which titles are searched. Repeatable with different emphasis for a maximum of 6 credit hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

LS 5359. Alternative Dispute Resolution.
This course is an in-depth study of procedural and substantive legal principles of alternative dispute resolution. Emphasis will be placed on procedures and practical applications of negotiation, mediation, arbitration, and alternative adjudicative processes with integration of ethical and policy issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5360. Advanced Litigation.
This course is a study of the use of the American legal system to resolve disputes between indviduals and entitles. Emphasis is on trial advocacy planning, analysis, preparation, and strategy. Students develop skills necessary to understand and to participate as an advocate in the trial process. Prerequisite: LS 5320 and LS 5340 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5361. Criminal Law and Procedure.
This course is a study of the state and federal statutory and common law relating to the criminal justice system. This course includes the study of the criminal litigation process and procedure with emphasis on theory and practical legal assistant skill development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5363. Social Legislation.
This course is a study of Texas and federal laws established by statute to remedy various social problems including worker's compensation, unemployment compensation, bankruptcy, and commercial transactions. This course includes a study of statutory and case law development. May be repeated with different emphasis for a maximum of 6 credit hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

LS 5370. Advanced Legal Research & Writing.
This course has four components: (1) refinement of skills in computer-assisted and manual legal research; (2) legal analysis, legal writing, and organizing, complex legal documents; (3) techniques of persuasive argument; and (4) applied research project. Prerequisite: LS 5350 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5371. Intellectual Property Law.
This course covers principal tenets of intellectual property, including trademarks, copyrights, patents, and trade secrets. Students analyze a wide variety of intellectual property issues, the impact of intellectual property in our current society, and the practical and theoretical concerns raised by the interplay of state and federal laws.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5373. Contract Law.
This course is a study of contracts (e.g., real estate contracts, employment contracts; contracts for services; construction contracts; e-contracts); the common law and statutory law of contracts (e.g., Statute of Frauds; Uniform Commercial Code; Uniform Computer Information Transactions Act; Uniform Electronic Transactions Act), and contract drafting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5379. Issues and Problems in Law.
This course examines current legal issues and problems through legal analysis and conceptual aspects of legal research and writing. Students perform literature reviews of current topics and develop research questions. Prerequisite: LS 5320 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LS 5388. Directed Reading and Research.
This course is an advanced reading and/or research on various topics in legal studies under the direction of a graduate faculty member. May be repeated once with different emphasis and professor for a maximum of 6 credit hours. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

LS 5389. Law Office Internship.
This course emphasizes problems, procedures, and ethics in the legal-working environment. Students are involved in internship consisting of approximately 10-15 hours a week to gain experience in the legal-working environment. Course is required unless the student has related experience and has, with program director permission, elected to take a practicum. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

LS 5399. Applied Research Project.
This course is the applied research project for the Master of Arts in Legal Studies degree. Students work with the supervising instructor to complete an applied research project to submit for oral examination. Prerequisite: LS 5370 with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Linguistics (LING)

LING 4307. Foreign Language Acquisition.
An introduction to the nature of language development and to the theories that describe foreign language acquisition and development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LING 4390. Independent Study in Applied Linguistics and Language Learning.
This course is generally open only to students with special needs. Students select a topic in line with their special interests and requirements. May be repeated once with different topic for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Long Term Care Administration (LTCA)

LTCA 5302. Elder Abuse and Mistreatment.
This course provides an introductory overview of key theories, concepts/principles, issues, practices and challenges in elder abuse and mistreatment (EA/M). Course content includes: definitions and theories, incidence and prevalence, risk/protective factors, assessment, prevention, intervention, factors affecting screening/reporting, and the impact of EA/M on victims, caregivers, family and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5305. Environmental Design for Dementia.
The potential of the physical environment to play an active role in supporting independence, stimulation, and life quality for individuals with dementia will be explored in this course. Emphasis will be placed on principles behind environmental design and the importance of utilizing the physical environment as a therapeutic tool.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5322. Environmental Management in Long Term Care.
Students will compare performance analyses of long-term care facilities with a focus on organizational culture, and internal and external customer satisfaction. Plans of managerial action to maximize customer satisfaction will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5323. Governance Management in Long Term Care.
Focuses on regulations for the operation of long term care facilities as promulgated by state and federal governments. Reviews the minimum requirements for licensure and the standards for Medicaid certification in Texas. Also examines specific activities and functions regarding accountability and enforcement procedures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5324. Personnel Management in Long Term Care.
An examination of management issues in long-term care primarily in the critical areas of human resources, public relations, and marketing. Examples include staff recruitment and retention programs, training needs analysis, and marketing plan formulation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5325. Resident Care Management in Long Term Care.
Administratively oriented content related to nursing care, quality indicator, and geriatric pharmacology utilized in long term care facilities. The course content reflects the relative legislative requirements mandated for nursing homes and other long-term care facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5335. Financial Management in Long Term Care.
Students will examine the fiscal performance of selected facilities utilizing data from annual Medicaid cost reports with a focus on revenue enhancement and census development. Students will contrast various systems for determination of reimbursement and use reimbursement issues in a strategic planning sense.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

LTCA 5681. Internship in Long Term Care.
This course is an internship where the student works directly with an administrator in a licensed nursing facility and is exposed to aspects of facility operation and management. Students are required to complete 1,000 hours. To meet 1,000 hour licensure requirement, this course can be repeated up to two semesters.
6 Credit Hours. 0 Lecture Contact Hours. 24 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Management (MGT)

MGT 3303. Management of Organizations.
A study of management functions in modern organizations, the internal and external environmental factors affecting organizational efficiency, and the application of quantitative and behavioral science to management study.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 3353. Business Communication.
This course provides an introduction to the uses of communication in business and focuses on communication models, general semantics, effective writing style, selection and organization of content and medium(s), effective oral communication, employment communication, and causes of miscommunication. Students will not receive credit for both MGT 3353 and MGT 3453. (WI) Prerequisites: ENG 1310 and ENG 1320 and [COMM 1310 or COMM 2338] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MGT 3360. Studies in Entrepreneurship.
Students gain personal insights into entrepreneurship as entrepreneurs describe their contributions, reveal the sources of ideas, and discover ways of growth and success. Includes starting and managing businesses as well as ownership forms, sources of funds, location analysis, facility requirements, management, marketing, and feasibility plans.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 3361. Small Business Operations and Financials.
This course is a study of funding and financial concepts necessary to effectively operate a successful small business. Students will use software programs to maintain working capital and a complete set of books related to running businesses. Prerequisite: ACC 2301 or ACC 2361 either with a grade of "D" or better. Corequisite: MGT 3360 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 3362. Family Business and Franchising.
This course addresses the important and unique management aspects of family businesses and franchises. Family business topics include family culture, communication, conflict resolution, succession, and estate planning. Franchising topics include franchise selection, contracts, legal issues, and current trends in franchising. Issues affecting both the franchisee and the franchisor are explored. Prerequisite: MGT 3361 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 3365. Communication Systems.
Office information and decision support systems are examined as critical elements in business data and information systems. Emphasis is given to information processing considerations at the systems level, including analysis and management of support activities such as data and records management, electronic filing and retrieval systems, word processing, micro and reprographics, and telecommunications. Includes discussions of current and future technological trends. Prerequisite: MGT 3303 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MGT 3375. International Business.
International business perspectives underlying different business functions. Concepts, processes, and philosophical bases for international operations in selected global markets are emphasized with culture and global dynamic environment as the basis. A project is required. (MULT) (WI). Prerequisite: MGT 3303 with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

MGT 3453. Business Communication and Professional Development.
This course is designed to enhance critical professional skills including interviewing, networking, teamwork, emotional and cultural intelligence, public speaking, and applicable ethical considerations. It introduces theories of business communication including communication models, general semantics, and causes of miscommunication. Students will not receive credit for both MGT 3453 and MGT 3353. (WI) Prerequisites: ENG 1310 and ENG 1320 and [COMM 1310 or COMM 2338] all with grades of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Writing Intensive
Grade Mode: Standard Letter

MGT 4315. Business Principles, Issues and Trends.
Review of the fundamentals of business administration as applied to contemporary business problems. Also, a discussion of current business issues and trends. Open to students seeking certification only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4330. Operations Management.
A study of the various aspects of managing production and operations management functions in manufacturing and service organizations. Methods necessary for analyzing and solving related problems to design, operations, and improvements of the systems that create products and/or services in a global supply chain environment are investigated and emphasized. Prerequisite: MGT 3303 and [IE 3330 or QMST 2333 or TECH 3364] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4335. Strategic Management and Business Policy.
An integrative course in strategic management and business policy that utilizes the case method of instruction. A capstone course involving the analysis of business through the application of principles of accounting, communications, economics, finance, management, marketing, quantitative methods, and related disciplines. (Capstone Course) (WI) Prerequisite: MGT 3303 and MKT 3343 and FIN 3312 and QMST 2333 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MGT 4340. Quality Management and Beyond.
A conceptual and practical overview of the role of quality as a system for establishing a “world class” competitive position. It explores philosophies and ideas of the leading thinkers in quality management, impact of process improvement methods, quality requirements definition and organizational change as it applies to total quality initiatives. (WI) Prerequisite: QMST 2333 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MGT 4350. Business Plan Development.
Students work in teams to select, create, and write solid business plans for proposed or real businesses. Prerequisite: MGT 3361 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MGT 4351. Applied Entrepreneurship.
Students design, staff, operate, and manage a business or service. Business teams develop financial and operational control systems and procedures for organizational, group, and individual performance evaluations, implement service and business projects, and provide a final public report. Prerequisite: MGT 4350 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MGT 4353. Integrative Field Project.
Students work directly with entrepreneurs to research projects and recommend solutions. May involve providing business development assistance to entrepreneurs. Students may work individually or in teams. Project results are summarized in a comprehensive written report and a formal oral presentation. Prerequisite: MGT 3360 with a grade of "D" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MGT 4370. Business Ethics.
This course examines a variety of ethical issues in business from the point of view of practicing manager and corporate leaders. This course is designed to enhance moral awareness and facilitate individual development with respect to making ethical decisions that contribute to effective corporate management and leadership. Prerequisite: MGT 3303 and PHIL 1320 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MGT 4371. Business, Government, and Society.
An integration of a number of disciplines and value systems which affect and determine the proper role of business in satisfying the needs of customers, creditors, community, government, stockholders, managers, employees, suppliers, and society in general. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4372. Effective Leadership.
This course facilitates the development of leadership capabilities and addresses the complexities, paradoxes, and challenges of leadership. Through self-assessments, readings, lectures, and assignments students gain an appreciation of effective leadership approaches and are provided with opportunities to practice new leadership behaviors. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4373. Human Resource Management.
A study of the principles of human resource management in public and private institutions. Stresses the human resource aspects of recruitment, selection and placement, performance appraisal and compensation. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4375. Organizational Behavior and Human Relations.
A study of the role of the individual in formal organizations, group dynamics, motivation theory, communication and leadership. Integrates behavioral science concepts. Prerequisite: MGT 3303 with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4377. Labor Relations and Collective Bargaining.
A study of unions and their impact on private and public employment. Examines union growth and governance, collective bargaining, contract negotiation and administration, and arbitration and mediation. Prerequisite: MGT 4373 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MGT 4378. Training and Development.
This course is designed to develop theoretical and applied perspective on needs assessment, design, development, delivery and evaluation of training and development in organizational contexts. Prerequisites: MGT 4373 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4379. Organizational Staffing.
A study of current theory and practice in the process of selecting the right employees for positions within the organization, including HR planning, EEO, job analysis, recruitment, and selection procedures. Prerequisite: MGT 4373 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4380. Compensation Management.
A study of the compensation administration in public and private organizations, with stress on the determinants of general wage levels; job analysis and evaluation; incentive, merit, seniority, and executive compensation; fringe benefits, and wage and salary control. Prerequisite: MGT 4373 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4385. Management Thought: Past, Present, and Future.
This course examines how thinking about management has developed over time. It discusses changing social, political, and technological forces challenging managers to think in new ways. Significant management ideas will be examined in their contexts for the purpose of better understanding how to successfully manage for the future. Prerequisite: MGT 3303 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4390A. Advanced Business Communication.
An advanced study of the uses of business communication in modern organizations. Students gain experience in making decisions involving selection and organization of communication content, and in choosing an appropriate medium for presentation of information. Emphasis is placed on gaining proficiency in various business communication processes. (WI) Prerequisite: MGT 3303 and MGT 3353 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MGT 4390B. Management of the Digital Enterprise.
A study of management in the digital age. Course will look at the impact of digital communications and the new economy on traditional and e-commerce businesses. Topics will include changes in both strategic management as well as functional management (marketing, operations, finance, HR, etc.) Prerequisite: MGT 3303 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MGT 4390E. Management of New Product Development.
Identifies the requirements and benefits of effective and efficient new product development. Topics include best practices of new-product development management, managing the new product process from idea generation, evaluation and selection; business case development; validation and verification testing; and product launch; and product portfolio management. Prerequisites: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390G. Cross-Cultural Human Relations.
This course is designed to develop theoretical and applied perspectives on cross-cultural human relations within a variety of international business contexts. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390J. Organizational Change.
This course presents an overview of the change process and stresses the key issues involved in reengineering and renewing organizations. Problems dealing with stress and conflict during major change will be explored, along with practical ideas on building effective teams to make change possible and sustainable. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390K. Business Creativity and Innovation.
Focuses on the importance of creativity and innovation to business organizations. Topics include the generation of creative ideas, transformation of ideas into commercially viable products/services, legal protection of new products/services, and environmental factors contributing to innovation success. Course objectives are met primarily through classroom discussion and exercises. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390L. Managing Projects.
Intensive coverage of management in a wide range of project applications from concept through operations. Planning, scheduling, controlling, economic analysis, quality control and customer satisfaction. Prerequisite: MGT 4330 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390O. Leadership Development: Business as Unusual.
This course is a directed study and practical application of the principles of "Business as Unusual". Students will develop leadership skills for the experience economy through an intensive, highly interactive class format. Students will be paired with upper-level business professionals for one-on-one coaching and mentoring. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390P. Coaching and Mentoring Practicum.
This course is a directed, practical application of extant leadership theories and principles. Students will further develop their leadership skills through intensive experiential activities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390Q. Introduction to Business in a Global Environment.
The course introduces the modern business enterprise with an emphasis on the interdependence of the business functions in a global environment. Topics include the cross border impacts of culture, politics, and law on trade, investment, marketing, management, and accounting and financial systems. Restricted to BBA students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390R. Transformative Leadership for Nonprofits (NPs) and Non-Governmental Organizations (NGOs).
This course provides a practical and strategic understanding of the legal, management and marketing challenges facing nonprofit and non-governmental organizations and the transformative leadership required to guide them as they attempt to do something positive for people, society and/or the environment beyond or between the roles of government and business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390S. Business Contracts/Negotiation.
This course focuses on techniques for the development and strategic planning required for successfully negotiating business contracts, negotiation skills, and conflict resolution issues/techniques. Prerequisite: MGT 3303 with a grade of "D" or better. Corequisite: MGT 4373 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390T. Effective Teams and Groups.
An examination of and the consequent development of those skills necessary to effectively manage and increase the productivity of task-oriented groups and teams. Issues, problems, and concepts frequently encountered are addressed, as well as possible solutions Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390U. Management for Sustainability.
This course is designed to take a broad look at Sustainability from both Ecological and Managerial perspectives with a goal of developing an awareness and understanding of the major issues and shifts that today's organizations and societies are facing as they undertake their journey to become more sustainable. Prerequisite: MGT 3303 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4390V. Professional Skills for the Global Workplace.
This course provides a survey of relevant skills necessary to work in an international work setting. Through discussion, site-visits, and application activities, students will leave the course with an understanding and ability to apply these skills in their careers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 4392. Human Resource Management Internship.
This course integrates professional and academic experience through internship with an external employer. Prerequisites: MGT 4373 with a grade of "D" or better and instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4393. Entrepreneurial Internship.
The internship class provides integration of prior professional and academic experience through an entrepreneurial internship with an external employer. Prerequisite: MGT 3360 with a grade of "D" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 4395. Management Internship.
This course provides an integration of professional and academic experience through internship with an external employer. Credit is pass/fail or grade at department election. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MGT 4399. Independent Study in Management.
Directed research and extensive written assignment(s) on a selected topic related to student's area of interest. Work may consist of literature reviews, integration of literature, or other appropriate independent research, and/or practical application of research. May be repeated once with different emphasis for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MGT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5301. Graduate Assistant Development.
Completion of this course is required as a condition of employment for graduate assistants. The course is seminar based and covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MGT 5310. Organizational Change Management.
Presents an overview of the process of change in an organization and stresses the key issues involved in reengineering and renewing organizations. Problems dealing with stress and conflict during major change will be explored along with practical ideas on building effective teams to make change possible and sustainable.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5311. Process Improvement Management in Organizations.
Learn existing and latest developments in process improvement techniques for continuous improvement and the role of quality as a system for establishing an organization's competitive advantage. Process mapping is emphasized and assessment of effectiveness in the interactions of the managerial and technical systems of organizations is also studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5312. Seminar in Management.
Development of philosophy, strategy, and tactics in managing an enterprise. Administrative processes common to all enterprises, such as entrepreneurship, business and society, leadership and group behavior in organizations, business ethics, and international management. (Course may be repeated for credit with different course focus.).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5313. Strategic Management.
An integrative approach to policy formulation and administration (decision making) to achieve organization objectives. Should be taken the last semester of student's MBA program. Prerequisite: ACC 5361 and FIN 5387 and MKT 5321 and QMST 5334 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5314. Organizational Behavior and Theory.
Organizational behavior and structure as influenced by environmental variables and system relationships. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5315. New Venture Management.
This course provides an overview of the entrepreneurial process from the initial idea through start-up, growth, and harvest. Students learn how to write a business plan, manage all the elements of an entrepreneurial business, and develop a better understanding of the requirements of the entrepreneurial life path.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5318. Cross-Cultural Management.
The global environment requires sensitivity to and the adaptation of leadership and management skills and practices, and the culture-bound differences in workplace behavior and attitudes. Explores how differences in cultural core values shape behavior and attitudes of workers, managerial colleagues, and negotiating partners. Prerequisites: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5321. Supply Chain Management.
A variety of tools and frameworks provide students and understanding of the basis behind supply chain decision making. Topics include supply management concepts, demand-supply management, pull/push system, capacity and resource allocation, performance measurement, relationship assessment, and outsourcing in an integrated supply chain. Require graduate standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5325. Managing Business Creativity.
This course focuses on the means by which businesses and individuals foster and maintain their creative and innovative skills. Key topics include: idea generation and refinement, idea screening, prototype development, and feasibility analysis. Objectives are met through classroom exercises, case analysis, guest speakers, and individual and team projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5330. Seminar in Human Resource Management.
A study of current developments and practices in human resource management, including employment laws; planning, recruitment and selection; training and development programs; wage and benefits administration; performance management, human relations and productivity; labor relations; safety and health; an current contributions to human resource management theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5333. Problems in Business Administration.
The student is here given the opportunity to work in the field of his special interest, particularly in the subjects of accounting, business law, marketing, statistics, finance, and insurance. The course will be conducted by conferences between the student and instructors concerned. Problems will be assigned as nearly as possible for the needs of the individual student.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5335. New Venture Launch.
The purpose of this class is to ensure students gain a full understanding of what it takes to start and grow a business. Students learn the process of creating a new venture from the inside by planning, organizing and launching an actual business. Prerequisite: MGT 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5336. Compensation and Benefits.
This course addresses the rewards systems in organizations. Strategic and technical considerations in designing, administering and managing compensation and benefits plans in organizations, including job analysis and evaluation, wage levels and structures, legal issues, individual and group incentives, and benefits are considered. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5337. Organizational Staffing.
A study of the methods involved in recruitment and selection of employees with an emplasis on measurement, job analysis, performance appraisal, legal issues, and the role of human resource planning and strategy. This course relies on statistics to teach students to make reliable and valid employment decisions. Prerequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5338. Human Resource Development.
A study of theoretical and applied perspectives on needs assessment, design, development delivery and evaluation of training and development as well as organizational change and development. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5339. International Human Resource Management.
A study of challenges that decision makers consider when managing their human resources across the globe. Drawing on theories and models from cross-cultural and international management areas, this course covers such topics as globalization, culture, emerging international assignments, and expatriate recruitment, selection, training, repatriation, and career management. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5375. International Management-Latin America.
A study of the cultural, economic, regulatory, and political factors impacting international business. Emphasis is placed on theory and research of management phenomena in Latin America and on issues mediating commercial and governmental relations between the United State and Latin American countries. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MGT 5380A. Business Ethics Leadership.
This course examines a variety of ethical issues in business from multiple stakeholder perspectives (top management, employees, community members, etc.). The course is designed to enhance moral awareness and facilitate individual development with respect to making ethical decisions that contribute to effective corporate management and leadership.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MGT 5380B. Human Resource Information Systems.
This course provides an overview of functional areas in an HRIS system with a focus on the acquisition of skills with respect to the software as well as knowledge regarding the implementation process, associated benefits and costs, and the application of HRIS to manage critical HRM processes. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380C. Group Dynamics in Organizations.
This course explores the theoretical framework of group interactions as well as the practical workplace challenges associated with organizing, participating on, and managing teams and groups. It addresses the development and use of teams to improve business organizations and is recommended for graduate students preparing for business careers. Prerequisite: B A 5351 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380D. Labor Relations and Negotiation.
This graduate level course is a study of labor organizations and their impact as well as negotiation and conflict resolution issues. The course will examine the National Labor Relations Act (NLRA), union and employer rights under the NLRA, union organizing, collective bargaining, negotiation, contract administration, mediation and arbitration. Corequisite: MGT 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5380E. International Leadership.
Course will include lectures, business engagements, cultural excursions, and a service-learning project. To reinforce the theories discussed in class students will interact directly with managers, employees, and international business professionals, learn perspective on cultural and leadership issues. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MGT 5390. Business Research Methods.
Designed to aid graduate students in analyzing reports, evaluating research and in planning research reports. Involves the selection of research problems, sources of data, analysis, presentation, report writing, directed reading, class reports, and a research problem.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5391. Managing the Communication Process.
The study and application of theory and psychology of managerial communication using written, oral, and technological modes to communicate within the business environment. The course includes the process and product approach to graphics, leadership, problem solving, prioritizing, interviewing, and communicating change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5395. Graduate Business Internship.
Integration of professional and academic experience through internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

MGT 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in MGT 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MGT 7314. Organizational Behavior and Theory.
This course focuses on organizational behavior and structure as influenced by environmental variables and system relationships. Topics include personality, motivation, teams, and leadership. These key concepts and others such as perception, emotions, and culture act interdependently, are influenced by, and in turn influence the environment in which the system operates.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

Manufacturing Engineering (MFGE)

MFGE 2132. Manufacturing Processes Lab.
Hands-on experience in variety of material removal processes such as turning, milling, drilling, and CNC machining; joining processes such as gas/arc welding, and soldering; metal casting, polymer and composite processing, and microelectronics manufacturing. Corequisite: MFGE 2332 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 2332. Material Selection and Manufacturing Processes.
Overview of material processing, material selection and process parameter determination. Processes covered include: material removal, forming, casting, polymer processing, semiconductor manufacturing and assembly processes. Laboratory activities provide opportunities for applying the design through manufacture activities of the product cycle. Corequisite: ENGR 2300 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 3316. Computer Aided Design and Manufacturing.
Topics include design process, description of wireframe/surface/solid models, transformation and manipulation of objects, finite element analysis, data exchange, process planning, machine elements, fundamentals of numerical control programming for turning and milling processes, fundamentals of CAD/CAM systems, CNC code generation by CAD/CAM software, waterjet, and plasma cutting. Prerequisites: ENGR 1313 and ENGR 2300 and MFGE 2332 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 4355. Design of Machine Elements.
This course will cover the general procedures in designing various machine elements. These elements include shafts and flexible elements, springs, welded/riveted/brazed joints, screw fasteners, rolling/sliding contact bearings, gears, cams, and followers. Emphasis will be placed on using standard design practices. Prerequisite: ENGR 3311 or TECH 2351 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 4357. Dynamics of Machinery.
This course will cover kinematics and kinetics of particles; kinematics and kinetics of rigid bodies in two and three dimensions; application of dynamics to the analysis and design of machine and mechanical components; mechanical vibrations; linkages; gear trains; and balancing of machines. Prerequisite: ENGR 3375 and MATH 3323 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 4363. Concurrent Process Engineering.
Integrated design and development of products and processes; impact of ethical issues on design; the discussion of real-world engineering problems and emerging engineering issues with practicing engineers; preparation of reports; plans or specifications; cost estimation; project management, communication and the fabrication of an engineered product/system. (WI) Prerequisites: ENGR 3311 and MFGE 4365 both with grades of "D" or better. Corequisites: IE 3330 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MFGE 4365. Tool Design.
Design of single and multi-point cutting tools, jig and fixture design, gage design, and the design of tooling for polymer processing and sheet metal fabrication. Laboratory projects will involve the use of computer aided design and rapid prototyping. Prerequisite: MFGE 3316 or TECH 2310 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MFGE 4367. Polymer Properties and Processing.
Structure, physical & mechanical properties, design considerations and processing methods for polymer-based materials are presented. Processing methods include: injection molding, blow molding, thermoforming, compression molding, extrusion, filament winding, lay-up methods, vacuum bag molding and poltrusion. Prerequisite: MFGE 2332 or TECH 4362 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 4376. Control Systems and Instrumentation.
The theory of automated control systems and its applications to manufacturing systems are covered in this course. Topics covered include: modeling of systems, time and frequency domain feedback control systems, stability analysis, transducer and sensor technology and digital control. Prerequisite: ENGR 2300 and PHYS 1430 and [EE 3370 or MFGE 2332 or TECH 4362] all with grades of "D" or better. Corequisite: MATH 3323 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 4390. Manufacturing Engineering Design I.
This course is the first of a two course sequence involving integrated design and development of products and processes; impact of ethical issues on design; the discussion of real-world engineering problems and emerging engineering issues with practicing engineers; preparation of reports, plans and specifications; cost estimation; project management; and communication. Prerequisites: ENGR 3311 and MFGE 4365 both with grades of "D" or better. Corequisite: IE 3330 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MFGE 4391. Manufacturing Engineering Design II.
This course is the second of a two course sequence involving implementation of Integrated design and development of products and processes; impact of ethical issues; the discussion of real-world engineering problems and emerging engineering issues with practicing engineers; preparation of reports, plans and specifications; cost estimation; project management; and communication. Prerequisites: IE 3330 and MFGE 4390 both with grades of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MFGE 4392. Microelectronics Manufacturing I.
Provides an overview of integrated circuit fabrication including crystal growth, wafer preparation, epitaxial growth, oxidation, diffusion, ion-implantation, thin film deposition, lithography, etching, device and circuit formation, packaging and testing. The laboratory component involves production and testing of a functional semiconductor device. Prerequisites: CHEM 1141 and CHEM 1341 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MFGE 4394. Microelectronics Manufacturing II.
Topics include: atomic models for diffusion, oxidation and ion implantation; topics related to thin film processes i.e. CVD, PVD; planarization by chemical-mechanical polishing and rapid thermal processing; and process integration for bipolar and MOS device fabrication. Students will design processes and model them using a simulation. Prerequisite: MFGE 4392 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 4395. Computer Integrated Manufacturing.
This course is an overview of computer integrated manufacturing is presented. Topics include control strategies for manufacturing systems, automated material handling systems, production planning, shop floor control, manufacturing execution systems, manufacturing databases and their integration, data communication and protocols and man/machine interfaces. Prerequisite: MFGE 3316 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MFGE 4396. Manufacturing Systems Design.
Applications of simulation modeling to the design and analysis of manufacturing systems are presented in this course. Topics covered include queuing theory and discrete event simulation methods. Design projects will involve the use of current simulation language for modeling and analysis of manufacturing systems. (WI) Prerequisite: IE 3320 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MFGE 4399A. Reverse Engineering and Rapid Prototyping.
In the course 3D scanning technology for design, analysis, and inspection, is covered. Also, applications of the 3D scanning in reverse engineering and different rapid prototyping processes in a hands-on approach will be explained in this course.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MFGE 4399B. Introduction to Reinforced Polymer Nanocomposites in Industrial Applications.
Introductory course in reinforced polymer nanocomposites focusing on materials, manufacturing, characterization, and applications. Include, primarily nanoclay polymer matrix composites. Thrust will be the challenges in low-cost manufacturing for industrial applications, commercial successes, its impact on current material market, and future.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MFGE 4399C. Introduction to Industrial Robotics.
This course will cover the basic principles and techniques involved in industrial robotics. Emphasis will be placed on industrial robot applications, analysis of robot manipulators, components of industrial robots, robot programming and control. Prerequisite: MFGE 4376 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MFGE 5316. Advanced Computer Aided Design and Manufacturing.
Topics include design process, mathematical presentation of wireframe/surface/solid modes, transformation and manipulation of objects, finite element analysis, data exchange, process planning, fundamentals of multi-axis NC programming for turning and milling processes, fundamentals of CAD/CAM systems, CNC code generation by CAD.CAM software for the CNC, and waterjet machines. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5318. Additive Manufacturing.
The course covers theory, techniques, and applications of Advanced Reverse Engineering & Freedom Fabrication. Topics include reverse engineering generic process, reverse modeling, contact and noncontact scanning, point cloud, geometric modeling, data extraction, rapid prototyping processes, uniform and adaptive slicing, industrial and medical applications, hardware, and software. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5320. Polymer Nanocomposites.
This course covers polymer nanocomposites focusing on materials, manufacturing, characterization, and applications. The primary focus is on fiber reinforced polymer nanocomposites. Morphological, Thermal, Mechanical, and Electrical Characterization will be discussed in detail. Applications include fire-resistant, ablative, fatigue-resistant, impact-resistant, and bio-based composites. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MFGE 5326. Advanced Robotics in Manufacturing Automation.
This course covers principles and techniques involved in advanced robotics. Topics include introduction to robotics, industrial robotics, robot kinematics, path planning, robot dynamics, advanced control, force control, sensors and actuators, mobile robotics, and introduction to nanorobotics. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5328. Advanced Control Techniques.
This course covers advanced control techniques in manufacturing processes. Topics include modeling of dynamic systems, feedback control systems analysis, stability analysis, PID control, optimal control, programmable logic control, design of control systems, transducer and sensor technology, and digital control. Registration requires instructor's approval. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MFGE 5398A. Multiscale Manufacturing.
This course covers multiscale manufacturing processes, techniques, and applications. Topics include micro and nano-manufacturing, polymer and semiconductor fabrication, thin film technologies, bulk and surface micromachining, physics of multiscale manufacturing, microelectromechanical (MEMS) devices, and design issues for fabrication of micro and nano-systems. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MFGE 5398B. Advanced Composite Materials.
This course examines various aspects of fiber-reinforced polymeric composites. The topics covered include constituent materials (fibers and matrices), mechanics, performance, manufacturing, and introduction to nanocomposites, This course also provides introductory treatments concerning ceramic matrix composites, metal matrix composites, and carbon/carbon composites.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Marketing (MKT)

MKT 3343. Principles of Marketing.
This course studies the strategic marketing process, which creates value for consumers and organizations through integrated production and distribution of products. It examines the marketing process in the context of the global, cultural, economic, legal/regulatory environment. It also examines ethical and socially-responsible marketing and the impact of information technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3350. Consumer Behavior.
A study of the role of the consumer in marketing. Considers the motivation, personality, attitudes, perceptions, lifestyle, and decision-making processes of consumers. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3355. Retailing.
A study of the principles of retail store management, including market and trade area analysis, store location and design, organization and operation management, merchandising, inventory control, and promotion and pricing policies. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3358. Professional Selling.
A study of the professional selling process including strategically planning sales calls, strengthening communication skills, responding helpfully to objections, obtaining commitment and building partnerships. Examines cultivating committed relationships, strategic alliances, and partnering skills to provide total sales quality to the company, suppliers, and customers. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3360. Sales Management.
A study of issues related to planning for, managing, motivating, directing, and controlling a sales force and related sales territories. Both international and domestic perspectives are addressed. Special emphasis is given to the efficiency (cost consideration) and effectiveness (satisfaction consideration) of sales management. Prerequisite: MKT 3358 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3362. Studies in Free Enterprises.
The course will focus on developing goal setting, project identification, project planning and management, marketing, financing, and implementing student directed educational programs within the I-35 corridor. The projects are aimed at increasing citizen awareness and understanding of business and economic issues. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MKT 3365. Services Marketing.
The services sector dominates the U.S. economy and is becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3370. Marketing Research.
This course offers a comprehensive study of marketing research process that includes formulating a problem, developing a research plan, determining a sample, analyzing data, preparing a research report, and linking the consumer, customer, public, and marketer through information. Prerequisite: MKT 3343 and QMST 2333 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3375. Marketing for Social Change.
This class uses marketing principles and techniques to influence a target audience to voluntarily accept, reject, modify, or abandon a behavior for the benefit of individuals, groups, or society as a whole. In this hands-on course students develop and implement marketing campaigns for social change on behalf of non-profit clients. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3380. Sports Marketing.
Examines four components of sports marketing, including: (1) the foundation of sports marketing, (2) marketing through sports, including sponsorship, endorsement, and licensing strategies, (3) the marketing of sports, including marketing mix strategies, and (4) emerging topics in sports marketing, including relationship marketing, technology, and controversial issues. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3385. Ethnic and Niche Marketing.
The course introduces students to marketing approaches used to understand and market products/services to U.S. ethnic and/or subgroups of consumers. The course includes consumer behavior and research techniques as well as implications to the marketing mix. Prerequisite: MKT 3350 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3387. Technology and Marketing.
Study of the marketing process using technologies, e.g., the internet and mobile that support and enhance marketing capabilities, such as the distribution of information. The course examines the impact of technology on the marketing of goods and services to satisfy needs and wants of customers and stakeholders. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 3390. Marketing Health Care.
A study of marketing and its role in health care, including buyer and service provider behavior, relevant marketing principles and strategies, and emerging topics, such as medical tourism, universal health care, and health care regulations. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 4310. International Marketing.
A study of the international planning and coordination of marketing functions, marketing policies, and the analysis of marketing on an international scope including environmental and cultural aspects. (MULT). Prerequisite: MKT 3343 with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MKT 4315. Service Design.
Service Design involves the planning and organizing of people, infrastructure, communication, and material components of a service in order to improve its quality and the interaction between service providers and customers. This course aims to provide hands-on experience that will enable students to develop competences in service design. Prerequisite: MKT 3365 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 4325. Advanced Topics in Service Marketing.
This class is a comprehensive study of services marketing theories, concepts, and strategies; it includes an examination of cost controls, research methodologies, branding, customer service innovation, consumer behavior, and service delivery. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 4330. Promotional Strategy.
Analysis of promotional methods used in marketing and their relation to other business functions. Examines advertising, selling, and sales promotion. Prerequisite: MKT 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 4337. Marketing Management.
An integrative course that applies management concepts and techniques to the solution of marketing problems. Analyzes market segments and product positioning, product and product line price, channels of distribution, and promotion. Prerequisites: QMST 2333; MKT 3343, and six additional hours of marketing courses. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MKT 4392. Sales Internship.
This course integrates professional and academic experience through internship with an external employer. Credit awarded as pass/fail or grade at departmental election. Prerequisites: MKT 3343 and MKT 3358 both with grades of "D" or better and instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 4393. Services Marketing Internship.
This course integrates professional and academic experience through internship with an external employer. Credit awarded as pass/fail or grade at departmental election. Prerequisites: MKT 3343 and MKT 3365 both with grades of "D" or better and instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 4395. Independent Study in Marketing.
Directed research and extensive written assignment on a selected topic related to student's area of interest. Work may consist of literature reviews, integration of literature, or other appropriate independent research. May be repeated once for credit with different emphasis. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

MKT 4396. Directed Study in Professional Sales.
Directed study and research in selected professional sales topics. May be repeated for credit with a different emphasis. Prerequisite: MKT 3343 and MKT 3358 both with grades of "D" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 4397. Directed Study in Marketing.
Directed study and research in selected marketing topics, including the development of a promotional or marketing plan. Course can be offered as individual instruction or as an organized class. Repeatable for credit with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Dual Enrollment Permitted
Grade Mode: Standard Letter

MKT 4399. Marketing Internship.
Integration of professional and academic experience through internship with an external employer. Credit is awarded as pass/fail or grade at departmental election. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5321. Marketing Management.
A study of the planning and coordination of marketing functions, marketing policies, and the analysis of marketing administration. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5322. Marketing Research Methods.
An advanced study of the marketing research process to include problem formulation, determination of sources of information and research design, design of data collection forms, design of the sample, collection of the data, analysis and interpretation of the data, preparation of the research report, and oral presentation of the research findings. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5323. Qualitative Research in Marketing.
This course examines qualitative methods as used in marketing and market research. Topics include the design and execution of qualitative research projects using various qualitative methodological approaches. Activities include application of qualitative methods for conducting research. Students will apply learning in a qualitative research project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5325. Global Marketing and the Value Chain.
To understand the value chain concept and the linkages between value chains in the global marketplace. This will include evaluating the various value chains: supplier, firm, channel, and buyer in the global context. Topics will include procurement, operations, logistics, negotiation, marketing channels, and customer service.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5330. International Marketing.
An application of marketing concepts to the global business environment. Examines marketing in the light of international economic, social, cultural, business, and environmental factors. Prerequisite: B A 5351 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5331. Integrated Marketing Communications.
An analysis of consumer behavior in the marketplace and its application to the preparation and presentation of a complete integrated marketing communications plan for a local, regional, and/or national client. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5335. Services Marketing.
Services dominate the U.S. economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course examines the foundations of services marketing, which are necessary to create, promise, and deliver a successful, interactive customer experience. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5340. Digital Marketing.
This course examines marketing strategies in the digital environment. It examines the latest technology and analytical tools used in e-marketing and e-commerce, including online advertising, mobile marketing, social media marketing, search marketing, email marketing, and web analytics. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5345. Marketing Analytics.
This course is a study of the scientific approach that connects customer data and competitive information to drive marketing decision-making. The course explores customer data analysis techniques and their theoretical foundations that are applied to real world business problems. Students will learn software, conduct data analysis and communicate the results. Prerequisite: MKT 5321 and QMST 5334 both with grades of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5350. Strategic Marketing Analysis and Planning.
This course examines strategic marketing decision making through the analysis and interpretation of marketing intelligence, metrics, and dashboards. Topics will include data-driven decision making on marketing challenges pertaining to customers, brands, marketing mix decisions, online strategy and social media, market performance, and firm profitability. Prerequisite: MKT 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MKT 5395. Independent Study in Marketing.
Individual problems or topics will be designed and completed to emphasize selected areas of study in Marketing. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5397C. Technology and Marketing.
Technology & Marketing covers the impact of new information technologies on marketing and marketing industries undergoing high levels of technological change. Subject areas such as social media, e-commerce, database marketing, business-to –business marketing, and customer contact management are examined and illustrated in industry settings that emphasize innovation through new technologies. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MKT 5397D. Marketing Metrics and Analysis.
To understand the measurement, analysis, and interpretation of marketing metrics that are critical for marketing strategy development and firm performance. Topics will include metrics associated with customers, brands, marketing mix decisions, online strategy and social media, firm profitability, and marketing dashboards. Prerequisite: MKT 5321 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MKT 5398. Internship in Marketing.
Internship in marketing is an external employer supervised, experiential learning course that enables a student to integrate professional and graduate business coursework. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MKT 5399A. Thesis.
This course represents a student's initial thesis enrollments. No thesis credit is awarded until student has completed the thesis in Marketing Research and Analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MKT 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MKT 7321. Marketing Management.
This course covers concepts, activities, and techniques related to the planning and coordination of marketing functions, marketing policies, and the analysis of marketing administration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Mass Communication (MC)

MC 1100A. Careers in Media.
Students engage in career exploration in the media professions.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100B. Grammar for Journalists.
Students refine their English grammar skills to a proficiency level needed to be successful journalists.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100C. Seminar in Sports Broadcasting.
Students will engage in sports broadcasting and reporting activities. These activities will be completed through in-class and field-based experiences of at least 15 hours. Students will further develop their writing, broadcasting and interviewing skills.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100D. Digital Entrepreneurship.
This course will explore innovation and creativity associated with digital entrepreneurship. Through a speaker series, students will be introduced to important concepts and ideas from thought leaders and innovators at the intersection of media and technology.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100E. Digital Media Tools and Skills.
This course will explore new tools and skills relevant to the digital age. Topics will include data visualization, spreadsheet usage, media creation software, mobile reporting, drones and sensors in journalism and video editing. May be repeated once for credit. Restricted to full major status.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100F. Digital Media Innovation Concepts.
This course will explore new concepts relevant to the digital age. Topics will include digital media history, ethics, law and will address online privacy, security, crime, identity and censorship. May be repeated once. Restricted to full major status.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100G. Coding Workshop.
This course will explore programming languages relevant to the digital age. Topics will include JavaScript, JQuery, Python, PHP, application programming interfaces, database languages, application development frameworks and other current topics. May be repeated once. Restricted to full major status.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100H. Career Exploration: Destination America.
This career exploration course allows mass communication students to visit and network with media professionals in the United States under the direction of faculty. The career development trip focuses on outlets in media centers in the United States such as: New York, Chicago, Seattle and San Francisco. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100I. Fundamentals of Layout and Design.
Students will learn desktop publishing basics using Adobe Creative Suite's InDesign. The course will cover topics including creating documents for print or digital use, mastering tools required to create a simple page layout consisting of text and imagery and preparing files for review or publication.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100J. Editing and Enhancing Digital Imagery.
Students will learn how to edit, enhance, and create digital imagery for print and web use. Adobe Creative Suite's Photoshop will be used for photos and pixel-based images. Students will use Illustrator to work with illustrations and vector-based images.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100K. Social Media Analytics Platforms.
This course will prepare students for and assist them in achieving social media certifications. Prerequisite: MC 4381 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100L. Park Storytelling.
This course will explore new tools and skills relevant to the digital age, particularly the usage of smart phones in storytelling. Students will use those skills to produce video content in a park. Prerequisite: MC 4381 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100M. Drone Bootcamp.
This course will explore new tools and skills relevant to the digital age, particularly the usage of drones in reporting, videography and multimedia, and prepare students to take the FAA exam.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100O. Freelancing for Media Professionals.
This course provides a practical overview of business topics related to all media and communication fields. Students will learn the art of freelancing, networking, negotiating and other topics designed to assist in developing their career.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100P. Data Journalism.
This course provides students with a basic background in using data to tell journalistic stories. Topics include the collection, cleaning and analysis of data, as well as fundamental techniques of data visualization, including the production of static graphs and interactive components. Prerequisite: MC 4381 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100Q. Post-Production Video.
This course introduces students to, and teaches best practices for applied digital video effects. Topics include: video editing, video animation, green-screen keying, color correction and other visual effects.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1100R. The Power of Branding.
This course explores how companies use their brands to create awareness, shift perceptions, gain market share and connect emotionally to consumers. Students will examine how these techniques can be applied to their personal brand.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 1301. Introduction to Mass Communication.
A survey of the mass media and other areas of mass communication designed to acquaint the student with the field of communication and what it offers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: COMM 1307

MC 1313. Media Writing.
This course is an introduction to the major forms of Media Writing: electronic media, journalism, public relations and digital. (WI).
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter
TCCN: COMM 2311

MC 2111. Media Practicum.
Students perform supervised media work of at least 60 hours for the semester. Credit requires prior written contract with a supervising faculty member. May be repeated twice. Prerequisite: Minimum 2.0 Overall GPA and instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MC 3306. Writing for the Electronic Media.
The study and practice of writing copy for the electronic media, including the composition of commercials, news stories, public service announcements, promotions and documentaries. (WI) Prerequisites: MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MC 3307. Audio Production.
The basics of digital audio production with emphasis on techniques used in producing commercials, public service announcements and promotions. Lab requirements include a regular air-shift on the campus radio station and structured group meetings. Restricted to full major status.
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 3311. Video Production.
Basics of analog and digital video production. Emphasis on techniques used in producing newscasts, commercials, public service announcements, promotions. Lab requirements include field and studio production.
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 3312. Television News.
Standard theory and practice of electronic news gathering and production, including writing copy to match video and synchronization of audio and video in news stories. Students work on a campus news program. (WI) Prerequisites: MC 3306 and [MC 3311 or MC 4324] both with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 4 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MC 3319. Visual Communication.
This course studies the principles, theories, and language of visual communication, emphasizing the evaluation and use of images in mass media. It is designed to help you integrate words and pictures in mass communication and to gain a greater appreciation of our visual world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3321. News Writing and Reporting I.
Integrating writing and reporting skills to produce stories across media platforms, including print and online, with an emphasis on storytelling. The study of techniques for locating and assessing information from multiple sources, including interviewing, fact verification, online research and the use of libraries. (WI) Prerequisites: MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MC 3343. Introduction to Public Relations.
This is the introductory course for the public relations sequence. Students will explore the functions of public relations in the digital age in the development of strategic communications for corporations, companies, government offices, non-profit organizations and public relations agencies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3355. Mass Media and Society.
This course offers an examination of the roles of the mass media in American society, including an analysis of the philosophical basis of media structure; mass media as business; media effects of public issues, morals and tastes; and other contemporary issues within a global media context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3360. Public Relations Research.
Students will study the principles, techniques and problems of social science research and digital analytics as they relate to the planning and evaluation of strategic communication. Prerequisite: Full major status.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3367. Advertising.
A broad overview of advertising including history, role and responsibility, and impact of the digital revolution. Key topics will be research, account service, media planning, creative, sales promotion, public relations, campaigns, and the advertising agency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3372. Advertising Media Planning.
Study of planning and buying messages in traditional and new media to creatively and effectively reach targeted prospects. Attention is given to media characteristics, scheduling, testing and buying efficiencies. Prerequisites: Full major status, MC 1313 and MC 3367 and MC 4317, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3375. Programming in Electronic Media.
Study of the principles and strategies of winning audiences for the electronic media: television radio, cable, satellite and the internet.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3379. Advertising and Public Relations Management.
Study of managerial problems in advertising and public relations programs. Case study approach to setting goals, developing strategy, budgeting and working in a client-agency relationship. Prerequisites: Full major status, MC 1313 and MC 3343 or MC 3367, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 3383. Editing and Managing Content.
Students will incorporate words, images, sound and data into storytelling across platforms. This course tightens the focus on audience, accuracy, meaning, logic, organization, style and form. (WI). Prerequisites: MC 1313; with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MC 3390. Media Design.
Study and application of advanced principles of media design including: basic design principles, typography, color, photography, video, and multimedia. Students will learn production skills for existing and new media. Pre-requisite: Full-major status.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted|Lab Required|Time Conflicts Permitted
Grade Mode: Standard Letter

MC 3394. Management of Electronic Media.
The study of the management of electronic media, including sales, federal regulation, and responsibilities to society, community and stockholders. Prerequisite: Full major status.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4130. Internship.
This course requires a minimum of 100 hours of off-campus experience, written contract with internship coor¬dinator and portfolio of completed work. Students cannot gain more than six hours of credit for any combination of: MC 4130, MC 4230 and MC 4330. Prerequisites: 30 credit hours, full-major status, good academic standing and appropriate sequence coursework.
1 Credit Hour. 0 Lecture Contact Hours. 5 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 4230. Internship.
This course requires a minimum of 150 hours of off-campus experience, written contract with internship coordinator and portfolio of completed work. Students cannot gain more than six hours of credit for any combination of: MC 4130, MC 4230 and MC 4330. Prerequisites: 30 credit hours, full-major status, good academic standing and appropriate sequence coursework.
2 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4301. Media Law and Ethics.
This course offers a study of law governing journalism, advertising, electronic media and public relations. Restricted to full major status and junior standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4302. History of Mass Media.
Students will study the development of mass media, advertising and public relations in the United States from 1690 to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4303. International Advertising.
Overview of international marketing and advertising; problems and opportunities of a global economy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4304. Advertising Strategy and Execution-Portfolio.
Course emphasizes projects that allow students to learn how to produce and display professional portfolios to enhance their employment opportunities. Prerequisites: Full major status, MC 1313 and MC 3367, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 4305. Theories of Mass Communication.
A study of the predominant theories of communication, including mass media effects, functions and controls. Prerequisites: Full major status. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MC 4306. Advertising Competition.
The course will focus on developing an integrated marketing communications campaign for a national client as part of the National Student Advertising Competition. Students will create a campaign from the developmental through the execution process. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4307. Advertising Campaigns.
Students will develop, coordinate and evaluate a complete advertising campaign for specific clients. Students will conduct market research, formulate objectives and strategies, recommend media plans and develop creative execu¬tions through plans books and presentations. (WI) Prerequisites: Full major status, MC 4316G and MC 4317 and MC 3372; a grade of "C" or better is required in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MC 4308. Women and Minorities in the Media.
Analysis of the images of women and minorities in the media and their status as media professionals. Includes study of the alternative media. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 4309. Visual Literacy: Film.
The course will teach how meaning is constructed in visual images by using film as a practical medium. It provides the necessary skills to critique and create effective images. It is especially useful for students majoring in image-based sequences of the mass communication major, particularly broadcasting and advertising.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4310. International Communication.
A study of media systems worldwide in different socioeconomic contexts and an examination of patterns of international communication flow.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4311. Independent Study.
Students complete an academic project requiring the equivalent of 160 hours work. Requires prior written contract with faculty member and portfolio of completed work. Cannot be repeated.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 4312. Photojournalism.
Students will develop skills in camera operation, learn computer software applications, learn how to combine words with stories, and how to make layouts and designs for print and multimedia. Students will learn basic analog and digital camera operations, and how to process digital images for the Web and for printing. Restricted to full major status.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4313. Writing for Public Relations.
This course provides an examination and application of digital and traditional communication tools required for effective public relations. Emphasis is placed on the strategic use of digital media in a modern communication society. (WI) Prerequisites: Full major status, MC 1313 and MC 3343; a grade of "C" or better is required in all prerequisites.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MC 4315. Web Design Publishing.
Students will develop skills in web page construction including Web editing, image and graphic manipulation, animation, and audio and video editing. The course will cover the topics of design, content, and accessibility, as well as important social and ethical issues associated with online publishing. Prerequisite: Full-major status, MC 1313 and MC 4381; a grade of "C" or better is required in all prerequisites.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4316D. Advertising Media Sales.
An overview of advertising, media selling, and salesmanship, sales strategies, sales management, and case histories designed to acquaint students with a vital function of the business. Prerequisites: Full major status, MC 1313 and MC 3367, all with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4316H. Advertising Copywriting and Layout.
This is a copywriting and ad layout class. Using the skills learned in MC 4333, students will expand their digital techniques, art direction skills and writing capabilities to create professional level advertising campaigns. Prerequisites: Full-major status and MC 4333 with a grade of "C" or higher.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4316I. Advanced Strategic Account Planning.
This course will expand upon skills learned in Account Planning to further students' ability to define business problems, analyze data, discover insights and define appropriate communications strategy. Students will use research techniques including secondary, qualitative and quantitative methods to deliver strong, informational and inspirational creative briefs, strategy documents and presentations. Prerequisite: MC 4317, with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4317. Account Planning.
Hands-on introduction to applied advertising research and account planning. Primary, survey and qualitative research methods are designed, executed and presented by students for the purpose of integrating the consumer's perspective into creative strategy. Prerequisites: Full-major status, MC 3367; a grade of "C" or better is required in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4318. Media Ethics.
The study of freedom and responsibilities of the mass media practitioners and institutions, explored within the framework of ethical theories. Consideration of values, codes of ethics, moral development, professionalism and institutional constraints as applied to the media of information, persuasion and entertainment will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4319. Latinas/Latinos and the Media.
The course focuses on demographic developments related to Latinos in the US; their portrayals in the media; the effects those portrayals; the history and current status of selected Latino-oriented media and ancillary media companies and organizations; and the role of the media in Latino politics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4320. Public Relations Campaigns.
A comprehensive study of effective public relations in a modern society. Students learn the professional approach to the practice of public relations that includes internet applications and how to evaluate its function and value while applying ethical standards of conduct. (WI). Prerequisite: Full major status; MC 3360 and MC 4313; and one course from MC 3390 or MC 4315 or MC 4326; a grade of "C" or better is required in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MC 4322. Health Communication Campaigns.
This class will provide an overview of the theory and practice of designing, producing and evaluating health-communication campaigns. We will examine persuasive approaches to behavioral change; audience, message and channel factors in campaign development. Our work will emphasize communication approaches, including mass media, social marketing and “new media.”.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4323. Multimedia Journalism.
Students will be introduced to topics related to online journalism. Topics covered will include the online journalism profession, Web credibility, online reporting sources, cyberlaw including libel and copyright, blogging and podcasting, and basic multimedia design. Students will both critique and create online materials. Prerequisites: Full-major status, MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4324. Visual Storytelling.
This course is an introduction to basic elements of video journalistic storytelling for today's converged newsrooms. Students gather information using journalism practices, such as in-person interviews, and learn to use video newsgathering technologies to produce stories for online and other digital platforms. Prerequisite: Full-major status.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4325. Coding and Data Skills for Communicators.
Students are introduced to programming and data concepts relevant to communicators. Data visualization and storytelling tools and techniques are covered as related to journalism, advertising and public relations. Prerequisites: Full-major status, MC 4315 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4326. Advanced Social Media and Analytics.
This course will provide students with an advanced understanding of social media, marketing plans and social media analytics. Students will build company and/or journalistic profiles on social networks - Facebook, Twitter, Pinterest, YouTube, Instagram and more - to engage with audiences and communities and utilize analytical tools to track success. Prerequisites: Full-major status, MC 4381 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 4327. Mobile Media and Development.
This course will introduce students to mobile communication and production that is relevant to mass communication. As mobile devices are a vital communication medium in our everyday life, it is essential to understand how mobile communication works and how to effectively produce online content for mobile devices. Prerequisites: Full-major status, MC 4315 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4328. Digital Media Innovation Capstone.
This course will explore innovation and creativity associated with digital entrepreneurship. Through a speaker series, students will be introduced to important concepts and ideas from thought leaders and innovators at the intersection of media and technology. Prerequisites: Full-major status, MC 4315 and MC 4382U or MC 4326 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4329. Sports Media.
Sports Media explores the synergy among sports, athletes, media, public relations, advertising-marketing-promotion, and sports information disciplines and audiences in a multiplatform media environment. Through class activities and practical experiences, students analyze media—newspapers, magazines, books, movies, radio, TV, online, forums, blogs and social media—in relationship to the sports industry. Prerequisite: Full major status.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4330. Internship.
This course requires 180 hours of off-campus experi¬ence, written contract with internship coordinator and portfolio of completed work. Students cannot gain more than six hours of credit for any combination of: MC 4130, MC 4230 and MC 4330. Prerequisites: 30 credit hours, full-major status, good academic standing and appropriate sequence coursework.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 4331. Strategic Sports Communication.
This course focuses on the application of communication strategies and tactics used by sports teams and leagues to manage relationships with various stakeholders and promote their brand using multiple mass media channels. Students will learn about emerging trends in strategic sports communication and the sociological aspects of sports fans. Prerequisites: Full major status; MC 4382X or MC 4329, a grade of "C" or better is required in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4332. Public Relations Fundraising and Special Events.
A specialized course dealing with the development and implementation of fundraising. Topics include grants, special events, and annual/capital campaigns. Prerequisite: MC 1313 and 3343; A minimum grade of "C" is required in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4333. Creative Thinking & Advertising Concepting.
This course focuses on the advancement of creative thinking and translating those skills into developing a creative concept to support an advertising strategy. This class will provide tools to develop ideas, and an understanding how the creative team works with other teams in advertising. Prerequisite: MC 3367 and MC 4317; A minimum grade of "C" is required in all prerequisites.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 4335. Mass Communication Project/Research Capstone.
This is a senior portfolio course integrating a variety of mass communication skills to produce a substantial project or research for the Mass Communication major capstone. Students work with the guidance of their supervising professor to complete the project or research. Prerequisite: MC 3360 and MC 4305; A minimum grade of "C" is required in all prerequisites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MC 4336B. Documentaries.
A course in reporting and production of comprehensive public affairs and feature stories for the electronic media. Prerequisite: MC 3312. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4336E. Code Camp I.
Students are immersed in programming concepts relevant to communicators. Students will practice document object model manipulation using JavaScript and JQuery to create interactive Web projects. Prerequisite: MC4315 with a letter grade of B or better. Corequisite: MC 4336F.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4336F. Code Camp II.
Students are immersed in data and visualization concepts relevant to communicators. Students will create interactive data visualization projects to be presented on the Web. Prerequisite: MC4315 with a grade of "B" or better. Corequisite: MC 4336E.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4336G. Immersive Storytelling: Virtual Reality and 360 Video.
This course will examine new storytelling opportunities brought on by virtual reality and 360 video. It will provide a framework for understanding how this new platform can be used by the media to communicate with audiences and communities. Prerequisite: MC 4381; A minimum grade of "C" is required in all prerequisites.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4337. Data Journalism.
Students will use a variety of tools and software to acquire and analyze data to produce news stories and data visualizations. Prerequisite: MC 1313, MC 4381; with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4356A. Science Writing and Reporting.
Students learn to interpret complex concepts and present accurate, engaging news and feature stories about the latest research. Prerequisites: Full major status; MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4356B. Editorials, Columns, and Reviews.
The study and writing of newspaper, magazine and online editorials, columns, and books, film and music reviews. Prerequisites: Full major status; MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4356C. Community Affairs.
A lecture-discussion course, dealing with the coverage of local economy and business, government and social services functions as well as political activities like elections and lobbying efforts. Prerequisites: Full major status, MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4356F. Feature Writing.
A course designed to expose students to the art of feature writing through the study of acclaimed works of literary journalism. Students will develop a narrative voice of their own while studying and analyzing the techniques of a diverse group of writers. (WI) Prerequisites: Full major status, MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4356G. Magazine Writing.
This course introduces students to long form nonfiction writing for magazines. Crafting longer pieces requires a honed set of skills that includes deft interviewing and observation, an understanding of structure and pace and powers of discernment and nuance. (WI) Prerequisites: Full major status, MC 1313 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4357. Sports as News.
This course emphasizes the reporting, writing and production of content for both print and electronic media. Students will interview players, coaches and administrators of collegiate athletics and work with media professionals to better understand challenges and demands of contemporary sports coverage. Prerequisites: Full-major status, MC 1313, MC 4382X (current)/ MC 4329 (fall 2017); a grade of "C" or better is required in all prerequisites.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MC 4376C. Public Relations Case Studies.
Public Relations Case Studies will seek, with case studies and problems, to help future practitioners develop agility in the principles and the application of effective two-way communications in a wide variety of situations likely to confront them and their employers. Prerequisites: Full major status, MC 1313, and MC 3343 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4376D. Public Relations Writing & Design.
Students will gain a broad understanding of the wide range of print publications and writing assignments found in public relations. They will learn how to research, organize, write and design a variety of print pieces for targeted audiences using a popular design and layout program. Prerequisites: Full major status, MC 1313 and MC 3343, all with a grade of "D" or better. (WI).
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4376F. International Strategic Communication.
This course will explore advertising and public relations practices in foreign countries through readings, discussion and site visits within media organizations in foreign countries. Marketing practices abroad will be compared to those in the United States.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4381. Fundamentals of Digital and Online Media.
Students will be introduced to topics related to digital/online media and mass communication. Course covers the effects of the Internet and related technologies on the fields of journalism, interactive advertising and public relations, search engines, personal branding, social networking and mobile platforms.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 4382L. Feature Writing and Freelancing.
This course is designed to introduce students to the technical expertise, research methods, interviewing skills and narrative techniques pertinent to feature writing. The course also explores how to target a feature story to a specific audience and how to submit feature stories for publication to newspapers and magazines. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4382O. Travel Journalism.
Exploration of techniques of writing journalistic travel narratives for the media. The course may involve travel at the student's own expense.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MC 4382Q. Media in Asia and Southeast Asia.
This course will study media systems in Asia and Southeast Asia and examine the different socioeconomic contexts and patterns of information flow.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4382R. Media Violence.
This course examines the relationship between exposure to media violence (TV, movies, video games) to aggressive behavior. It will introduce you to the most important published research in this study area as well as to the continuing controversy as to how, or even whether, media violence leads to aggressive behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4382Y. Mobile Storytelling in the Park.
This course will explore new tools and skills relevant to the digital age, particularly the usage of smart phones in storytelling. Students will use those skills to produce video content as part of a weekend in a state park.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 4386. Journalism Project.
This is a senior portfolio course integrating a variety of journalism skills to produce a substantial work ready for publication online and in print. Students will combine elements of writing and visual stortelling to produce an original collection of journalism. (WI) Prerequisites: MC 3383, MC 4337, and MC 4323; all with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

MC 5155. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5255. Teaching Techniques in Mass Communication.
Required of, and open only to, graduate teaching and instructional assistants as a condition of employment. This course provides training and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MC 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5301. Mass Media and Society.
A seminar devoted to analysis and discussion of significant contemporary issues in mass communication, including a study of the history of the development of mass communication media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5302. Research Methods in Mass Communication.
Investigation of the tools and techniques of both qualitative and quantitative research methods used in the study of mass communication, including surveys, content analysis, experimental designs and case studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5303. Theories of Mass Communication.
Examination of the literature of mass communication theory and discussion of theoretical approaches and models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5304T. Health Communication Campaigns.
Provides an overview of the theory and practice of designing, producing and evaluating health-communication campaigns. Examines persuasive approaches to behavioral change as well as audience, message and channel factors in health-campaign development. Emphasizes communication approaches, including mass media, social networking and new media.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MC 5304Y. Feature Writing.
This course provides an in-depth understanding of the technical expertise, research methods, interviewing skills and narrative techniques pertinent to feature writing. The course also explores how to target a feature story to a specific audience and how to submit feature stories for publication to newspapers and magazines, print and online. Prerequisite: MC 5324. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306B. The Psychology of Social Media.
This course reviews social cognitive theories and research about the way social media users both produce and consume social media messages. It will examine clinical psychological and psychiatric effects that take place among social media users who do not have a clinical diagnosis. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306F. Content Analysis.
Content analysis is a systematic way to analyze the content of documented communications, whether they are written, audio/visual or digital. This course will examine the methodological steps involved in conducting a quantitative content analysis, design and execute a content analysis study. Corequisite: MC 5303 or MC5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306H. Foundations For Mass Communication Graduate Studies.
This course will familiarize students with the structure of the mass communication discipline, prominent theorists and historical developments, as well as expose them to the process of research and writing in the discipline of mass communication. Corequisites: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306I. Collecting, Analyzing and Presenting Data.
This course will introduce students to skills for working with data as well as perspectives from which to think critically about the use of data in contemporary society. It will focus on three stages of working with data: collection, analysis and presentation. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306L. Refugees, Nonprofit Organizations and Strategic Communication.
This course analyzes strategic communication of nonprofit organizations serving refugees and asylum seekers. Students are introduced to organizations that serve these marginalized populations in Texas and to the problems, challenges and opportunities these organizations face. Students will conduct research and produce a project on an issue related to this topic. Corequisite: MC 5302 and MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306M. Social Media Strategies, Campaigns and Analytics.
This course will expose students to the principles and strategies behind social media campaigns. It will discuss the interactions, channels, SEO, and social media metrics used to gauge the success of a social media campaign. Students will also examine successful social media case studies. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306N. Mass Communication History.
History of Mass Media is a course that examines the development of the American mass media, including advertising and public relations, from 1690 to the present. Corequisite: MC 5303, MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306O. Global Media Systems.
This study abroad course prepares students to think critically and analytically about media systems and functions in different countries with emphasis on the location/s of the study abroad program. The course provides students with practical knowledge and insights gained by visiting media organizations abroad. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5306P. Global Strategic Communication Practices.
Students will analyze and discuss issues and challenges of contemporary global strategic communication practices and focus on gaining first-hand experience by visiting public relations, advertising and other communication agencies abroad. This course provides professional development and networking opportunities. Prerequisite: MC 5302 and MC 5303 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MC 5307. Project.
A major communication effort to demonstrate command of the skills necessary to work at advanced levels in mass communication. For example, it may be broadcast documentary, advertising or public relations campaign, or a newspaper series. This course is the master's capstone for those on the professional project track. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5308. Seminar in Strategic Communication.
This course broadens students' understanding of issues related to advertising and public relations through an integrated communication perspective. Students learn the decision-making process, learn what problems real organizations experience and evaluate how they resolve issues in such areas as client-agency relationships, strategic planning/management and globalization. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5309. Gender, Race, and Class in the Media.
This course takes a theoretical approach to the study of representations of gender, race, and class in the mass media. A historical overview will be followed by an in-depth look at current conditions. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5310. Global Media Issues.
This course examines the media systems worldwide in different socioeconomic contexts and studies the patterns of international information flow. The course includes theories governing international communication. Students learn how and why communication takes place between different nations and the impact of this communication on individual nations. (MULT). Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MC 5311. Independent Study.
Study of a special interest that offers academic or professional improvement and growth in the field of Mass Communication. May be repeated once with different emphasis for additional credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5312. Digital Media Design.
This course instructs students in Web development and design. Students learn Hypertext Markup Language (HTML) and Cascading Stylesheets (CSS) coding and are introduced to graphics and multimedia programs and web development frameworks. The class addresses the history and social implications of creating for the web. Prerequisite: MC 5334. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5313. Media Law and Ethics.
Study of laws and regulations as they pertain to media operations and the internal and external codes that guide media behavior. Freedom and responsibilities of the mass media practitioners and institutions will also be explored within the framework of ethical theories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5314. Strategies in Media Management.
This course offers an analysis and discussion of issues involved in digital and other media ownership and operation, including monopoly and competition, labor relations, human resource management and staffing, the politics of workplace supervision and market relations Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5315. Creative Problem Solving in Mass Communication.
This class examines the psychology of creativity and its application in mass communication to media management, broadcasting, advertising, and public relations. Students learn a variety of ideation techniques and structured creative problem solving methods to better understand their own creative thinking process and how to facilitate creative thinking in groups. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5316. Digital Media Issues.
This course will examine the role of digital media, including the Internet, Web and mobile technologies. Issues discussed will include social media and cyberculture research, technology diffusion, data journalism, analytics and the effects of digital technologies on society and culture, with a focus on ethics and regulation. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5317. Advanced Digital Media.
This course builds on web development skills to create interactive presentations and data visualizations. Students are introduced to advanced programming and data concepts relevant to communicators. Theoretical and practical considerations of emerging technologies to the media industry will be integrated with production techniques. Prerequisite: MC 5312. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MC 5318. Media Ethics.
The study of freedom and responsibilities of mass media practitioners and institutions, explored within the framework of ethical theories. Students will learn philosophical constructs as well as contemporary ethicists. Consideration of values, codes of ethics, moral development, professionalism, and institutional constraints as applied to media of information, persuasion and entertainment. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5319. Mass Media and Politics.
The class will review key literature in the area of mass media and politics. It examines the relationship between the press and the government, as well as how the mass media covers politics at the statewide and national level. Corequisite: MC 5303 or MC 5302.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5321. Latinos and Media.
An immersion into the study of Latinos, their representations in media, and media oriented to Latinos. The course will require students to engage in in-depth research about Latinos and media issues. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5322. Global Media Strategy in Advertising and Public Relations.
This course provides an in-depth examination of multinational communication organizations, including news media, public relations, and advertising companies. In addition, the course examines organizational roles, impact and strategic functions in a global marketplace. Students will evaluate case studies of how global organizations serve diverse audiences and clients. Prerequisite: MC 5310 with a grade of "B" or better; MC 5302; MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5323. Current Issues in Mass Communication.
This course examines current theoretical and professional issues in mass communication. This course may be repeated once with a different emphasis for credit. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5324. Media Writing.
This course is designed to impart media writing skills. Students will learn information gathering and interviewing skills, and narrative techniques pertinent to different mass media. Students will produce media pieces that could be published across a wide variety of media outlets. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5326. Strategic Communication Campaigns.
A comprehensive study of strategic communication campaign planning with emphasis on public relations and advertising. Students will combine theory and practice to develop, coordinate and evaluate advertising/public relations campaigns for key audiences. Prerequisite: MC 5302; MC 5303; MC 5308 with a grade of "B" or better; MC 5338 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5327. Visual Communication.
This course examines the principles, theories, and language of visual communication, emphasizing the evaluation and use of images in digital mass media. Students will learn about media influences on their perceptions of reality and their behavior, the elements of visual literacy, and multicultural and global perspectives in visual media. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5328. Digital Story Production.
This course involves discussion, development and analysis of multimedia stories, documentary video, and digital media. Students explore digital media techniques used in writing and producing multimedia stories. They learn visual aspects of storytelling and how to produce digital stories. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5329. Media Systems in Latin America.
Students analyze media systems Latin America within their historical, cultural and political contexts. The course provides a comparative perspective of the role of the media within the region, their national markets and international Latino market. Students will ground these investigations with theories of international communication and information flow. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MC 5330. Internship in Mass Communication.
Students acquire on-the-job experience in an off-campus media setting where they can apply the skills and knowledge acquired through mass communication graduate course work. Requires 180 hours of work off-campus, a written report, a portfolio of work product, and a supervisor's evaluation. Prerequisite: Departmental and Instructor approval. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5332. SXTXState Project.
This course involves attendance at and coverage of the South By Southwest Interactive Conference. Students will prepare for the event, attend panels, interview participants and produce digital content about the experience. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5333. Digital Media Entrepreneurship.
This course explores innovation and creativity associated with digital entrepreneurship. Students will be introduced to important concepts and ideas from thought leaders and innovators at the intersection of media and technology. Students will research and develop their own digital media products. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5334. Storytelling Across Platforms.
Students learn the tools, channels and techniques available for multimedia storytellers The course introduces new and emerging ways to tell stories, including social media, photo and video platforms, branding and audience engagement, mobile media and data visualization. Prerequisite: MC 5328. Corequisite: MC 5302 or MC 5303.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5335. Code Camp I.
Students are immersed in programming concepts relevant to communicators. Students will practice document object model manipulation using appropriate software to create interactive Web projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5336.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5336. Code Camp II.
Students are immersed in data and visualization concepts relevant to communicators. Students will create interactive data visualization projects. Prerequisite: MC 5312; with a grade of "B" or better. Corequisite: MC 5335.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MC 5337. Global Media in the Connected World.
Students will examine the prospects, challenges and applications of global media in areas such as socioeconomic development, political participation, digital divide, strategic communication, global crises and global entertainment. This course will critically analyze the role and use of traditional, digital and social media in a connected world. Prerequisite: MC 5302; MC 5303; MC 5310 with a grade of "B" or better; MC 5322 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5338. Ethics and Crisis in Strategic Communication.
Students will examine strategic communication practices throughout the stages of a crisis and ethical considerations. Special emphasis is placed on the crisis cycle, media relationships, image restoration, ethical responses, and organizational learning. Prerequisite: MC 5302; MC 5303; MC 5308 with grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MC 5399A. Thesis.
A scholarly study of communication behavior, the purpose of which is to broaden understanding of what mass media do, how they do it, and with what effects. It may be quantitative, historical or rely upon another appropriate methodology. No thesis credit is awarded until student has completed the thesis in MC 5399B. Prerequisite: Completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Prerequisite: MC 5399A and completed course work.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MC 7304A. Seminar in Advertising and Public Relations.
Analysis and discussion of the development and role of advertising and public relations in the field of mass communication. Prerequisite: Doctoral level standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MC 7304B. International Communication.
A review of international communication theories and a critical examination of the world media systems and information flow patterns. Prerequisite: Doctoral level standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Topics
Grade Mode: Standard Letter

MC 7311. Directed Research in Mass Communication.
Independent study of a specific mass communication research area. May be repeated with different emphasis for additional credit. Prerequisite: Doctoral level standing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Materials Science, Engineering, and Commercialization (MSEC)

MSEC 7100. Doctoral Assistant Development.
The course is designed to equip the doctoral students with skills and an understanding of proper procedures to be effective teaching assistants. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MSEC 7101. Commercialization Forum.
The course is a seminar series exposing students to commercialization issues. The series includes as speakers: successful entrepreneurs, businessmen, research directors, production and process control engineers, intellectual property and licensing experts, management consultants, and technology transfer specialists. Second year students will present business plans that they developed. Repeatable four times for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7102. MSEC Seminar.
This course is an introduction to current topics through reading of scientific literature with presentations by guest lecturers as the basis for weekly discussions. Students participate by choosing current, high-quality research articles for discussion and will present at least one article during the semester. Repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7103. Research in Materials Science, Engineering, and Commercialization.
This research course is for students in Materials Science, Engineering, and Commercialization who have not yet passed their candidacy exam, typically under supervision of the PhD Research Advisor. Repeatable (with MSEC 7203 & MSEC 7303 hours) for doctoral credit up to 6 hours.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7199. Dissertation.
Original research and writing in Materials Science, Engineering, and Commercialization, is to be accomplished under direct supervision of the PhD Research Advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester. Repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7203. Research in Materials Science, Engineering, and Commercialization.
This research course is for students in Materials Science, Engineering, and Commercialization who have not yet passed their candidacy exam, typically under supervision of the PhD Research Advisor. Repeatable (with MSEC 7103 and MSEC 7303 hours) for doctoral credit up to 6 hours.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7299. Dissertation.
Original research and writing in Materials Science, Engineering, and Commercialization, is to be accomplished under direct supervision of the PhD Research Advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester. Repeatable for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7301. Practical Skills in Commercialization and Entrepreneurship.
This course is the first of a two course series to impart business and commercialization skills by producing a business plan. Key areas covered include intellectual property law, technology transfer and licensing strategies, business plan development, business finance strategies, management structures, project management methods, statistical quality and process control.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7302. Leadership Skills in Commercialization and Entrepreneurship.
Leadership Skills in Commercialization and Entrepreneurship (3-0). This course is the second of a two course series to impart business and commercialization skills by producing a business plan. Key areas covered include intellectual property law, technology transfer and licensing strategies, business plan development, business finance strategies, management structures, project management methods, statistical quality and process control. Prerequisite: MSEC 7301 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7303. Research in Materials Science, Engineering, and Commercialization.
This research course is for students in Materials Science, Engineering, and Commercialization who have not yet passed their candidacy exam, typically under supervision of the PhD Research Advisor. Repeatable (with MSEC 7103 & MSEC 7203 hours) for doctoral credit up to 6 hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7304. Collaborative Research/Commercialization Experience.
This course allows Ph.D. level graduate students to initiate, conduct and participate in a collaborative research or commercialization experience with graduate faculty in addition to research conducted under MSEC 7103, MSEC 7303, MSEC 7199 and MSEC 7399. This course recognizes the collaborative nature of the scientific and commercialization enterprise. Repeatable for doctoral credit up to 6 hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MSEC 7310. Nanoscale Systems and Devices.
This course is an in-depth treatment of physical phenomena in nanoscale structures, and consequences for electronic, photonic, mechanical and other types of devices. The course provides a strong background in devices with applications in nanoelectronics, biomedical systems, micro- and nanoscale manipulation, adaptive optics, and microfluidics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7311. Materials Characterization.
This course covers skills and knowledge required for microscopy methods including transmission electron microscopy, scanning electron microscopy, scanning tunneling electron microscopy, atomic force microscopy, and confocal microscopy. It covers x-ray and neutron diffraction techniques including structure analysis, powder and glancing angle diffraction, pole figure, texture analysis, and small angle scattering.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7312. Thermodynamics and Kinetics for Material Scientists.
This course provides a solid understanding of thermodynamics and kinetics of materials, how the rules of thermodynamics and kinetics relate to real-world phenomena, such as phase transformations, phase diagrams, microstructural evolution, and how to use processing to produce a desired microstructure.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7315. Quantum Mechanics for Materials Scientists.
This course includes quantum-mechanical foundation for study of nanometer-scale materials, principles of quantum physics, stationary-states for one-dimensional potentials, symmetry considerations, interaction with the electromagnetic radiation, scattering, reaction rate theory, spectroscopy, chemical bonding and molecular orbital theory, solids, perturbation theory, and nuclear magnetic resonance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7320. Nanocomposites.
Characteristics of nanoparticles utilized in nanocomposites, techniques for surface modification, methods for nanoparticle dispersion forming nanocomposites, types of nanocomposites, characteristics of nanocomposites, analytical methods for characterization of composites, and common applications will be discussed. Particular attention will be given to the science and theories explaining the unique behavior of nanocomposites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7325. Principles of Technical Project Management.
This course includes planning, budgeting, identification of risks and risk mitigation approaches, resource allocation, review of milestones and schedules, and evaluating projects to measure success. Responsibilities of project managers in the areas of problem solving, motivating and managing creative technical staff in project and matrix organizations will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7330. Computational Materials Science.
Application of computational techniques to molecular and atomic modeling of materials is discussed along with quantum mechanical modeling, density functional theory approaches, forcefield based molecular modeling, mesoscale modeling, energy minimization, molecular dynamics, vibrational spectra, crystal structures, phase equilibria, physical property prediction, and electronic structure related to magnetic and electrical properties. Prerequisite: CHEM 3340 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7340. Biomaterials and Biosensors.
The course covers the growing field of biomaterials science including materials for prosthetics and implants, mimetic materials, biosensors, diagnostic devices, and drug delivery systems. Particular attention will be given to nanomaterials for diagnosis and treatment of diseases including targeted cancer treatments, drug delivery systems, and advanced imaging methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7350. Frontiers of Nanoelectronics.
This course provides an introduction to the operating principles of nanoscale electronic and optical devices. The emphasis is on how leading edge nano-fabrication technology takes advantage of quantum mechanics of reduced sizes and dimensions. Specific examples of devices based on quantum wells, wires, dots and molecular electronics are given.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7360. Nanomaterials Processing.
The course will cover various aspects of materials processing related to semiconductor devices. Topics covered include properties of electronic materials, thin film deposition, etching, lithography, and related device physics with an emphasis on the nanoscale. Fabrication and characterization techniques will be covered, including clean room usage. Prerequisite: MSEC 7401 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7370. Advanced Polymer Science.
Advanced topics in polymer science are discussed with a focus on high performance polymers such as high impact, conducting, shape memory, high temperature and the underlying phenomena that provide these unusual properties, and advanced polymer topic areas such as flame retardancy, barrier properties, dielectric properties, rheology, and fiber reinforced composites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7395A. Microwave & Power Device Physics and Materials.
This course will develop an understanding of basic microwave and power device physics and technology and the advanced materials that are used in today's cutting-edge research & development. The primary focus will be wide bandgap semiconductor materials and devices, and their performance metric versus the industry standard Si-based devices. Prerequisite: MSEC 7401 and MSEC 7402 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MSEC 7395B. Thin Film Photovoltaic Devices.
This course is a survey of the Materials Science of photovoltaic devices with emphasis on device physics including the photovoltaic effect, photon absorption, electrons and holes, generation and recombination, the pn-junction, charge separation, monocrystalline solar cells, thin film solar cells, III-V solar cells, and losses. Prerequisite: MSEC 7401 and MSEC 7402 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MSEC 7395C. Materials for Sustainable Energy.
This course introduces principles and applications of sustainable energy materials used for energy generation, conversion, and storage. Topics of study include principles (thermodynamics, kinetics, transport phenomena, equivalent circuits, catalysis, and electrochemistry) and selection and performance criteria important for applications including batteries, supercapacitors, fuel cells, electrolyzers, dielectrics, biomass, and piezoelectrics. Prerequisite: MSEC 7401 and MSEC 7402 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MSEC 7395D. Polymer Characterization and Processing.
This course will cover the concepts critical to the characterization and processing of organic polymers. Topics critical to characterization will include molecular weight determination, thermo/mechanical characterization, X-ray scattering, and polymer spectroscopy. Processing topics will include polymer rheology, principles of polymer processing, solution processing, and extrusion. Prerequisite: CHEM 4351 or CHEM 5351 or MSEC 7370 any with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MSEC 7395E. Industrial Ecology and Sustainability Engineering.
This course covers the basic principles of life cycle analysis (LCA) of engineered products, materials, and processes. Topics covered include: biological ecology, industrial ecology, resource depletion, product design, process design, material selection, energy efficiency, product delivery, use, end of life and LCA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MSEC 7395F. Catalysis in Materials Science.
This course introduces principles and applications of catalysis in materials science. The primary topics of study will include catalysis as a means of synthesizing materials and materials as catalysis. Subtopics will focus on specific catalysts (Ziegler-Natta, ROMP, and cross-coupling catalysts) and specific catalytic processes (hydrogenation, photoredox, and electrocatalysis).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MSEC 7395G. Applied Plasma Physics.
Applied plasma physics focusing on the broad range of technical plasma devices, and to analyze and describe the main plasma physical characteristics and principles of operation. Emphasis will be on physical insight, application, and problem solving. Prerequisite: MSEC 7401 and MSEC 7402 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MSEC 7399. Dissertation.
Original research and writing in Materials Science, Engineering, and Commercialization, is to be accomplished under direct supervision of the PhD Research Advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7401. Fundamental Materials Science and Engineering.
Course covers fundamentals of chemical kinetics, physical properties, and continuum mechanics. Topics include electronic and atomic structure, structure of crystalline materials, imperfections, thermodynamic and kinetic principles and equations for closed and open systems, statistical models, phase diagrams, diffusion, phase transformations, conservation laws, and kinematics.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7402. Advanced Materials Science and Engineering Concepts.
Fundamentals of quantum mechanics, physics of solid state, and physical electronics and photonics for advanced materials will be discussed. Topics will include quantum basis for properties of solids, lattice vibration, free electron model for magnetism, semiconductors, nanostructures and mesoscopic phenomena, superconductivity, and recent advances in new types of materials. Corequisite: MSEC 7315 or equivalent.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MSEC 7599. Dissertation.
Original research and writing in Materials Science, Engineering, and Commercialization, is to be accomplished under direct supervision of the PhD Research Advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester. Repeatable for credit.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7699. Dissertation.
Original research and writing in Materials Science, Engineering, and Commercialization, is to be accomplished under direct supervision of the PhD Research Advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester. Repeatable for credit.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MSEC 7999. Dissertation.
Original research and writing in Materials Science, Engineering, and Commercialization, is to be accomplished under direct supervision of the PhD Research Advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Mathematics (MATH)

MATH 1101. Math Education Intervention.
Students benefit from innovative, research-based approaches for learning mathematics, and this course will deliver supplemental mathematical instruction as one such intervention. Students will be assessed using college readiness indicators or other information to determine individualized approaches. The course is designed for students in 1000 level mathematics courses who feel they would benefit from additional course based support. Prerequisite: Departmental Approval. Corequisite: MATH 1312 or MATH 1315 or MATH 1316 or MATH 1319.
1 Credit Hour. 0 Lecture Contact Hours. 24 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 1300. Elementary Algebra.
A course to remediate and review basic academic skills in mathematics, including number concepts, computation, elementary algebra, geometry and mathematical reasoning. Credit earned for this course does not count toward any degree offered by the university.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Developmental/Remedial
Grade Mode: Developmental

MATH 1311. Intermediate Algebra.
This preparatory course for college algebra includes linear equations and inequalities, rational expressions, exponents and radicals, quadratics and word problems. This course is designed for students who've graduated from high school with no more than the minimum mathematics requirements or for students who've been away from mathematics for years. Prerequisites: TSI Assessment Test Score of 345 or more.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Developmental/Remedial|Lab Required
Grade Mode: Developmental

MATH 1312. College Statistics and Algebra.
A course covering linear and quadratic equations, inequalities, functions and their graphs, logarithms, systems of equations, and applications of mathematics. Special emphasis on statistical concepts including linear and quadratic regression, distributions confidence intervals, & hypothesis testing. This course is not intended to substitute for MATH 1315 as a prerequisite. Prerequisite: College Readiness in Mathematics according to the TSI regulations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020
Grade Mode: Standard Letter
TCCN: MATH 1342

MATH 1315. College Algebra.
A course covering linear and quadratic equations, inequalities, word problems, functions, logarithms, systems of equations and other college algebra topics as time permits. Prerequisite: College Readiness in Mathematics according to the TSI regulations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020
Grade Mode: Standard Letter
TCCN: MATH 1314

MATH 1316. Survey of Contemporary Mathematics.
(MATH 1332) A study of the uses of mathematics in society today. Emphasis is on concepts rather than technical details. May not be used as a prerequisite for any other mathematics course. Prerequisite: College Readiness in Mathematics according to TSI regulations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020
Grade Mode: Standard Letter
TCCN: MATH 1332

MATH 1317. Plane Trigonometry.
A course covering trigonometric functions, right triangles, radian measure, graphs of trigonometric functions, trigonometric identities, including multiple and half-angle identities, inverse trigonometric functions, trigonometric equations, oblique triangles, and complex numbers. Prerequisite: MATH 1315 with a grade of "C" or better, Accuplacer College Mathematics score of 86 or more, or Compass College Algebra score of 46 or more.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020
Grade Mode: Standard Letter
TCCN: MATH 1316

MATH 1319. Mathematics for Business and Economics I.
Topics from college algebra and finite mathematics which apply to business and economics including applications of equations and inequalities, simple and compound interest and annuities. Prerequisite: College Readiness in Mathematics according to the TSI regulations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020
Grade Mode: Standard Letter
TCCN: MATH 1324

MATH 1329. Mathematics for Business and Economics II.
Topics from finite mathematics and elementary differential calculus which apply to business and economics. Prerequisites: MATH 1315 or 1319 with a grade of "C" or better, ACT Mathematics score of 27 or more, SAT Mathematics score of 580 or more, SAT Math Section score of 600 or more, Accuplacer College Mathematics score of 86 or more, or Compass College Algebra score of 46 or more.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020
Grade Mode: Standard Letter
TCCN: MATH 1325

MATH 2311. Principles of Mathematics I.
Logical deductive reasoning, number theory, a rational development of the real numbers with the associated number structures and algorithms for the fundamental operations, including historical, philosophical and cultural significance. Prerequisite: MATH 1315 or MATH 1312; with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MATH 1350

MATH 2312. Informal Geometry.
Geometric measuring. Euclidean Geometry, and topics associated with informal geometry, including historical, philosophical, and cultural significance. Prerequisite: MATH 2311 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MATH 1351

MATH 2321. Calculus for Life Sciences I.
This course is designed to serve the needs of students in the life sciences. Topics will include: graphs, derivatives, exponents and logarithms, scientific notation, sequences, summation, and applications. Prerequisite: MATH 1315 with a grade of "C" or better, ACT Mathematics score of 24 or more, SAT Mathematics score 520 or more, SAT Math Section score of 550 or more, Accuplacer College Mathematics score of 86 or more, or Compass College Algebra score of 46 or more.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020
Grade Mode: Standard Letter
TCCN: MATH 2313

MATH 2328. Elementary Statistics.
This course is an algebra-based introduction to descriptive statistics, random sampling, design of experiments, probability and the Central Limit Theorem. Inferential statistics topics include the foundational concepts for confidence intervals and hypothesis testing for simple experiments. Prerequisites: MATH 1315, MATH 1312, with grades of "C" or better, MATH 2321, MATH 2417, MATH 2471; with a grade of "D" or better, ACT Mathematics score of 24 or more, SAT Mathematics score of 520 or more or SAT Math Section score of 550 or more.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MATH 1342

MATH 2331. Calculus for Life Science II.
Topics in this course will include: trigonometric functions, probability, integral calculus, differential equations, and applications. Prerequisites: MATH 2321 with a grade of "C" of better or MATH 2471 with a grade of "D" of better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 2358. Discrete Mathematics I.
This course is a study of discrete mathematical structures that are commonly encountered in computing hardware and software. Prerequisites: MATH 1315 with a grade of "C" of better, and MATH 2417 or MATH 2471 with a grade of "D" of better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MATH 2305

MATH 2417. Pre-Calculus Mathematics.
A survey of functions, trigonometry and analytic geometry to prepare students for calculus. Prerequisites: MATH 1315 with a grade of "C" or better, ACT Mathematics score of 24 or more, SAT Mathematics score of 520 or more, SAT Math Section score of 550 or more, Accuplacer College Mathematics score of 86 or more, or Compass College Algebra score of 46 or more.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020|Lab Required
Grade Mode: Standard Letter
TCCN: MATH 2412

MATH 2471. Calculus I.
This is the first course in differential and integral calculus which stresses limits as well as the applications of calculus to the problems of science. Prerequisites: MATH 2417 with a grade of "C" or better, ACT Mathematics score of 27 or more, SAT Mathematics score of 580 or more, SAT Math Section score of 600 or more, Accuplacer College Mathematics score of 103 or more, Compass Trigonometry score of 46 or more.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Mathematics Core 020|Lab Required
Grade Mode: Standard Letter
TCCN: MATH 2413

MATH 2472. Calculus II.
A continuation of differential and integral calculus including methods of integration, sequences and series, and introduction to partial derivatives. Prerequisite: MATH 2471 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: MATH 2414

MATH 2473. Integral Calculus with Multivariables and Series.
This course is a continuation of differential and integral calculus. Select topics from Calculus II and Calculus III are covered including methods of integration, sequences and series, and introduction to partial derivatives. Prerequisite: MATH 2471 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Component Area Core 090|Mathematics CAO 092
Grade Mode: Standard Letter
TCCN: MATH 2415

MATH 3305. Introduction to Probability and Statistics.
Basic probability models, generating functions and conditional probability, also discrete and continuous, univariate and bivariate distributions of random variables. Concepts of estimation, tests of hypothesis and statistical inference. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3306. Introduction to Statistical Methods.
This calculus-based statistics course covers basic descriptive statistics, concept of probability, binomial and normal probability distributions, sampling distributions, concepts of estimation and hypothesis testing, confidence Intervals, t-test, chi-square tests, simple linear regression, and one-factor analysis of variance. Prerequisites: MATH 2472 with a grade of "C" or better; 2.75 overall GPA. Restricted to Mathematics majors seeking teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3315. Modern Geometry.
Modern geometry with an emphasis on the triangle, circle, plane and Euclidian geometry, an historical aspects will be integrated into the course. May not be applied toward a minor in mathematics. Prerequisites: MATH 2321 or MATH 2471 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3323. Differential Equations.
A course covering solutions to the more common types of ordinary differential equations, especially those of first and second order, with emphasis on geometrical and physical interpretations. Prerequisite: MATH 2472 or MATH 2473; with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3325. Number Systems.
Algebraic construction of the natural numbers. Covers the basic vocabulary and proof techniques of abstract algebra, and the structural properties of the natural numbers, integers, rational, real and complex number systems. Prerequisite or Co-requisite: MATH 2471 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3330. Introduction to Advanced Mathematics.
An introduction to the theory of sets, relations, functions, countable and uncountable sets, and other selected topics. Algebraic structure and topological properties of Euclidean Space, and an introduction to metric spaces. Prerequisite: MATH2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3348. Deterministic Operations Research.
This course provides a broad overview of deterministic operations research techniques. Linear programming will be covered including the simplex method, duality and sensitivity analysis. Further selected topics are from integer programming, dynamic programming, scheduling models, game theory, and associated topics. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3373. Calculus III.
A course covering sequences and series, vectors, functions of several variables, partial derivatives, multiple integrals, line and surface integrals, and applications. Prerequisite: MATH 2472 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3375. Engineering Mechanics.
A course covering statics, using a vector approach to mechanics. The course is designed to satisfy the requirements of engineering Colleges. This course cannot be used to satisfy the requirements of Engineering degrees. Prerequisite: PHYS 1430. Prerequisite or Co-requisite: MATH 2472 all with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3376. Applied Linear Algebra.
This course covers linear algebra, matrix theory, and computational aspects of both. Topics include a variety of methods for solving systems and related properties. Emphasis is placed on topics useful in civil engineering, applied mathematics, and other disciplines, serving as a preparatory course for the finite element method. Students cannot receive credit for both MATH 3376 and MATH 3377. Prerequisite: MATH 2472 or MATH2473, with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3377. Linear Algebra.
An introductory course in linear algebra covering vector spaces, linear transformation, matrices, systems of linear equations, and inner product spaces. Prerequisite: MATH 2472 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3380. Analysis I.
A course covering the introduction to the theory of real functions. Topics include limits, continuity and derivatives and associated topics. Prerequisite: MATH 3330 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3383. Numerical Analysis I.
This course focuses on basic numerical methods in mathematics to the solution of functional problems in fields such as engineering and applied sciences. This course covers instructions in computer arithmetic, solutions of equations, interpolation, numerical differentiation/integration, and applications to scientific and industrial applications. Prerequisite: MATH 2472 with grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 3398. Discrete Mathematics II.
A continuation of discrete Mathematics I. Prerequisite: MATH 2358 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4302. Principles of Mathematics II.
Algebraic reasoning and probability with selected topics from quantitative reasoning, measurement, statistics, and geometry are integrated with middle school pedagogical practices such as inquiry learning and use of technology. Appropriate correlated lessons, writing components, and culturally responsive teaching are incorporated. Prerequisite: MATH 2312 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MATH 4303. Capstone Mathematics for Middle School Teachers.
A rigorous, integrated, analytical perspective of mathematical topics; quantitative reasoning, geometry and measurement, probability and statistics, number theory and algebraic reasoning. May not be applied towards a mathematics minor. Must be taken before student teaching. Prerequisites: Math 2331 or 2472 and Math 3315 with grades of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4304. Capstone Mathematics for Secondary Teachers (of Mathematics).
Basic concepts underlying algebra, geometry, trigonometry, and calculus taught from an advanced standpoint, including historical, philosophical, and cultural significance. May not be applied toward a minor in mathematics. Must be taken before student teaching. Prerequisite: MATH 3315 and MATH 2331 or MATH 2472 with grades of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4305. Probability and Statistics.
A course covering sample spaces, probability of events, binomial and multinomial distributions, random variables, normal approximations, statistical inference, and applications. Prerequisite: MATH 3305 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4306. Fourier Series and Boundary Value Problems.
Advanced solution methods for differential equations; partial differential equations; series approximations, Fourier series; boundary value problems typical of scientific applications. Prerequisite: MATH 3323 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4307. Modern Algebra.
A course covering elementary set theory, structures, functions, and concepts of modern algebra. Prerequisites: MATH 3330 with a grade of "C" or higher and MATH 3325 or 3377 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4311. Introduction to the History of Mathematics.
A survey of the development of major mathematical topics, including geometry, algebra, calculus, and advanced mathematics. Philosophical and cultural aspects will be integrated with the structure, theorems, and applications of mathematics. May not be applied toward a minor in mathematics. Prerequisite: MATH 3315 with a grade of "C" or higher and MATH 2331 or MATH 2472 with a grade of "C" or higher. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MATH 4315. Analysis II.
A continuation of MATH 3380. Topics include integration, series and sequences of functions and associated topics. Prerequisite: MATH 3380 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4330. General Topology.
Topics include introductory treatment of convergence, continuity, compactness, connectedness and fixed points in topological spaces with special emphasis on metric spaces. Prerequisite: MATH 3330 or MATH 3380 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4336. Studies in Applied Mathematics.
Selected topics including Laplace transforms, complex variables, advanced calculus for applications, calculus of variations, integral equations, intermediate differential equations, vector analysis, etc. May be repeated once for credit with a different topic. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MATH 4337A. Topological Data Analysis.
This research-based course introduces students to computational topology and topological data analysis. In addition to studying existing data studies from the recent scientific literature, students will also analyze a data set they have personally chosen. Students will present their progress and results both orally and in writing. Prerequisite: MATH 3377.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MATH 4337B. Research in Discrete Mathematics.
This course is an introduction to creative mathematical activities. It provides an opportunity to perform research in discrete mathematics, as well as to learn how to present mathematical results both orally and in writing. These skills are essential for those students continuing into graduate studies. Prerequisite: Texas State GPA 3.25; MATH 2358. Corequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MATH 4337C. Numerical Methods for Ordinary Differential Equations.
This research-based course has students investigate known methods of numerically solving ordinary differential equations (Runge-Kutte, Adams, Predictor-Corrector, etc.). Students will research the effect of variations on these methods by implementing their algorithm modifications in mathematical software and reporting on their results. Prerequisite: MATH 3373; MATH 3377.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

MATH 4337D. Topics in Topology.
This course introduces students to modern research methods in topology. Specific topics will vary based on student interest and input, but the basic concepts and methods of algebraic topology (homology and cohomology groups, homotopy groups), homotopy theory, and simplicial methods form the backbone of this course. Prerequisite: MATH 4330 with a grade of "C" or better and a minimum 2.0 Texas State GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 4350. Introduction to Combinatorics.
This course introduces fundamental concepts and results in combinatorics such as counting techniques, binomial coefficients, and recurrence relations; and applications in different fields such as complexity of algorithms and graph theory. Mathematical proofs are an essential part of this course. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4382. The Literature and Modern History of Mathematics and Its Applications.
This course will focus on mathematical articles in recent journals. The articles will be re-written so that the proofs and comments are more easily understood by the casual reader. This embellishment of journal articles will take place in class with the class participating, in groups for outside work and as individual assignments. May not be applied toward a minor in mathematics. Prerequisites: A grade of "C" or better in two of these three: MATH 3380, MATH 4307, or MATH 4330. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

MATH 4383. Numerical Analysis II.
This course focuses on a broad range of mathematical and computational methods in modeling, analysis, and simulation of scientific and engineering problems. This course covers instructions in numerical analysis, approximation, optimization, differential equations, scientific computation, and applications to scientific and industrial topics. Prerequisites: MATH 3383 and MATH 3323, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 4393. Introduction to Finite Element Methods.
This course introduces weak formulations of the partial differential equations and the finite element approximation of this weak form. Theory and computations are balanced. Topics include finite element methods for approximating solutions of partial differential equations and related properties. Emphasis topics are in civil engineering, applied mathematics, and related disciplines. Prerequisite: MATH 3376 or MATH 3377 and MATH 3383; each with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5111. Graduate Assistant Training.
This course is concerned with techniques used in the teaching of mathematics. This course is required as a condition of employment for graduate teaching and instructional assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5301. Partial Differential Equations.
Theory and application of partial differential equations; derivation of the differential equation; use of vector and Tensor methods; equations of the first order; wave equations; vibrations and normal functions; Fourier series and integral; Cauchy's methods, initial data; methods of Green; potentials; boundary problems; methods of Riemann-Volterra; characteristics. Prerequisites: MATH 3323 and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5303. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress. Cannot be used on a degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5304. Topics in Mathematics for the Secondary Teacher.
A study of the current trends and topics found in the secondary school mathematics curriculum with the goal of improving the mathematical background of the secondary teacher. Course content will be flexible and topics will be selected on the basis of student needs and interests. Cannot be used on degree plan for M.S. degree. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5305. Advanced Course in Probability and Statistics.
Advanced topics in probability and statistics. May be repeated once with different emphasis for additional credit. Prerequisite: MATH 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5306. Ring Theory.
Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5307. Modern Algebra.
Topics in modern algebra. Material will be adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5311. Foundations of Differential Equations.
A critical study of the foundations of derivation equations, operator spaces, and such basic topics. Recent developments in this field will be investigated and independent investigation will be encouraged. Prerequisite: MATH 3373 with a grade of "C" or better, and either MATH 3380 or MATH 5382.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5312. Functions of a Complex Variable.
Modern developments in the field of a complex variable. Prerequisite: MATH 3373 with a grade of "C" or better; and MATH 3380 or MATH 5382; and MATH 4315 or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5313. Field Theory.
Topics in field theory, separable extensions, and Galois Theory. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5314. Number Theory.
Topics in algebra selected from quadratic forms, elementary number theory, algebraic or analytic number theory, with material adapted to the needs of the class. Prerequisite: MATH 4307 with a grade of "C" or better, or MATH 5384 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5315. Mathematical Statistics.
This course discusses theoretical aspects of estimation theory and hypothesis testing procedures, with some of their important applications. The main topics include convergence of random variables, parameter estimation, properties of estimators, interval estimation, sufficiency and applications to the exponential family, hypothesis testing, decision theory, and Bayesian inference. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5317. Problems in Advanced Mathematics.
Open to graduate students on an individual basis by arrangement with the mathematics department. A considerable degree of mathematical maturity is required. May be repeated with different emphasis. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 5319. The Theory of Integration.
A course in the theory of integration with special emphasis on the Lebesgue integrals. A course in the theory of real variables, with a knowledge of point set theory, is desirable as a background for this course. A considerable amount of mathematical maturity is required. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5329. General Topology.
Point-set topology with an emphasis on general topological spaces; separation axioms, connectivity, the metrization theorem, and the C-W complexes. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5331. Metric Spaces.
Point-set topology with an emphasis on metric spaces and compactness but including a brief introduction to general topological spaces. Prerequisite: MATH 4330 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5336. Studies in Applied Mathematics.
Topics selected from optimization and control theory, numerical analysis, calculus of variations, boundary value problems, special functions, or tensor analysis. May be repeated with different emphasis for additional credit. Prerequisites: Six hours of advanced mathematics pertinent to topic and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5340. Scientific Computation.
This course will involve the analysis of algorithms from science and mathematics, and the implementation of these algorithms using a computer algebra system. Symbolic numerical and graphical techniques will be studied. Applications will be drawn from science, engineering, and mathematics. A knowledge of differential equations is expected. Prerequisite: Consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MATH 5345. Regression Analysis.
This course introduces formulation and statistical methodologies for simple and multiple regression, assessment of model fit, model design, and criteria for selection of optimal regression models. Students will develop skills with the use of statistical packages and the writing of reports analyzing a variety of real-world data. Prerequisite: MATH 2472.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5350. Combinatorics.
This course, covers permutations, combinations, Stirling numbers, chromatic numbers, Ramsey numbers, generating functions, Polya theory, Latin squares and random block design. Prerequisite: MATH 3398 or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5355. Applied and Algorithmic Graph Theory.
This course is designed to emphasize the close tie between the theoretical and algorithmic aspects. The topics may include basic concepts such as connectivity, trees, planarity, coloring of graphs, matchings, and networks. It also covers many algorithms such as Max-flow Min-cut algorithm, maximum matching algorithm, and optimization algorithms for facility location problems in networks. Prerequisite: MATH 5388 or MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5358. Applied Discrete Mathematics.
Boolean algebra, counting techniques, discrete probability, graph theory, and related discrete mathematical structures that are commonly encountered in computer science. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5360. Mathematical Modeling.
This course introduces the process and techniques of mathematical modeling. It covers a variety of application areas from the natural sciences. Emphasis is placed on deterministic systems, stochastic models, and diffusion. Prerequisite: MATH 3373, MATH 3323, and MATH 5301, or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5373. Theory of Functions of Real Variables.
This course will discuss those topics that will enable the student to obtain a better grasp of the fundamental concepts of the calculus of real variables and the more recent developments of this analysis. Prerequisite: MATH 4315 with a grade of "C" or better, or departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5374. Numerical Linear Algebra.
This course introduces tools that mathematical scientists use with vectors and matrices. Applications include least squares and eigenvalue problems, and systems of equations from applied mathematics. The stability of algorithms to perturbations are considered. Theory is balanced with numerically implementing algorithms, in particular for iterative methods for large, sparse systems. Prerequisite: MATH 3377 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5376A. Design and Analysis of Experiments.
This course introduces fundamental concepts in the design of experiments, justification of linear models, randomization and principles of blocking. It also discusses the construction and analysis of basic designs including fractional replication, composite designs, factorial designs, and incomplete block designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376B. Analysis of Variance.
This course introduces basic methods, one-way, two-way ANOVA procedures, and multifactor ANOVA designs. Prerequisite: Approval of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 5376C. Survival Analysis.
This course introduces basic concepts and methods in the analysis of survival data. Topics include characteristics of survival data, basic functions, parametric models for survival time, maximum likelihood estimation of survival function, two-sample test techniques, regression analysis with parametric and semi-parametric models, and mathematical and graphical methods for model checking. Prerequisite: Math 5315; or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5376D. Statistical Applications in Genetics and Bioinformatics.
The statistical concepts and methods to be covered include important probability distributions, analysis of variance, regression analysis, hidden Markov model, and Markov Chain Monte Carlo methods. These methods will be used to address important and challenging questions arising in the analysis of large genetic and bioinformatic datasets. Prerequisite: Math4305 or equivalent.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 5381. Foundations of Set Theory.
A formal study of the theory of sets, relations, functions, finite and infinite sets, set operations and other selected topics. This course will also train the student in the understanding of mathematical logic and the writing of proofs. Prerequisite:MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5382. Foundation of Real Analysis.
A course covering the foundations of mathematical analysis. Topics include: real numbers, sequences, series, and limits and continuity of functions. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5384. Geometric Approach to Abstract Algebra.
Definitions and elementary properties of groups, rings, integral domains, fields and vector spaces with great emphasis on the rings of integers, rational numbers, complex numbers, polynomials, and the interplay between algebra and geometry. Prerequisite: MATH 5381.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5386. Knots and Surfaces, An Introduction to Low-Dimensional Topology.
Knot polynomials and other knot invariants. The topological classification of surfaces and topological invariants of surfaces. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5388. Discrete Mathematics.
This course covers topics from: basic and advanced techniques of counting, recurrence relations, discrete probability and statistics, and applications of graph theory. Prerequisites: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5390. Statistics.
This course will cover not only some of the basic statistical ideas and techniques but also the mathematical and probabilistic underpinnings of these techniques with an emphasis on simulations and modeling. The planning, conducting, analysis, and reporting of experimental data will also be covered. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5392. Survey of Geometries.
A study of topics in geometry including geometrical transformations, the geometry fractals, projective geometry, Euclidean geometry, and non-Euclidean geometry. Prerequisite: MATH 2472 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5393. Numerical Optimization.
This course focuses on optimization methods for a broad range of applications, such as engineering and applied sciences. Subjects are the basic theory of optimization, numerical algorithms to locate points satisfying optimality conditions and to analyze the convergence properties. Prerequisites: MATH 2472 and MATH 3377 and MATH 3383, all with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 5399A. Thesis.
This course represents a student’s initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Mathematics 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5399B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5599B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 5999B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7111. Seminar in Teaching.
Seminar on individual study projects concerned with selected problems in the teaching of mathematics. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MATH 7187. Seminar in Mathematics.
Students are required to attend weekly research seminars in mathematics and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7188. Seminar in Mathematics Education.
Students are required to attend weekly research seminars in Mathematics Education and to give at least one research presentation in the seminar during the semester. This course is repeatable for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7199A. Dissertation.
Original research and writing in Mathematics Education to be accomplished under direct supervision of the dissertation advisor. While conducting dissertation research and writing, students must be continuously enrolled each long semester.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7299A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7301. Studies in Mathematics.
This course provides basic foundations in Mathematics for students entering the doctoral program in Mathematics Education. This course may be repeated. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MATH 7302. History of Mathematics.
A study of the development of mathematics and of the accomplishments of men and women who contributed to its progress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7303. Analysis I.
This course covers foundations of modern analysis. Topics include: sequences, LimSup, LimInf, Sigma Algebras of sets that include open and closed sets, sequences of functions, pointwise and uniform convergence, lower and upper semi-continuity, Borel sets, outer measure, and Lebesgue measure. Prerequisite: MATH 4315.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7306. Current Research in Math Education.
This course surveys the various current social, political, and economic trends in local, state, national, and international settings that are related to research in Mathematics Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7307. Algebra I.
Applications of Algebra and topics in modern algebra, including permutation groups, symmetry groups, Sylow theorems, and select topics from Ring Theory. Prerequisite: MATH 4307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7309. Topology I.
A course in point-set topology emphasizing topological spaces, continuous functions, connectedness, compactness, countability, separability, metrizability, CWcomplexes, simplicial complexes, nerves, and dimension theory. Prerequisite: MATH 4330.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7313. Analysis II.
This course covers the theory of integration with special emphasis on Lebesgue integrals. Topics include: Lebesgue integral, Bounded Convergence theorem, differentiation and integration, absolute continuity, and Lp spaces. Prerequisite: Math 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7317. Algebra II.
A study of the important algebraic structures of rings and fields. Topics covered include rings, ideals, modules, polynomial rings, Euclidean algorithm, finite fields, and field extensions. Topics also include an introduction to Galois Theory with an emphasis on the geometric applications. Prerequisite: MATH 7307.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7319. Topology II: Algebraic Topology.
This course covers the fundamental concepts and tools of algebraic topology. Topics include the fundamental group, covering spaces, homotopy type, the higher homotopy groups, singular homology theory, and the computation of homology groups via exact sequences and applications. Prerequisite: MATH 7307 and MATH 7309.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7321. Graph Theory.
Topics in this course include trees, connectivity of graphs, Eulerian graphs, Hamiltonian graphs, planar graphs, graph coloring, matchings, factorizations, digraphs, networks, and network flow problems. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7324. Curriculum Design & Analysis.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques that are related to curriculum design in Mathematics Education for grade levels P-16.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7325. Statistics 1.
A study of the mathematical and probabilistic underpinnings of the techniques used in statistical inference. Topics covered include sampling, sampling distributions, confidence intervals, and hypothesis testing with an emphasis on both simulations and derivations. Prerequisite: Math 2321 and Math 3305.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7328. Instructional Techniques & Assessments.
This course examines, analyzes, and evaluates the various concepts, topics, methods, and techniques of instruction in Mathematics Education and the related assessment procedures for each for grade levels P-20.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7331. Combinatorics.
This course is a study of fundamental principles of combinatorics. Topics include: permutations and combinations, the Pigeonhole principle, the principle of inclusion-exclusion, binomial and multinomial theorems, special counting sequences, partitions, posets, extremal set theory, generating functions, recurrence relations, and the Polya theory of counting. Prerequisite: MATH 3398.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7335. Statistics II: Linear Modeling.
A study of the formulation and statistical methodologies for fitting linear models. Topics include the general linear hypothesis, least-squares estimation, Gauss-Markov theorem, assessment of model fit, effects of departures from assumptions, model design, and criteria for selection of optimal regression models. Prerequisite: MATH 3377 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7346. Quantitative Research Analysis in Mathematics Education.
This course surveys the various research techniques used in quantitative analysis for mathematics education and covers topics such as experimental design, statistical analysis, and use of appropriate design methodologies to achieve the strongest possible evidence to support or refute a knowledge claim. Prerequisite: MATH 7306 and MATH 7325.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7356A. Advanced Quantitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in quantitative research. Prerequisite: MATH 7346.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7356B. Advanced Qualitative Research.
This course encompasses investigation, development, and demonstration of competence, design, and execution for mathematics education problems in qualitative research. Prerequisite: ED 7352 or CI 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7356C. Action Research in Mathematics Education.
This course examines underlying theory and issues in action research model and the development of action research projects. Prerequisites: MATH 7346 or ED 7352.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7361. Seminar in Advanced Mathematics.
Material in course will vary with the interest of students and faculty. A detailed study of subject matter may be chosen from advanced areas of analysis; algebra; topology and geometry; applied mathematics; and probability and statistics. This course is repeatable for credit when subject matter varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7366A. Teaching Post-Secondary Students (Developmental Math, Service Courses, and Majors).
This course examines how to develop and teach post-secondary students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisites: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366B. Teaching K-12 Students (Elementary, Middle School, and High School).
This course examines how to develop and teach K-12 students. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366C. Teaching Teachers (In-Service; Pre-Service).
This course examines how to prepare teachers of mathematics. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366D. Teaching Specialized Content.
This course will be an in-depth study of a specialized content area in mathematics with an emphasis on teaching. The specific content area will vary by instructor. Examples include Euclidean Simplex Geometry and Discrete Probability Spaces with Implications for Public School Curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7366E. Developmental Mathematics Curriculum.
This course surveys the research, development, and evaluation of the scope and sequence of developmental mathematics curriculum. The course references the recommendations of government agencies and professional organizations and allows for the investigation of research-based models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7366F. Research in Undergraduate Mathematics Education I.
Students will develop the requisite knowledge to become a good consumer of Research in Undergraduate Mathematics Education (RUME) research. The course will cover the theoretical underpinnings of current and historic RUME research. Students will develop the knowledge to understand relevant theoretical stances and the role they play in research. Prerequisite: Math 7306 or permission from the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7371A. Advanced Graph Theory.
Topics in this course include Turan's problems, Ramsey theory, random graph theory, extremal graph theory, algebraic graph theory, domination of graphs, distance problems, and applications. Prerequisite: MATH 7321.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371B. Advanced Combinatorics.
Topics in this course include Block designs, Latin squares, combinatorial optimization problems, coding theory, matroids, difference sets, and finite geometry. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371C. Combinatorial Number Theory.
A study of fundamental techniques in combinatorial number theory. Topics will include Waring's problem, additive number theory, and probabilistic methods in number theory. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371D. Discrete Optimization.
A study of some fundamental techniques in discrete optimization. Topics include discrete optimization, linear programming, integer programming, integer nonlinear programming, dynamic programming, location problem, scheduling problem, transportation problem, postman problem, traveling salesman problem, matroids, and NP-completeness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371E. Algorithms and Complexity.
A study of some fundamental concepts of computability and complexity. Topics include polynomially bounded problems, NP-complete problems, exponentially hard problems, undecidable problems, and reducibility. Prerequisite: MATH 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371F. Probabilistic Methods in Discrete Mathematics.
A study of some fundamental probabilistic techniques used to solve problems in graph theory, combinatorics, combinatorial number theory, combinatorial geometry, and algorithm. Topics include linearity of expectation, alterations, second moment, local lemma, correlation inequalities, martingales, Poisson paradigm, and pseudo-randomness. Prerequisites: MATH 7321 and 7331.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371G. Applied Discrete Mathematics.
This course introduces fundamental concepts in logic, Boolean algebra, and binomial coefficients; and applications in different fields such as complexity of algorithms and network theory. Prerequisites: MATH 2472 and MATH 4307, all with a grade of “C” or better, or with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7371H. Combinatorial Networks.
Combinatorial Networks is an area of study of certain types of networks using combinatorial methods extensively. This course introduces fundamental basics as well as the latest development in this area of research. Prerequisite: MATH 5307/7307 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375C. Time Series Analysis.
A study of the theory of time-dependent data. The analysis includes modeling, estimation, and testing; alternating between the time domain; using autoregressive and moving average models and the frequency domain; and using spectral analysis. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7375D. Advanced linear Modeling.
The course provides an extension of regression methodology to more general settings where standard assumptions for ordinary least squares are violated. Topics include generalized least squares, robust regression, bootstrap, regression in the presence of autocorrelated errors, generalized linear models, and logistic and Poisson regression. Prerequisite: MATH 7335.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378A. Problem Solving, Reasoning, and Proof.
A study of the fundamental concepts of problem solving, logic, set theory, and mathematical proof and applications of these concepts in mathematics curriculum for grades P-20. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378B. Connecting and Communicating Math.
This course examines one of the basic principles involved in mathematics education: Connecting and Communicating Mathematics. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378C. Representing Fundamental Math Ideas (Function, Data Analysis, and Enumeration).
This course examines the basic principles involved in mathematics education. The process of representing fundamental mathematical ideas will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378D. Math Technologies.
This course examines the basic principles involved in mathematics education: Technology. This fundamental theme will be reviewed, researched, and discussed. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MATH 7378E. Developmental Mathematics Perspectives.
This course examines developmental mathematics-specific strands including technological course support and placement tools/decisions. Issues related to the first mathematics core course required of undergraduates will aslo be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7378F. Research on Mathematical Problem Solving in Secondary Schools.
In this course a careful study is made of elementary techniques for problem solving in a variety of domains, including algebra, number theory, combinatorics, geometry, and logic puzzles. Students will learn these techniques by actually working on a collection of problems in each of these areas. Students will read and examine research about various aspects of problem solving and research in math education that includes both teacher training and student learning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7378G. Discourse Processes, Traditions, and Analysis in Mathematics Education.
Discourse and discourse analysis have been used to answer research questions across disciplines throughout the humanities and social sciences. This course will focus on theory and methods for the analysis of discourse in mathematical settings. We will learn how different approaches to discourse are used to understand mathematics learning. Prerequisite: MATH 7306.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MATH 7385. Independent Study in Mathematics.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of mathematics. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7386. Independent Study in Mathematics Education.
Student will work directly with a faculty member and develop in-depth knowledge in a specific topic area of Mathematics Education. Topics vary according to student's needs and demands. Repeatable with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7389. Internship.
Students will work under the supervision of a faculty member to gain practical knowledge in Mathematics Education. Student experience can come from industry, government agencies, or other sources but must directly apply to furthering knowledge of mathematics education or its application.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

MATH 7396. Mathematics Education Research Seminar.
Collaborative research projects with faculty through identifying an educational issue, reviewing literature, creating a research question, designing a methodology, analyzing data, drawing conclusions, implications, and creating a draft of a publishable paper. Prerequisite: MATH 7356, and ED 7352 or MATH 7346, all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7399A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7599A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7699A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MATH 7999A. Dissertation.
This course represents a Mathematics Education student's dissertation enrollments. The course can be repeated as necessary. The dissertation credit (18 hours) will not be awarded until the dissertation is submitted for binding. Prerequisite: completion of the core and required concentration courses, or approval of student's dissertation advisor.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Mathematics for Teacher Education (MTE)

MTE 5301E. Visual Models for Middle School Mathematics.
This course uses visual models to motivate understanding of the fundamental concepts underlying middle school mathematics. Pedagogical techniques to engage middle school students will also be addressed including inquiry-based instructional methods utilizing these visual models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301F. Implementing New Mathematics Curriculum.
In this course we will investigate the keys to successfully implementing new curriculum. Two main aspects considered are: 1) the mathematical content knowledge required for a new curriculum and 2) how to build a community of practice which provides support during the implementation process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5301G. Mathematics for Teaching.
A study of the current trends and topics found in the secondary school mathematics curriculum taught from an advance perspective. Course context will be flexible and topics will be selected on the basis of student needs and interests.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5302A. Quantitative Reasoning.
This course covers current pedagogy, curriculum, and methods related specifically to the teaching of middle school mathematics. Some of the topics explored are curriculum theory, instructional theory, learning theory, problem solving, national and state standards and assessment, discovery learning, assessment methods, manipulative, and technology in the classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

MTE 5311. Quantitative Reasoning.
This course will focus on numerical reasoning and problem solving with particular attention being placed on strategies for solving problems, methods for mental computation and computational estimation, and algorithmic processes being taught in a studentcentered atmosphere where teachers are free to take risks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5313. Geometry and Measurement.
This course will focus on using spatial reasoning to investigate the concepts of direction, orientation, shape and structure; using mathematical reasoning to develop and prove geometric relationships; using logical reasoning and proof in relation to the axiomatic structure of geometry; using measurement of geometry concepts to solve real-world problems. 5315 Algebraic Reasoning. (3-0) This course will focus on using algebraic reasoning to.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5315. Algebraic Reasoning.
This course will focus on using algebraic reasoning to investigate patterns, make generalizations, formulate mathematical models, and make predications; using properties, graphs, and applications of relations and function to analyze, model and solve problems; and making connections among geometric, graphic, numeric and symbolic representation of functions and relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5317. Math Modeling.
This course will focus on modeling problems, applying appropriate mathematical analysis and drawing conclusions from the analysis; solving problems recursively, using linear and non-linear functions and using geometry and discrete mathematics to solve problems in Science, Music, and Art. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5319. Concepts of Calculus.
A first course in differential and integral calculus. The student will explore the slope of secant lines, average velocity, limit, instantaneous velocity, derivative, slope of a curve at a point, area under a graph, integrals, fundamental theorem of calculus, and applications. Prerequisite: MTE 5317 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5321. Probability and Statistics.
This course will deal with using graphical and numerical techniques to explore date, characterize patterns, and describe departures from patterns; designing experiments to solve problems; understanding the theory of probability and its relationship to sampling and statistical inference and its use in making and evaluating predication. Prerequisite: MTE 5315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MTE 5323. Logic and Foundations of Mathematics.
This course will consist of an introduction to fundamental mathematical structures and techniques of proof. Topics will include: logic, set theory, number theory, relations, and functions. Emphasis will be placed on communication about mathematics and construction of well-reasoned explanations. Prerequisite: MTE 5313 and MTE 5319 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Merchandising and Consumer Studies (MCS)

MCS 5199B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. No thesis credit is awarded until student has completed MCS 5399B.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MCS 5299B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. No thesis credit is awarded until student has completed MCS 5399B.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MCS 5301. Research Methods in Merchandising and Consumer Studies.
This course covers the evaluation of research concepts, methods, and strategies in family and consumer sciences. Topics include the nature of scientific research, sampling, measurement, data collection, data analysis, and evaluation of research reports.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MCS 5302A. Merchandising in the Experience Economy.
Students will use an interdisciplinary approach and applicable theories to understand consumer demand and the impact on product and service development and transformation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MCS 5302B. Merchandising Strategies in Domestic and International Markets.
This course will emphasize strategic planning as a result of analysis of current trends in domestic and global markets.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MCS 5302C. Buying, Planning and Allocation.
This course will examine strategies in buying, planning and allocation in the retail setting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MCS 5303. Sustainable Textiles.
This course is an in-depth study of the relationship of fibers, fabrics, finishes and textile products end-uses with a particular focus on their impact on sustainability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MCS 5330. Merchandising and Consumer Theory and Research.
Students will learn how to critically evaluate theoretical concepts in merchandising theory, seminal merchandising literature, research, and methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MCS 5331. Strategic Merchandise Planning.
Students will synthesize past and present trends to forecast demand for value-added merchandise that satisfies the needs of individuals, families, and communities. Students will strategically analyze and evaluate consumer feedback in the planning process for profitable merchandising enterprises.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MCS 5332. Innovation in the Global Market.
This course addresses how to create value and growth through innovation in new and existing global markets with a focus on identification of theories and models to understand the innovation and consumer adoption process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MCS 5333. Global Sourcing and Distribution.
The critical evaluation and integration of opportunities and challenges encountered in the manufacturing, distribution, and final acquisition of textile and apparel products in the global environment will be examined in this course. Restricted to Merchandising and Consumer Studies majors only or consent of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MCS 5336. Culture, Society, and Dress.
This course will examine social science theories and concepts as they relate to dress, appearance, and the body. Fashion trends and consumer adoption patterns will also be explored using social science theories to analyze consumer behavior and predict future market directions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MCS 5341. Ethics in Merchandising and Consumption.
Students in this course will identify ethical issues that result from consumer-business interaction. Ethical decision-making will be discussed as it impacts consumer well-being, long-term business success and the conventions of acceptable business practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MCS 5342. Sustainable Consumer Economy.
This course is an in-depth study of the role of consumption in the development of sustainable systems including the family, natural resources and economics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MCS 5346. Foundations of Merchandising and Consumer Studies.
This course will cover the foundations of merchandising and consumer studies. Topics will include consumer decision-making and market behavior, the fashion supply and production systems, textile materials and sourcing, merchandise pricing and effective product management throughout the product life cycle, and fashion promotion. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MCS 5390. Merchandising and Consumer Studies Practicum.
This course will provide an opportunity for students to obtain professional knowledge and skills in a site that is associated with merchandising and consumer studies. This is a field-based experience. This course is graded on a CR/NC basis. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MCS 5391. Seminar in Merchandising and Consumer Studies.
The course is an in-depth study of two or more topics or emerging issues of particular relevance to merchandising and consumer studies professionals. This course may be repeated once with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MCS 5398. Directed Study in Merchandising and Consumer Studies.
Students will complete individual work with specific guidance from graduate faculty. The work may include participation in research, professional practice, and/or critical review of the scientific literature on topics such as sustainability, consumer education or business ethics. This course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MCS 5399A. Thesis.
This course represents a student's initial thesis enrollment. Focus is on identification of thesis topic, review of literature, and research design. No thesis credit is awarded until student has completed the thesis in MCS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MCS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. No thesis credit is awarded until student has completed MCS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MCS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. No thesis credit is awarded until student has completed MCS 5399B.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MCS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. Focus is on data collection, analysis, and writing of thesis. No thesis credit is awarded until student has completed MCS 5399B.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Military Science (MS)

MS 1000. Leadership Laboratory.
This course concentrates on practical leadership training. Must be taken concurrently with all other MS courses. Repeatable for credit with different emphasis.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MS 1211. Foundations of Officership.
This course introduces the Army profession and the role of the commissioned officer. It focuses on leadership, ethics and military customs as well as practical skills like physical fitness and stress management. Corequisite: MS 1000 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MS 1212. Basic Leadership.
This course is designed to broaden the introduction to the Army and the skills needed to be a successful Army officer. It focuses on leadership, communication and problem solving as well as nutrition and personal development. Corequisite: MS 1000 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MS 2211. Individual Leadership Studies.
This course is designed to develop the student's self-confidence, leadership skills and problem solving abilities. It focuses on critical thinking, communication and conflict resolution skills.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MS 2212. Leadership and Teamwork.
This course focuses on self-development guided by group processes. Experiential learning activities are designed to challenge current beliefs, knowledge and skills. This course also provides equivalent preparation for the ROTC Advanced Course and the Leaders Training Course.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MS 2313. American Military Studies and Battle Analysis.
This course is designed to study Military History as it applies to the principles of war and current military doctrine. Students will analyze historical battles and lessons learned and apply them to the modern battlefield. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MS 3311. Leadership and Problem Solving I.
This course is designed to enable a student without prior military experience to rapidly integrate into the cadet battalion and perform successfully. Key elements are introduction to physical fitness, how to plan and conduct training, basic tactical skills and military reasoning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MS 3312. Leadership and Problem Solving II.
This course is designed to enable a student without prior military experience to rapidly integrate into the cadet battalion and perform successfully. Key elements are introduction to physical fitness, how to plan and conduct training, basic tactical skills and military reasoning.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MS 4311. Leadership and Management.
This course is designed to help cadets make informed career decisions and it continues their education in Army operation, training management, communications and leadership. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MS 4312. Officership.
This course focuses on completing the transition from cadet to lieutenant. It includes a basic foundation of military law, skills and information on leadership and military science, application and demonstration of knowledge and mastery of military skills reasoning. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MS 4313. Independent Study in Military Science.
This course will be designed to meet the needs of the individual student. It will be a directed and closely monitored program targeted at the students' weaknesses/interests. The course will primarily deal with topics pertinent to the military profession; such areas as leadership, management, ethics, law and their application. Course will require week/bi-weekly progress review with instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

Music (MU)

MU 1000. Freshman Departmental Recital.
Attendance and observation of weekly recitals. Concurrent enrollment in freshman-level applied lessons and the appropriate major ensemble are required. Corequisites: MUSP 1120 or MUSP 1130 or MUSP 1140 or MUSP 1150 or MUSP 1160 or MUSP 1170 or MUSP 1220 or MUSP 1230 or MUSP 1240 or MUSP 1250 or MUSP 1260 or MUSP 1270 or MUSP 1280.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MU 1112. Basic Musicianship.
A study of music fundamentals: reading rhythms, pitches in bass and treble clefs, spelling, notating, and identifying key signatures, intervals and chords. Prerequisite: Music major status.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 1115. Aural Skills I.
This course will cover sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 1315-Music Theory I. A passing score on the Theory Entrance Exam, or MU 1112-Basic Musicianship with a grade of "C" or higher is required prior to enrollment. Corequisite: MU 1315.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1116

MU 1116. Aural Skills II.
This course covers sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 1316. Prerequisite: MU 1115 and MU 1315 with a grade of "C" or higher. Corequisite: MU 1316.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1117

MU 1150. Introduction to Music Technology.
Introduction to current computer applications in music. Including MIDI and sequencing, notation, internet communication, and digital audio.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 1180. Recording Practicum I.
Independent study in sound recording. Students develop aural and practical skills necessary to produce high quality recordings. Full major status in SRT is required.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 1182. Recording Practicum II.
Development of aural skills associated with audio production and recording. This course is a continuation of MU 1180, Recording Practicum I. Full major status in SRT is required. Prerequisite: MU 1180 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 1210. Aural Skills I.
Sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 1211. Corequisite: MU 1211 with a grade of "C" or better.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1216

MU 1211. Music Theory I.
The study of species counterpoint in two voices. The analysis and model composition of diatonic music, with a focus on voice-leading principles that connect tonic-function and dominant-function harmonies. Corequisite: MU 1210 with a grade of "C" or better.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1211

MU 1212. Aural Skills II.
Sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 1213. Prerequisite: MU 1210 and MU 1211, all with a grade of "C" or better. Corequisite: MU 1213.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1217

MU 1213. Music Theory II.
The analysis and model composition of diatonic music, including voice-leading with tonic, pre-dominant, and dominant-function triads and 7th-chords. Topics include phrase structures, small forms, and an introduction to applied chords. Prerequisite: MU 1210 and MU 1211, all with a grade of "C" or better. Corequisite: MU 1212.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1212

MU 1312. Essential Musicianship.
Detailed instruction in fundamentals of music theory, including but not limited to notation, meters, scales, key signatures, intervals and chords. This course is designed primarily for non-Music majors and Music minors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1301

MU 1315. Music Theory I.
In this course, students study basic counterpoint and analysis of diatonic music. Students learn four-part voice-leading principles via tonic-function and dominant-function harmonies. Students must pass the Theory Entrance Exam to enroll in this course. Corequisite: MU 1115.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1311

MU 1316. Music Theory II.
This course covers the analysis and model composition of diatonic music, including voice-leading with tonic, pre-dominant, and dominant-function triads and 7th-chords. Topics include phrase structures, small forms, and an introduction to applied chords. Prerequisite: MU 1115 and MU 1315 with a grade of "C" or higher. Corequisite: MU 1116.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 1312

MU 2000. Sophomore Departmental Recital.
Attendance and observation of weekly recitals. Concurrent enrollment in sophomore-level applied lessons and appropriate major ensemble is required. Corequisites: MUSP 2120 or MUSP 2130 or MUSP 2140 or MUSP 2150 or MUSP 2160 or MUSP 2170 or MUSP 2220 or MUSP 2230 or MUSP 2240 or MUSP 2250 or MUSP 2260 or MUSP 2270 or MUSP 2280.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MU 2104. Writing About Music.
This course focuses on writing and research skills in music, including the use and documentation of sources. In addition to written exercises, assignments include studying professional writing samples about music, such as concert reviews, program notes, and research essays. Full major status in Performance required. (WI).
1 Credit Hour. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MU 2115. Aural Skills III.
This course covers sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 2315. Prerequisite: MU 1116 and MU 1316 with a grade of "C" or higher. Corequisite: MU 2315.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2116

MU 2116. Aural Skills IV.
This course covers sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 2316. Prerequisite: MU 2115 and MU 2315 with a grade of "C" or higher. Corequisite: MU 2316.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2117

MU 2123. Foundations of Music Education.
This course introduces principles of aesthetics and philosophy, as well as their practical application in music education.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 2153. Problems in Music.
This course is conducted as an independent study on one or more music topics not covered in another course and is open to students on an individual basis by approval of the Director of the School of Music. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 2180. Recording Practicum III.
This course allows students to continue to develop aural and practical skills in sound recording to produce high-quality recordings. Full major status in SRT required. Prerequisites: MU 1182 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 2182. Recording Practicum IV.
Students will develop the aural skills associated with audio production and recording. This is a continuation of MU 2180 Recording Practicum III. Full major status in SRT required. Prerequisite: MU 2180 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 2253. Problems in Music.
The course is conducted as an independent study on one or more music topics and is open to students on an individual basis by approval of the Director of the School of Music. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 2260. Aural Skills III.
Sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 2261. Prerequisites: MU 1212 and MU 1213 with a grade of "C" or better. Corequisites: MU 2261.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2216

MU 2261. Music Theory III.
The analysis and model composition of chromatic music, with a focus on voice-leading principles. Topics include modulations and larger forms. Prerequisite: MU 1212 and MU 1213 with a grade of "C" or better. Corequisite: MU 2260.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2211

MU 2262. Aural Skills IV.
Sight singing, dictation, keyboard exercises, and improvisation of musical structures and styles studied in MU 2263. Prerequisite: MU 2260 and MU 2261 with a grade of "C" or better. Corequisite: MU 2263.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2217

MU 2263. Music Theory IV.
The analysis and model composition of music from the 20th- and 21st-centuries. Topics include, but are not limited to, impressionism, polytonality, parallelism, quartal/quintal harmonies, secundal harmonies, polyrhythms, octatonicism, minimalism, modes, serialism, and set theory. Prerequisite: MU 2260 and MU 2261 with a grade of "C" or better. Corequisite: MU 2262.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2212

MU 2303. Survey of Music Literature.
An introduction to western European art music from the Middle Ages into the 21st-century through listening examples, readings, and class lectures. The course covers representative works by major composers and introduces conventional musical forms/styles associated with various genres in each of the musical periods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: MUSI 1307

MU 2310. Guitar Class I.
An introductory course primarily for the non-music major. This course offers the opportunity to study tuning, hand positions, chords, accompaniment patterns, strumming and introductory music reading.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 2313. Introduction to Fine Arts.
An introductory course designed to give the student a fundamental understanding of the creation and appreciation of diverse modes of expression through the visual and performing arts. This course may not be repeated for credit by taking ART 2313, DAN 2313, or TH 2313.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050
Grade Mode: Standard Letter
TCCN: HUMA 1315

MU 2315. Music Theory III.
This course covers the analysis and model composition of chromatic music, with a focus on voice-leading principles. Topics include modulations and larger forms. Prerequisite: MU 1116 and MU 1316 with a grade of "C" or higher. Corequisite: MU 2115.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2311

MU 2316. Music Theory IV.
This course covers the analysis and model composition of music from the 20th- and 21st-centuries. Topics include, but are not limited to, impressionism, polytonality, parallelism, quartal/quintal harmonies, secundal harmonies, polyrhythms, octatonicism, minimalism, modes, serialism, and set theory. Prerequisite: MU 2115 and MU 2315 with a grade of "C" or higher. Corequisite: MU 2116.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: MUSI 2312

MU 2353. Problems in Music.
The course is conducted as an independent study on one or more music topics and is open to students on an individual basis by approval of the Director of the School of Music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 3000. Junior Departmental Recital.
This course requires attendance and observation of weekly recitals. Concurrent enrollment in junior-level applied lessons and the appropriate major ensemble are required. Corequisites: MUSP 3170; MUSP 3220; MUSP 3230; MUSP 3240; MUSP 3250; MUSP 3260; MUSP 3270; MUSP 3280.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MU 3050. Junior Recital.
Preparation and performance of the junior recital for music performance majors. Corequisites: Concurrent enrollment with applied lessons and major ensemble required for all Music Performance majors. Pre-requisite or Corequisite: MUSP 3170 or MUSP 3220 or MUSP 3230 or MUSP 3250 or MUSP 3260 or MUSP 3270 or MUSP 3280.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 3141. Fundamentals of Diction in Singing I.
This course, the first of a two semester Diction sequence, is designed to acquaint the student singer with the International Phonetic Alphabet (IPA), correct pronunciation of Italian and German consonants and vowels, and the diction rules of these languages. This course does not take the place of a language requirement. Corequisite: MUSP 1120 or MUSP 1220 or MUSP 2120 or MUSP 2220 or MUSP 3120 or MUSP 3220 or MUSP 4220; with a grade of "C" or better.
1 Credit Hour. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3142. Fundamentals of Diction in Singing II.
This course, the second of a two-semester Diction sequence, is designed to acquaint the student singer with the International Phonetic Alphabet (IPA), correct pronunciation of French and English consonants and vowels, and the diction rules of these languages. This course does not take the place of a language requirement. Prerequisite: MU 3141 with a grade of "C" or better. Corequisite: MUSP 1120 or MUSP 1220 or MUSP 2120 or MUSP 2220 or MUSP 3120 or MUSP 3220 or MUSP 4220.
1 Credit Hour. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3180. Recording Practicum V.
This course allows students to continue to develop aural and practical skills necessary to produce high quality recordings. Full major status in SRT required. Prerequisites: MU 2182 with a grade of "C" or better. Corequisite: MU 3383.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3182. Recording Practicum VI.
Students will develop the aural skills associated with audio production and recording. This is a continuation of MU 3180, Recording Practicum V. Full major status in SRT required. Prerequisite: MU 3180 with a grade of "C" or better. Corequisite: MU 3384.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3207. Instrumental Conducting I.
This course covers instrumental conducting fundamentals such as beat pattern, baton techniques, score reading, cuing, subdivisions, fermatas, and releases. The class will function as an ensemble and each student will conduct assignments approximately once each week. Requires successful completion of the Upper Level Competency Review in Music Studies.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3208. Choral Conducting I.
This course covers choral conducting fundamentals such as beat pattern, baton technique, score reading, cuing, subdivisions, fermatas, and releases. The class will function as an ensemble and each student will conduct assignments approximately once each week. Requires successful completion of the Upper Level Competency Review to enroll.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3217. Instrumental Conducting II.
An application of the principles of conducting to instrumental music, including score reading and problems of interpretation. Some choral conducting experience will be included. Prerequisite: MU 3207 with a grade of "C" or better.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 3227. Choral Conducting II.
An application of the principles of conducting choral music, including score reading and problems in interpretation. Some instrumental conducting experience will be included. Prerequisite: MU 3208 with a grade of "C" or better.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3233. Jazz Theory and Improvisation I.
This course is a study of the musical theory basics used in jazz improvisation and composition, focusing on best practices in its practical application and pedagogy. In addition to a theoretical and applied approach, students will also examine historical and cultural considerations, as they relate to performance. BM majors only. Prerequisites: MU 1316 with a grade of "C" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3234. Jazz Theory and Improvisation II.
This course is a continuation of MU 3233, with particular attention to developing skills in the use of scales and modes (including major and minor pentatonic scales), modal playing, and jazz nomenclature. BM majors only. Prerequisites: MU 3233 and MUSE 3127, all with a grade of "C" or better or permission of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3241. A Survey of Instrumental Performance Literature.
This course is an overview of repertoire for wind bands/orchestras from all musical periods/styles, including music for beginning bands/orchestras to works for collegiate/professional ensembles. Activities include: listening, score study, instrument transpositions, programming, contest preparation and student-led wind band/orchestra reading sessions. Upper-level status is required. Prerequisite: ART 2313, DAN 2313, MU 2313, or TH 2313; with a grade of "C" or better.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3242. Survey of Choral Performance Literature.
The course covers detailed consideration of literature of all periods appropriate for choral ensembles and includes discussions on repertoire selection/performance problems peculiar to all ensemble sizes. Assignments give students opportunity to develop their own approach to vocal challenges that face high school and junior high singers, including arranging choral music. Prerequisites: MU 3208 and MU 3254, all with a grade of "C" or better. Corequisite: MU 3227.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3253. Band/Orchestra Methods.
This course is designed to introduce fundamental principles of effective instrumental music instruction, rehearsal techniques, and administration of secondary school music programs. This course will provide opportunities for students to conduct and rehearse instrumental ensembles, present teaching demonstrations, and conduct independent scholarship projects related to teaching. Prerequisites: MU 2316; MU 3207; MUSP 3145 or 3147; MUSP 3155 or 3157; All must be completed with a grade of "C" or better.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3254. Choral Methods.
This course provides practical experience in developing, teaching and maintaining a successful choral program at the secondary level. Assignments are designed to give students the opportunity to develop approaches to the basic challenges that face high school/middle school choral directors. Students will share ideas and evaluate each other's work. Prerequisite: MU 2316 with a grade of "C" or better. Corequisite: MU 3208.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3263. Marching Band Techniques.
An examination of the techniques required to program, design, and instruct a successful marching band show. The class will discuss different types of design concepts currently being employed throughout the country, but also to construct and chart those designs.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3269. Current Trends in Music II.
A study of melodic and harmonic techniques for keyboard percussion instruments, sight-reading techniques using Sol-Fa, and a survey of the folk music of Europe and the Americas. Prerequisite: MU 3340 with a grade of "C" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3308. History of Rock Music.
A survey of the evolution of rock styles, contributions of important performers, and musical techniques involved in the creation and performance of rock music. The course focuses on the first three decades of rock history.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3310. Guitar Class II.
Primarily for the non-music major, the course includes the opportunity for development of more advanced techniques in accompaniment, music reading and solo guitar techniques. Prerequisite: MU 2310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3315. History and Analysis of Music I.
This course is a comprehensive musicianship approach to the study of music from ancient times to the 1680s involving the discussion of history, aesthetics, performance practice, and conceptual approaches specific to distinctive periods and regions. (MULT) (WI) Prerequisites: MU 1316 with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

MU 3316. History and Analysis of Music II.
This course is a comprehensive musicianship approach to the study of music from the 1680s to the late 19th-century involving the discussion of history, aesthetics, form, orchestration, performance practice, and conceptual approaches to distinctive musical works. (MC) (WI) Prerequisites: MU 3315 with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

MU 3317. History and Analysis of Music III.
This course is a comprehensive musicianship approach to the study of music from the turn of the twentieth century to the present involving the discussion of history, aesthetics, form, orchestration, performance practice, and conceptual approaches specific to distinctive musical works. Prerequisites: MU 3316 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

MU 3318. World Musics.
This course equips students with practical and intellectual tools to enhance their enjoyment and understanding of popular, folk and classical music traditions around the globe, (with the exclusion of what is commonly referred to as Western Art Music) and explores how these traditions relate to history, social issues, politics and identity. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

MU 3340. Current Trends in Music I.
A study of the components of music and their concepts. An emphasis on singing and rhythmic performance skills, and aesthetic awareness through listening. Prerequisite: MU 2123 with a grade of "C" or higher.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 3370. Music for the Elementary Classroom.
Introduction to basic music skills for the elementary classroom teacher. Include practical application and development of strategies and instructional techniques necessary for effective integration of music experiences in the elementary classroom curriculum. For interdisciplinary studies majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3375. History of Jazz.
Jazz originated in America and has been of great importance in the development of the 20th Century music. Topics will include the structure and history of jazz, the contributions of jazz to contemporary music, and the chronological development of jazz experienced through recordings and live performances. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

MU 3380A. Women in Jazz.
Overview of jazz history from its New Orleans origins to the present focusing on the contributions of women. Major style periods researched include early jazz/swing, bebop, cool, hard bop, free jazz, jazz fusion, and contemporary trends. Emphasis will be placed on the development of critical listening skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 3380B. Music and Film.
This course is an exploration of historical traditions and functions of Hollywood film music. Students will apply music theory and dictation skills to analyze scores and explain how film music's characteristics and associated cultural connotations combine with image to create new meaning. Prerequisite: MU 2116 and MU 2316, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 3380C. Rock Harmony.
Theoretical analysis of popular and rock music incorporating extensive ear training components such as recognition of chords and progressions. Further analysis of the individual stylistic details in rock songs as well as comparison to traditional tonal harmony and form. Pre-requisite: MU 1312 with a "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 3380D. History of Blues.
This course explores the role of the blues in American popular music, tracing the history of the genre from its origins to its influence on rock and other related styles, surveying important recording labels and related figures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 3380E. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom. Prerequisite: MU 3340; with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 3381. Recording Techniques I.
Introduction to audio recording techniques. Topics include acoustics, electronics, microphones, microphone techniques, loudspeakers, and operating principles of common recording equipment. Full major in SRT required. Prerequisite: MU 1182 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3382. Recording Techniques II.
A continuation of MU 3381. Topics include: operating principles of common recording equipment, fundamentals of analog and digital recording, signal flow, equalization, and sound effects processors. Full major in SRT required. Prerequisite: MU 3381 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 3383. Recording Techniques III.
Principles and practices of microphone and mixing techniques. Full major in SRT required. Prerequisite: MU 3382 with a grade of "C" or better. Corequisite: MU 3180.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MU 3384. Recording Techniques IV.
Audio tape and disc recording and their applications in a variety of settings and genres. Full major in SRT required. Prerequisite: MU 3383 with a grade of "C" or better. Corequisite: MU 3182.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

MU 4000. Senior Departmental Recital.
This course requires attendance and observation of weekly recitals. Concurrent enrollment in senior-level applied lessons and the appropriate major ensemble may be required.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

MU 4050. Senior Recital.
Preparation and performance of the senior recital. Prerequisite or Corequisites: MUSP 4170 or MUSP 4220 or MUSP 4230 or MUSP 4240 or MUSP 4250 or MUSP 4260 or MUSP 4270, or MUSP 4280, with a grade of "C" or better.
0 Credit Hours. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4152. Problems in Music.
The course is conducted as an independent study on one or more topics in music and is open to students on an individual basis by approval of the Director of the School of Music.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times. Prerequisite: MU 1115 and MU 1315 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4180. Recording Practicum VII.
This course allows students to continue to develop the aural and practical skills necessary to produce high quality recordings. Full major in SRT required. Prerequisite: MU 3182 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4182. Recording Practicum VIII.
Students will develop the aural skills associated with audio production and recording. This is a continuation of MU 4180, Recording Practicum VII. Full major status in SRT required. Prerequisite: MU 4180 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4185. Senior Research Project.
A study of the student's senior recital literature resulting in a thorough research paper on the theoretical, historical, technical and stylistic aspects of the compositions. Concurrent enrollment in Senior Recital, senior level applied lessons, and appropriate major ensemble are required. Prerequisites or Corequisites: MU 4050 and MUSP 4170 or MUSP 4220 or MUSP 4230 or MUSP 4240 or MUSP 4250 or MUSP 4260 or MUSP 4270 or MUSP 4280.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 4234. Arranging Techniques for School Music Ensembles.
This class will introduce the many techniques involved in arranging for a wide variety of school music ensembles. Content will include an examination of the various instrument families, basic manuscript techniques (both manual and computer aided) and various orchestration techniques for voicing and scoring. Prerequisites: MU 2316; MU 3207; MUSP 3145 or 3147; MUSP 3155 or 3157; All with grades of "C" or better.
2 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4244. Jazz Theory and Improvisation III.
This course is a continuation of MU 3234 and explores advanced concepts in jazz theory including symmetrical scales, chord substitutions, re-harmonization, pentatonic and exotic scale forms. Classes will focus on best practices in practical application and pedagogy and also examine historical and cultural considerations related to performance. Prerequisite: MU 3234 and MUSE 3127, all with a grade of "C" or better or permission of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4245. Jazz Composition and Arranging.
This course is an in-depth exploration of various commercial writing styles and instrumentations, focusing on Pop, Latin, and Jazz. Students will analyze the writing styles of prolific 20th-century Big Band Arrangers, and learn to write music for all types of commercial applications, and styles, for all levels of musicians. Prerequisite: MU 4244 with a grade of "C" or better or permission of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4253. Problems in Music.
The course is conducted as an independent study on one or more music topics and is open to students on an individual basis by approval of the Director of the School of Music.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4257. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and the philosophy of singing and teaching. It is designed for Bachelor of Music majors with a concentration in voice. Restricted to Music Studies or Music Performance majors, with a vocal concentration. Co-requisites: MUSP 3220 or MUSP 4220 with a grade of "C" or better, or by Instructor Permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4258. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; pre-colonial, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context. It includes research methodology and musicology related to Mexican music.
2 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 4259. Vocal Literature.
This course is a detailed consideration of vocal literature from approximately 1600 through the 20th century, focusing on different cultures of the world. It covers major composers and developments in the genre. Repertoire selection and performance problems peculiar to the various styles will be discussed. Prerequisites: Bachelor of Music with vocal concentration and MU 2142. Corequisite: MUSP 3220 or MUSP 4220 with a grade of "C" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4260. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas that covers a wide range of historical and contemporary pedagogy treatises. Students will explore exercixes and vocalises for general voice development, peer teaching, and techniques to address/correct specific vocal problems. Prerequisite: MU 4257 with a grade of "B" or better. Co-requisites: MUSP 3220 or MUSP 4220 with a grade of "D" or better, or by Instructor Permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4261. Guitar Pedagogy.
This course is an intensive study of instructional methodologies for guitar from beginning to advanced levels that includes both one-on-one teaching and group lessons. Corequisite: MUSP 3260 or MUSP 4260.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4262. Guitar Literature.
This course is an intensive study of music repertoire for guitar, including solo, chamber, and orchestral music, as well as relevant music history and literature, performance practice, and rehearsal techniques. Emphasis will be given to literature of the student's primary instrument. Corequisite: MUSP 3260 or MUSP 4260.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4263. Keyboard Pedagogy.
This course is an intensive study of instructional methodologies for keyboard from beginning to advanced levels that includes both one-on-one teaching and group lessons. Corequisite: MUSP 3230 or MUSP 4230.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4264. Keyboard Literature I.
This course is an intensive study of music repertoire for keyboard from 1700 to 1850, including solo, chamber, and orchestral music, as well as relevant music history and literature, performance practice, and rehearsal techniques. Emphasis will be given to literature of the student's primary instrument. Corequisite: MUSP 3230 or MUSP 4230.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4265. Keyboard Literature II.
This course is an intensive study of music repertoire for keyboard from 1850 - today, including solo, chamber, and orchestral music, as well as relevant music history and literature, performance practice, and rehearsal techniques. Emphasis will be given to literature of the student's primary instrument. Corequisite: MUSP 3230 or MUSP 4230.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4266. Woodwind Pedagogy.
This course is an intensive study of instructional methodologies for woodwinds from beginning to advanced levels that includes both one-on-one teaching and group lessons. Corequisite: MUSP 3240 or MUSP 4240.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4267. Woodwind Literature.
This course is an intensive study of music repertoire for woodwinds, including solo, chamber, and orchestral music, as well as relevant music history and literature, performance practice, and rehearsal techniques. Emphasis will be given to literature of the student's primary instrument. Corequisite: MUSP 3240 or MUSP 4240.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4268. Brass Pedagogy.
This course is an intensive study of instructional methodologies for brass from beginning to advanced levels that includes both one-on-one teaching and group lessons. Corequisite: MUSP 3250 or MUSP 4250.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4269. Brass Literature.
This course is an intensive study of music repertoire for brass, including solo, chamber, and orchestral music, as well as relevant music history and literature, performance practice, and rehearsal techniques. Emphasis will be given to literature of the student's primary instrument. Corequisite: MUSP 3250 or MUSP 4250.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4270. Percussion Pedagogy.
This course is an intensive study of instructional methodologies for percussion from beginning to advanced levels that includes both one-on-one teaching and group lessons. Corequisite: MUSP 3170 or MUSP 3270 or MUSP 4170 or MUSP 4270.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4271. Percussion Literature.
This course is an intensive study of music repertoire for percussion, including solo, chamber, and orchestral music, as well as relevant music history and literature, performance practice, and rehearsal techniques. Emphasis will be given to literature of the student's primary instrument. Corequisite: MUSP 3170 or MUSP 3270 or MUSP 4170 or MUSP 4270.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4272. String Pedagogy.
This course is an intensive study of instructional methodologies for strings from beginning to advanced levels that includes both one-on-one teaching and group lessons. Corequisite: MUSP 3260 or MUSP 4260.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4273. String Literature.
This course is an intensive study of music repertoire for strings, including solo, chamber, and orchestral music, as well as relevant music history and literature, performance practice, and rehearsal techniques. Emphasis will be given to literature of the student's primary instrument. Corequisite: MUSP 3260 or MUSP 4260.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4310. Guitar Class III: Rock, Country, Blues.
Designed primarily for the non-music major. Continued study of advanced techniques including scales, arpeggios, strumming patterns and advanced accompanying styles. Analysis and performance of musical styles including rock, country and blues. Prerequisite: MU 3310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4312. Guitar Class IV: Rock, Country, Blues.
Designed primarily for the non-music major. Continued study of advanced techniques including soloing techniques, accompaniment techniques. Detailed analysis of performance styles emphasizing the styles of contemporary performers. Prerequisite: MU 4310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4330. Form and Analysis.
Principles of form and analysis developed through the in-depth application of analytical systems to the musical repertoire through the nineteenth century. Prerequisites: MU 2316 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4332. Contemporary Analytic Techniques.
Detailed study and analysis of selected compositions from the early twentieth century to the present; analytical projects. Prerequisite: MU 2316 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4334. Orchestration.
Study of the characteristics of individual instruments; writing for various combinations; study of scores of different periods; techniques of instrumentation, arranging, and orchestration; listening to recorded and live performances. Prerequisite: MU 2316 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4336. 18th-Century Counterpoint.
A study of 18th-century contrapuntal techniques as found in choral preludes, inventions and fugues, among other forms. Prerequisite: MU 2316 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4343. Jazz Pedagogy.
A study of repertoire selection and evaluation, phrasing and articulation, rhythm section techniques, methods of instruction, and review of current teaching styles in American jazz programs, including contest preparation and the teaching of basic improvisation. Prerequisites: MU 2116 and MU 2316 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4351. Problems in Music.
The course is conducted as an independent study on one or more music topics and is open to students on an individual basis by approval of the Director of the School of Music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4353. Problems in Music.
The course is conducted as an independent study on one or more music topics and are open to students on an individual basis by approval of the Director of the School of Music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 4354. Business in Music.
A preparation of students and future musicians for a career in music. The course will discuss the various career options available to aspiring musicians and the paths to take to pursue these options.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4385. Advanced Audio Recording Techniques.
Application of theoretical skills in recording, mixing, and editing concert music. Full major in SRT required. Prerequisite: MU 3384 with a grade of "C" or higher. Corequisite: MU 4180.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 4386. SRT Internship.
Practical experience in audio recording under professional supervision. Provides the opportunity for students to demonstrate professional competencies, based on prior theoretical and laboratory experiences. Full major in SRT required.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5113. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5130A. Writing About Music.
Focusing on basic writing skills, research, and the use and documentation of sources. Course centers on the process of writing about music. Besides written exercises, the assignments include the study of such professional writing samples as concert reviews, program abstracts, and research essays. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5130B. Diction for Singers.
An in-depth study of the pronunciation of singing in Italian, German, English, and French incorporating the International Phonetic Alphabet through the use of lecture and laboratory sessions for practical application. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5141. Kodály Level I – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on conducting folk songs and classical canons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5143. Kodály Level I – Materials.
Examination of song literature appropriate for children with emphasis on folk literature.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5145. Kodály Level II – Conducting.
Advanced conducting techniques emphasizing patterns and communication of the character of music. Emphasis on independence of the left and right hands to communicate tempo, dynamics, cues, and character.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5147. Kodály Level II – Materials.
Examination of song literature appropriate for children with emphasis on folk literature. Students will also explore suitable instrumental literature through performance on the recorder.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5149. Kodály Level III – Conducting.
Advanced conducting laboratory with application to 2-, 3-, and 4-part choral works.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5151. Kodály Level III – Research and Retrieval.
Research of international folk music as applied to philosophy as applied to Kodály music education program.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5156. Mariachi Arranging Techniques.
This course is a study of Mariachi repertoire and arranging techniques for a Mariachi ensemble. Topics will cover instrument ranges, orchestration techniques, and styles. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5157. Mariachi Ensemble Teaching Lab.
This course provides students with the knowledge to become effective directors of Mariachi ensembles within the public school/university systems. Mariachi curriculum/repertoire/rehearsal techniques appropriate to middle school/high school/post-high school ensembles are discussed and applied within the setting of a performing ensemble. This course is repeatable for credit three times.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5192. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5213. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated with different emphasis for additional credit. Prerequisite: Consent of the graduate advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5230A. Music Theory.
A study of the materials of counterpoint and harmony as evaluated through listening and analysis of literature, and application through composition. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5230B. Aural Learning.
Development and application of theory concepts through singing, playing, and dictation. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5240. Kodály Level I – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5242. Kodály Level I – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to kindergarteners and first graders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5244. Kodály Level II – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on analysis of melodic content: intervals, range, and scales.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5246. Kodály Level II – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to second and third grade children.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5248. Kodály Level III – Musicianship and Sol-fa.
Development of sight singing and aural skills associated with advanced musicianship. Emphasis on advanced studies in rhythm, counterpoint, and harmony.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5250. Kodály Level III – Pedagogy.
The teaching of music utilizing an American adaptation of the Kodály approach to music education as applied to upper elementary, junior high, and high school.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5254. Piano Pedagogy I.
History, methods, and materials of piano pedagogy. Includes the application of technical and musical fundamentals to beginning levels of teaching. Prerequisites: Piano pedagogy or piano performance majors or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5255. Piano Pedagogy II.
Advanced methods and materials of piano pedagogy. Includes the application of technical and musical fundamentals to intermediate and advanced levels of teaching. Prerequisites: Piano Pedagogy I or instructor's permission.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5310. Music Literature of the Baroque.
Style characteristics and literature of the music of 1600-1750 with special emphasis on Bach and Handel.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5313. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5314. Survey of the 20th- and 21st-Century Music.
Emphasis on music of the modern period and its development from music of earlier periods. Numerous examples of vocal and instrumental works in both large and small forms are used to illustrate 20th- and 21st-century styles and trends.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5315. Music Literature of the Middle Ages to Renaissance.
Historical, stylistic, and analytical study of western art music from about 450 to 1600.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5316. Opera History.
This course will analyze and evaluate operas selected from the genre's history from the late sixteenth century to the present. Topics include opera historiography; operatic conventions; opera composers, librettists and plots; musical dramaturgy; and cultural context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5317. Independent Study in Music.
Study of special interest that offers professional improvement and growth in the field of music. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5318. Song Literature.
This course is an historical survey of the art song, emphasizing Western European and American repertories. Students will articulate stylistic differences within the art song repertory, use analytical methods appropriate for a variety of text settings, and develop greater proficiency at writing about music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5320. Music Literature - Viennese Classical.
Style analysis of music literature from 1750 to 1830 with emphasis on Haydn, Mozart, and Beethoven.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5322. Advanced Instrumental Techniques.
Evaluation of teaching methods, materials, and literature of wind/percussion or string instruments. Students must have taken instrumental conducting in their undergraduate degree program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5323. Vocal Music Education Methods.
Study of the anatomy of the human voice and evaluation of the scientific data and historical beliefs concerning voice pedagogy with emphasis in teaching voice in the class, private studio, as well as within a variety of choral settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5325. Research in Music Education I.
Examination of methodologies, techniques, and procedures for interpreting and conducting research in music education. Relevant studies in music education will be critiqued, with an emphasis on preparation of a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5326. Research in Music Education II.
A continuation and culmination of a research project in the field of music education as developed and proposed in MU 5325. Prerequisite: MU 5325 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5328. Foundations of Music Education.
The cognitive psychology, historical perspective, and philosophical issues that provide the basis for contemporary music education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5329. Psychology of Music.
This course investigates the psychological foundations of music and examines interdisciplinary approaches to the study of music and the human experience. Topics will include music perception, physiological responses to music, music and the brain, musical attributes, music learning, music therapy, and the measurement of musical behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5330A. History and Analysis of Music.
A comprehensive musicianship approach to the study of music from the earliest times to the present using techniques of stylistic and structural analysis. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5330B. Advanced Theory.
Principles of form and analysis, counterpoint, orchestration, and contemporary analytic techniques developed through in-depth study of musical repertoire. This course does not earn graduate degree credit. Prerequisite: Consent of the graduate music advisor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling|Topics
Grade Mode: Leveling/Assistantships

MU 5331. Vocal Pedagogy I: Voice Science.
This course explores the anatomy/physiology of the human voice, the acoustic properties that govern resonance, vocal health, and philosophy of singing and teaching. Co-requisites: MUSP 5120 or MUSP 5220 or MUSP 5320 with a grade of "C" or better, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5332. Vocal Pedagogy II: Methods.
This is a comparative study of various pedagogical methods and ideas, including historical and contemporary treatises. Students will explore exercises and vocalizes for general voice development, address and correct specific vocal problems, and engage in peer teaching. Prerequisite: MU 5331 with a grade of "B" or better. Co-requisites: MUSP 5120, MUSP 5220, or MUSP 5320, or permission of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5334. Introduction to Graduate Study in Music.
Techniques and materials of research, emphasizing bibliography, library usage, collection, and interpretation of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5337. Techniques of Contemporary Music.
This course surveys a cross-section of important technical innovations and developments in twentieth-century music, with special focus on music since 1945. Students will read documents outlining aesthetics, analyze music written in a variety of styles, write analytical papers, and using a variety of techniques, compose exercises. Enrollment requires a passing grade on the Graduate Music Theory Placement Exam or Instructor approval. Prerequisite: MU 5357 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5340. Music Literature - Nineteenth-Century Romantic.
Music literature of the period from 1830 to 1910 with analysis of styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5341. History of Jazz.
This course is a chronological survey and historical analysis of the major soloists, ensembles, composers, recordings, and stylistic trends of all major jazz styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5342. Jazz Pedagogy.
Jazz pedagogy is an in-depth study of the history, methodologies, resources, and techniques of jazz pedagogy and the development of jazz ensemble rehearsal skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5343. Jazz Improvisation.
This course is a detailed study of the evolution of melodic, harmonic, and rhythmic structures used by jazz improvisers and composers from the 1930s to present day.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5344. Jazz Arranging.
This course provides a comprehensive study of jazz composition, arranging, and improvisation theory, emphasizing writing for jazz ensembles using harmony, scales, and improvisation in a variety of styles, and providing necessary skills to be a successful jazz or commercial composer/arranger.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5345. Piano Literature I.
This course is designed to expand first-hand familiarity with the literature for the keyboard from the Baroque to Early Romantic era (Bach to Schumann). It will be divided into five chronological segments, discussing the major composers and their contemporaries. Ten composition genres will be discussed during the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5346. Piano Literature II.
This course is designed to expand first-hand familiarity with the literature for the piano, which will be divided into six chronological segments. These segments will discuss the most significant composers and their contemporaries in the 19th and 20th centuries and their major piano compositions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5350. Musical Styles.
Developing a broader musical understanding through critical listening, technical analyses, and written assignments in various musical styles, including the late classical, romantic, and present eras. Prerequisite: MU 5357 with a grade of "B" or better, or a passing grade on the Graduate Music Theory Placement Exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5351. Schenkerian Analysis.
An introduction to the techniques and methods of music analysis as developed by Heinrich Schenker (1868-1935). This course will cover reductive analysis, structural levels in tonal music, and graphing techniques. Prerequisite: MU 5357 with a grade of “B” or better, or passing grade on music theory entrance exam.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5352. Foundations of Musicology.
This course is an introduction to the concepts, methodologies, and scholarly trends central to the discipline of musicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5353. Ensemble Rehearsal Techniques.
Course is designed for performance ensemble conductors. Includes supervision, administration, and rehearsal techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5354. Foundations of Ethnomusicology.
This course introduces the graduate student to the concepts, methodologies, and research trends central to the discipline of ethnomusicology. Prerequisite: MU 5334 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5355. Pedagogy of Music Theory.
Developing teaching methods and broader understanding through critical study of materials, organization, techniques, and problems of music theory and comprehensive musicianship courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Time Conflicts Permitted
Grade Mode: Standard Letter

MU 5357. Graduate Music Theory.
Graduate-level studies in music theory and aural skills. The course covers melody, harmony, counterpoint, form, as well as sight-singing, performing, and dictation. This course does not earn graduate degree credit. Consent of the graduate studies coordinator is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

MU 5358. Advanced Musicianship.
This course is designed to develop graduate-level skills in music sight reading, dictation, fundamental keyboard skills, and keyboard harmonization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5359. Post-Tonal Music Analysis.
This course is the study and application of methodologies and terminology that are used to analyze post-tonal concert music of the 20th and 21st centuries. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5360. Music in the United States.
A survey of the music and musical development in this country from pre-Columbian times to the present. Folk music, popular music, and jazz will be considered as well as traditional and experimental styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5361. Methods and Methodologies of Music Analysis.
This course will cover the examination of selected analytical techniques, methods and methodologies, critical approaches, or musical repertories, including semiotic analysis, computer-assisted music analysis, analysis of thematic processes, functional analysis, phrase structure analysis, as well as category and feature analysis. Prerequisite: MU 5357 with a grade of "B" or better, or permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5362. Instrumental Pedagogy I.
This course explores instrument-specific pedagogy from the beginner through the advanced levels. Students will peruse instrument-specific pedagogical works, solo literature, and articles, and will complete a teaching assignment requiring them to implement pedagogical techniques, diagnose common performance problems, and suggest solutions. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5363. Instrumental Pedagogy II: Teaching Internship.
This class provides students with supervised teaching experience. In this capstone course, students will apply pedagogical principles for instruction on their primary instrument in the private lesson setting. Their teaching will be monitored and evaluated by an applied professor throughout the semester. Prerequisite: MU 5362 with a grade of "B" or better. Co-requisites: MUSP 5130 or MUSP 5140 or MUSP 5150 or MUSP 5160 or MUSP 5170 or MUSP 5230 or MUSP 5240 or MUSP 5250 or MUSP 5260 pr MUSP 5270 or MUSP 5330 or MUSP 5340 or MUSP 5350 or MUSP 5360 or MUSP 5370, or permission of the instructor.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5364. Intelligent Music Teaching.
This course focuses on fundamental philosophical principles of effective instrumental music instruction and includes application of those principles in teaching. Students will develop a realistic perspective of their strengths and weaknesses as a developing professional and will develop business skills necessary to create a successful private lesson studio.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MU 5365. Computing in Music.
Development of concepts and skills related to current computer technology in music. Exploration and use of computer software, MIDI, and other productivity tools for application to music education, music administration, music research, and music composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5366. Salsa Arranging.
Analysis and arranging music for a Salsa ensemble. Topics will cover instrument ranges, orchestration techniques, and styles.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5367. History of Music in the Caribbean.
This course is a study of the musical panorama of the Spanish-speaking Caribbean; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, includes coverage of the scope and methods of research in the area of Caribbean music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5368. History of Music in Mexico.
This course is a study of the musical panorama of Mexico; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are discussed in historical, socio-political, and stylistic context, including coverage of the scope and methods of research in the area of Mexican music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5369. History of Music in Latin America.
This course is a study of the musical panorama of Latin America; Pre-Columbian, colonial, folk, urban, academic, and transnational genres are introduced and discussed in historical, socio-political, and stylistic context. It also includes an introduction to the scope and methods of research in Latin American music studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5371. Choral Literature I: Madrigal/Partsong.
This course is a comprehensive study of madrigals and partsongs from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5372. Choral Literature II: Oratorio and Other Secular Major Works.
This course is a comprehensive study of oratorios and other secular major works from the Western canon of choral repertoire.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5373. Choral Literature III: Liturgical Year - Motet, Anthem, Cantata.
This course is a comprehensive study of motets, anthems, cantatas, and other genres associated with the liturgical calendar and the Revised Common Lectionary from the canon of Western choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5374. Choral Literature IV: Missa Brevis, Missa Solemnis, & Requiem.
This course is a comprehensive study of the Roman Catholic Mass and Requiem Liturgies as they have been set to music by composers associated with the Western canon of choral music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MU 5375M. Teaching World Music Cultures Through World Music Pedagogy.
This course prepares prospective and practicing teachers to teach world music cultures in their music classroom at the K-12 level. Culturally relevant pedagogy, multicultural education, and ethnomusicology also serve as the underpinnings towards creating an inclusive and equitable classroom.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5375N. Innovation in Music Performance: Sound Lab.
This course is designed to stimulate imagination in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

MU 5377. Innovation in Music Performance: Sound Lab.
This course is designed to engage students in listening and in sound creation/composition and to develop skills and the capacity for improvisation that will equip artists for readiness in evolving cultural and performance situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MU 5392. Introduction to Music Instruction in Higher Education.
This course provides techniques for Graduate Teaching/Instructional Assistants concerning selected problems in 1) the teaching of music in the classroom, private instruction and ensemble environments; and 2) the development of a career in field in higher education. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

MU 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Music 5399B. Students working toward the M.M. degree with a thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

MU 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Cannot be taken unless a Thesis Proposal has been submitted. Students working toward the M.M. with thesis are expected to enroll in thesis each semester in which faculty supervision is received.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Music Ensemble (MUSE)

MUSE 3009. Opera Production.
Opera production is a performance class where practical skills are applied in a production setting. The class is designed to produce and perform a fully staged opera or opera scenes program. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 3106 with a grade of "C" or better.
0 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3026. Student Chamber Music.
Small student organized and led performing groups coached by area faculty as necessary.
0 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3027. Jazz Seminar.
Jazz faculty and guest artists meet with Jazz Performance majors to address topics outside the scope of the student's other daily coursework. The seminar will provide lectures and performance opportunities that focus on skills related to professional jazz performance practices.
0 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3028. Latin Music Studies Seminar.
Latin music faculty and guest artists meet with Latin music majors to address topics outside the scope of the students' other daily coursework. The seminar will provide lectures and performance opportunities that focus on skills related to professional Latin performance practices. Corequisite: MUSP 1220 or MUSP 2220 or MUSP 3220 or MUSP 4220 or MUSP 1230 or MUSP 2230 or MUSP 3230 or MUSP 4230 or MUSP 1240 or MUSP 2240 or MUSP 3240 or MUSP 4240 or MUSP 1250 or MUSP 2250 or MUSP 3250 or MUSP 4250 or MUSP 1260 or MUSP 2260 or MUSP 3260 or MUSP 4260 or MUSP 1170 or MUSP 2170 or MUSP 3170 or MUSP 4170.
0 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3099. Concert Ensemble.
This is a major ensemble that provides experience for music majors to improve their performance skills in a mixed ensemble setting. May be repeated for credit. Restricted to full majors in Music.
0 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal and jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance. This course may be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3107. Opera Theatre.
This course is designed to take the knowledge and skills learned in MUSE 3106-Opera Workshop class and build on those skills while applying those skills to more advanced work. Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Prerequisite: MUSE 3106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3108. Orquesta del Rio.
Performing ensemble specializing in Latin and South America music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

MUSE 3109. Opera Production.
Opera Production is a performance class where practical skills are applied in a production setting. The class is designed to produce and perform a fully staged opera or opera-scenes program. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 3106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3120. Bobcat Marching Band.
This ensemble performs at all home and select away football games utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3124. Treble Voice Choir.
This is a performing ensemble course, specializing in choral literature for treble voices. This course may be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3125. Men's Choir.
Performing ensemble specializing in choral literature for men's voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks, from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3151. Chamber Orchestra.
Auditioned orchestra designed to perform advanced level symphonic literature with repertoire representing several of historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3160. Jazz Ensemble.
The jazz based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3161. Jazz Orchestra.
The jazz based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3162. Jazz Lab Band.
The jazz based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit. Prerequisite: Piano major.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 3190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as ensemble performer, and to familiarize student with music from different periods through a variety of literature. May repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5101. Bobcat Basketball Band.
The Bobcat Basketball Band performs for all home men's and women's basketball games that do not fall over a university break. The group travels for all postseason tournaments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5102. Salsa Del Rio.
Performing ensemble specializing in Latin and South American music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5103. Texas State Mariachi.
Performing ensemble specializing in Mexican folk music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5104. Panorama Steel Drum Band.
A performing ensemble specializing in Caribbean steel drum band music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5105. VocaLibre.
A select vocal ensemble specializing in chamber music, including madrigal or jazz literature. May be repeated for credit. Prerequisite: Enrollment in major choral ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5106. Opera Workshop.
Opera Workshop is a skills-based class designed for developing opera singers to learn and apply skills that prepare them for professional performance.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5107. Opera Theatre.
Students will learn and perform operatic roles, chamber opera pieces, or one-act operas. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "B" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5108. Orquesta del Rio.
Performing ensemble specializing in Latin and South American music. May be repeatable for credit. (MULT).
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required|Multicultural Content
Grade Mode: Standard Letter

MUSE 5109. Opera Production.
This course is designed for students to participate as performers in a full opera production or in the production of opera scenes. It will also prepare students for future professional opera performance engagements. Concurrent enrollment in Applied Voice is recommended. Prerequisite: MUSE 5106 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5120. Bobcat Marching Band.
This ensemble performs at all home and select away football games, utilizing traditional and corps-style marching. The ensemble is focused on delivering entertaining and high-powered halftime shows while supporting Bobcat Football. The band also performs in exhibitions for high school band events. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5123. Concert Band.
This ensemble provides playing experiences for non-music majors and music majors who want to improve their skills and serve as a lab ensemble for conducting students. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5124. Women's Choir.
Performing ensemble specializing in choral literature for women’s voices. May be repeated for credit.
1 Credit Hour. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5125. Men's Choir.
Performing ensemble specializing in choral literature for men’s voices. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5126. Chamber Music.
Small group performing ensembles focusing on chamber literature of mixed and similar instrumental music. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5127. Jazz Combo.
A small performance ensemble designed to develop improvisational skills and individual musical creativity through performance of standard jazz literature. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5128. Conducting Seminar.
A seminar based course focusing on conducting technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or permission by the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5129. Afro-Caribbean Lab.
This course is an experimental ensemble of flexible size and instrumentation that specializes in advanced arranging, performance, and improvisation involving Afro-Caribbean styles and rhythms. An audition is required for placement in this ensemble.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5130. Wind Symphony.
Major instrumental ensemble comprised of the most outstanding wind and percussion students who are selected by audition. The group is dedicated to the performance of the finest wind repertoire, whether a contemporary works for winds, or transcriptions from the orchestral repertoire. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5131. Symphonic Winds.
Major instrumental ensemble consisting primarily of music majors and talented non-music majors. This ensemble performs a broad range of full ensemble repertoire, representative of all historical periods and styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5140. Texas State Chorale.
Auditioned major choral ensemble specializing in performances of literature from the Renaissance and 20th Century. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5141. University Singers.
Major choral ensemble that performs a variety of literature, including masterworks from the 17th Century to the present. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5150. Texas State Symphony Orchestra.
A full symphony orchestra that performs standard orchestra literature, as well as oratorio, concerto, and opera accompaniments. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5160. Jazz Ensemble.
The jazz-based ensemble performs advanced arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5161. Jazz Orchestra.
The jazz-based ensemble performs intermediate arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5162. Jazz Lab Band.
The jazz-based ensemble performs beginning arrangements of contemporary popular music in various styles. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5170. Accompanying.
A coaching seminar for pianists to develop reading and accompanying skills. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5180. Mysterium for Contemporary Music Ensemble.
An ensemble course focusing on the performance and analysis of contemporary music in all styles and media. May be repeated for credit. Prerequisite: Music (Composition Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSE 5185. Modern Music Ensemble.
A performance-based course focusing on the performance of modern music in all styles and media. May be repeated for additional credit.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

MUSE 5190. Guitar Ensemble.
Chamber guitar ensemble designed to provide interaction with fellow guitarists, develop musicianship as an ensemble performer, and to familiarize the student with music from different periods through a variety of literature. May be repeated for credit. Prerequisite: Music (Guitar Performance Specialization) major status.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

Music Performance (MUSP)

MUSP 1120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. BA in music status is required as well as MU 1000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1121. Vocal Techniques.
Vocal Techniques. Vocal instruction focusing on technique, musicality and performance for the beginning singer. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. BA in music status is required as well as MU 1000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1135. Piano Techniques I.
This is an introductory course to develop piano technique and musical style through sight-reading, scales, chords, harmonization, and improvisation.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: MUSI 1181

MUSP 1136. Piano Techniques II.
Beginning level course to develop piano technique and musical style through sight-reading, scales, chords, harmonization, and improvisation. Prerequisites: MUSP 1135 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: MUSI 1182

MUSP 1137. Piano Techniques III.
Intermediate level course to develop piano technique and musical style through sight-reading, scales, chords, harmonization and improvisation. Prerequisite: MUSP 1136 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1138. Piano Techniques IV.
Advanced level course to develop piano technique and musical style through sight-reading, scales, chords, harmonization and improvisation. Prerequisite: MUSP 1137 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. BA in music status is required as well as MU 1000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. BA in music status is required as well as MU 1000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. BA in music status is required as well as MU 1000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Music major status is required as well as MU 1000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 1000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1180. Introduction to Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1230. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the stringl area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Corequisite: MU 1000 with a grade of "C" or better; MUSE 3120, MUSE 3123, MUSE 3130, MUSE 3131, MUSE 3150, MUSE 3160, MUSE 3161, MUSE 3162; with a grade of "C" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 1280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. BA in music status is required as well as MU 2000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 2000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2125. Applied Voice for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual vocal development. May be repeated for credit. Permission from instructor required to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. BA in music status is required as well as MU 2000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 2000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2135. Applied Keyboard for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual keyboard development. May be repeated for credit. Permission from instructor required to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. BA in music status is required as well as MU 2000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 2000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2145. Applied Woodwind for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual woodwind development. May be repeated for credit. Permission from instructor required to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. BA in music status is required as well as MU 2000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 2000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2155. Applied Brass for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual brass development. May be repeated for credit. Permission from instructor required to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. BA in music status is required as well as MU 2000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 2000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2165. Applied String for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual string development. May be repeated for credit. Permission from instructor required to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. This course may be repeated for credit. Music major status is required as well as MU 2000, and the appropriate major ensemble must be taken concurrently. Corequisite: MU 2000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2175. Applied Percussion for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual percussion development. May be repeated for credit. Permission from instructor required to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2185. Applied Composition for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual composition development. May be repeated for credit. Permission from instructor required to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2191. Electronic Music I.
Theoretical and working knowledge of sound synthesis, MIDI, and computer-based composition emphasizing practical applications using available software and instruments. Major subject areas: hardware and software, virtual instruments, sampling & playback devices, timbre control, MIDI synchronization, sequencing, digital audio workstations, editing, mixing, notation, and composition. Full major in SRT required.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2192. Electronic Music II.
Continuation of the theoretical/working knowledge of sound synthesis, MIDI, and computer-based composition emphasizing practical applications using available software and instruments. Major subject areas: hardware & software, virtual instruments, sampling & playback devices, timbre control, MIDI synchronization, sequencing, digital audio workstations, editing, mixing, notation, and composition. Full major in SRT required. Prerequisite: MUSP 2191.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2225. Applied Voice for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual vocal development. May be repeated for credit. Permission from instructor required to enroll.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2230. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2235. Applied Keyboard for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual keyboard development. May be repeated for credit. Permission from instructor required to enroll.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2245. Applied Woodwind for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual woodwind development. May be repeated for credit. Permission from instructor required to enroll.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2255. Applied Brass for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual brass development. May be repeated for credit. Permission from instructor required to enroll.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2265. Applied String for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual string development. May be repeated for credit. Permission from instructor required to enroll.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Corequisite: MU 2000 with a grade of "C" or better; MUSE 3120, MUSE 3123, MUSE 3130, MUSE 3131, MUSE 3150, MUSE 3160, MUSE 3161, MUSE 3162 or equivalent; with a grade of "C" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 2285. Applied Composition for non-majors.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance for individual composition development. May be repeated for credit. Permission from instructor required to enroll.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3131. Jazz Piano Techniques I.
Beginning piano techniques, introducing scales and chords used in the jazz idiom. Prerequisite: MUSP 1136 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3132. Jazz Piano Techniques II.
Continuing study of piano technique in the jazz idiom and application of skills through performance and arranging. Prerequisites: MUSP 3131 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3145. Woodwind Techniques I.
Basic teaching and performance techniques of the clarinet and saxophone. Requires successful completion of the Upper Level Competency Review in Music Studies or permission from the instructor to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3147. Woodwind Techniques II.
Basic teaching and performance techniques of the flute and double reeds. Requires successful completion of the Upper Level Competency Review in Music Studies or permission from the instructor to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3155. Brass Techniques I.
Basic teaching and performance techniques of the high brass instruments. Requires successful completion of the Upper Level Competency Review in Music Studies or permission from the instructor to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3157. Brass Techniques II.
Continuation of the basic teaching and performance techniques of the low brass instruments. Requires successful completion of the Upper Level Competency Review in Music Studies or permission from the instructor to enroll.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3165. String Techniques.
Basic teaching and performance techniques of the violin, viola, cello and double bass. Full major in Music Studies required.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Music major status required as well as MU 3000 and the appropriate major ensemble must be taken concurrently. Corequisite: MU 3000.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3175. Percussion Techniques.
Basic teaching and performance techniques of marching and concert percussion. Full major in Music Studies required.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3191. Electronic Music III.
Further exploration into the theoretical and working knowledge of sound synthesis, MIDI, and computer-based composition emphasizing practical applications using available software and instruments. Major subject areas: hardware and software, virtual instruments, sampling & playback devices, timbre control, MIDI synchronization, sequencing, digital audio workstations, editing, mixing, notation, and composition. Prerequisite: MUSP 2192 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3192. Electronic Music IV.
Final studies in the theoretical and working knowledge of sound synthesis, MIDI, and computer-based composition emphasizing practical applications using available software and instruments. Major subject areas: hardware and software, virtual instruments, sampling & playback devices, timbre control, MIDI synchronization, sequencing, digital audio workstations, editing, mixing, notation, and composition. Prerequisites: MUSP 3191 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3195. Instrumental Techniques for Choral Students.
This course introduces basic teaching and performance techniques of band and orchestral instruments, instrumental ensembles and instrumental music programs for music students who consider instrumental music a secondary skill area. Full major in Music Studies, vocal concentration required.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3196. Jazz and Latin Ensemble Techniques.
This course explores the basic teaching and performance techniques of instrumentation, arranging and pedagogy in the areas of jazz and multicultural ensembles. Full major in Music Studies, instrumental concentrations.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

MUSP 3197. Choral/Vocal Techniques.
This course will prepare instrumental music studies students with knowledge of and practice in basic vocal/choral techniques along with guidance in the choosing of appropriate choral literature in order that they may be successful in developing, directing, and maintaining choral programs in elementary-secondary schools. Full major in Music Studies required.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

MUSP 3220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3230. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3255. Wind Instrumental Techniques for String Students.
This course is designed to introduce basic teaching and performance techniques of the major wind instruments, with a focus on instructing full orchestra. Students will observe, practice, and teach wind instruments in various settings. Full major in Music Studies, string concentration and Upper-Level review completion required. Prerequisite: MUSP 3165; MUSP 3265; with grades of "C" or higher.
2 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3265. String Techniques II.
This course is designed to review beginning-level techniques and to introduce intermediate and advanced-level techniques related to string teaching and playing. Techniques and concepts will be explored through historical perspectives, pedagogical approaches, performance (on primary and secondary instruments), observations of teaching, and teaching experiences. Prerequisite: MUSP 3165 with a grade of "C" or better.
2 Credit Hours. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 3280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. Co-requisite: MUSP 4230.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. Co-requisite: MUSP 4240 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. Co-requisite: MUSP 4260.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4230. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 4350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or permission from instructor. Corequisites: Departmental Recital and appropriate major ensemble; Departmental Recital must be taken at the same level as lessons.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5101. Graduate Recital.
A full-length, public recital in the appropriate applied music area. Should be taken simultaneously with a final semester of applied music instruction by those students in performance degree plans.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5120. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5127. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5130. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5140. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5150. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5160. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5164. Mariachi Melodia Techniques.
This course provides students with the fundamentals of playing and teaching the melodic instruments associated with the Mariachi ensemble, with specific emphasis on the voice, violin, and trumpet. Topics will cover history, tuning, and stylistic techniques associated with each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5165. Mariachi Armonia Techniques.
This course provides students with the fundamentals of playing and teaching the rhythm/harmony instruments in the Mariachi ensemble, with specific emphasis in the guitarrón, vihuela/guitar, and the harp. Topics will cover history, tuning, strumming, and stylistic techniques specific to each instrument. This course is repeatable for credit three times.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5166. Latin Music Methods.
This course provides students with knowledge that is essential to become effective directors of Mariachi and Salsa ensembles. Instruments, styles, repertory, and resources that are related to these ensembles will be discussed.
1 Credit Hour. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5170. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5175. Afro-Cuban Hand Drumming.
The fundamentals of playing and teaching Afro- Cuban Drums. Topics will cover history and knowledge of styles of the various Afro-Cuban percussion instruments.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5180. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5185. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5220. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5227. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5230. Applied Keyboarding.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5240. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5250. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5260. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5270. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5280. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5285. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5320. Applied Voice.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the vocal area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5327. Applied Conducting.
Through supervised private coaching, instruction focuses on baton technique, musicality, score reading, literature and performance in the conducting area, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated for additional credit. Prerequisite: Conducting Major or consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5330. Applied Keyboard.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the keyboard area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5337. Advanced Conducting.
Music performance class designed for further development of baton technique, score reading, and rehearsal preparation with special emphasis on analysis and musical styles. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

MUSP 5340. Applied Woodwind.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the woodwind area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5350. Applied Brass.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the brass area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5360. Applied String.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the string area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5370. Applied Percussion.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the percussion area. May be repeated for credit. Prerequisite: Music major status or consent of instructor.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

MUSP 5380. Applied Composition.
Through supervised private coaching, instruction focuses on technique, musicality, literature, and performance in the composition area. May be repeated for credit.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

MUSP 5385. Electronic Music Composition.
Introduction to recording and tape manipulation techniques of music concrete, electro-acoustical music techniques involving digital and analog synthesizers, and the MIDI environment. May be repeated for credit.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Nature and Heritage Tourism (NHT)

NHT 4301. Planning and Development of Nature and Heritage Tourism.
This course applies basic planning and development principles to the special issues of nature and heritage tourism. Particular emphasis is placed on locational analysis, site analysis, and planning for sustainable use. Prerequisite: GEO 2410 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NHT 4302. Internship in Nature and Heritage Tourism.
Students will work in private or public sector settings to gain practical experience in the planning, development and management of nature and/or heritage tourism. Internships must be approved by the director of the Center for Nature and Heritage Tourism. Students will be expected to perform at high professional standards and will interpret the internship experience within the context of current literature. Prerequisite: NHT 4301 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

Nursing (NURS)

NURS 3110. Health Assessment Across the Life Span Practicum.
This course requires demonstrated competency in the performance and documentation of physical assessments of well individuals and nursing care plans using the nursing process, critical thinking, and evidence-based practice. Apply teaching/learning principles in meeting the education needs of patients and demonstrate measures to maintain confidentiality of personal health information.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 3121. Essentials of Nursing Care Practicum.
This course requires the use of nursing process and clinical reasoning principles to provide safe, effective, patient-centered care. Evidence-based practices will be used when performing essential nursing skills and procedures to care for patients experiencing acute and chronic alterations in health status.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 3221. Essentials of Nursing Care.
This foundation course focuses on basic concepts related to essential nursing care of patients across the life span. Integration of knowledge of family systems, evidence-based practice, clinical reasoning, and the nursing process to provide safe, effective, patient-centered care will occur.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

NURS 3230. Healthcare Systems.
Access and barriers to healthcare, past and current healthcare policy, and the professional nurse's role in policy and delivery of healthcare, will be emphasized. Qualitative and quantitative research in relation to healthcare systems, evidence based nursing practice, and ethical topics will be discussed.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 3240. Nursing Care Across the Life Span Practicum.
This course uses clinical experiences to apply the nursing process in providing safe, effective, and quality care to patients and families across the life span. Clinical reasoning and judgment will be used to provide ethical, holistic, and patient-centered nursing care, promote health, prevent disease, and manage illness.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 3241. Acute Nursing Care of Adults Practicum.
This course requires students to use evidence-based and collaborative practice principles in providing safe, effective, and quality care to adult patients experiencing acute, rapidly changing, life-threatening alterations in health status. Clinical reasoning and judgment will be used to provide ethical, holistic, patient-centered nursing care, manage illness, and promote health.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 3250. Health Assessment Across the Life Span.
Conducting health histories and physical assessments of well individuals and developing nursing care plans that include patient age-specific health promotion, illness prevention, and risk factors will be emphasized. Assessments will encompass cultural domains, diversity, belief systems, and the implications for traditional as well as complementary and alternative healthcare.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 3260. Psychiatric Mental Health Nursing Practicum.
This course utilizes clinical experiences to promote application of the nursing process in providing quality care to those experiencing mental health issues across the life span. Competency in using evidence-based practices to promote health, prevent disease, and manage illness will be developed.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 3300. Foundations of Professional Nursing Practice.
This course explores the history of nursing in the context of the evolving healthcare system. Laws, regulations, and ethical guidelines impacting nursing licensure and professional practice will be examined. The delivery of patient and family-centered, evidence-based, and safe quality care will be explored. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

NURS 3302. Research and Ethics.
Introduction to critical appraisal of qualitative and quantitative research, and application of research and evidence-based processes used to improve decision-making and patient care outcomes across health settings. Integration of theory, information systems, clinical judgment, interprofessional perspectives and analysis of ethical conduct provide a foundation for learning the research process. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

NURS 3360. Psychiatric Mental Health Nursing.
This course applies theories, concepts, knowledge, and skills for the comprehensive nursing care of those coping with mental health issues. Building on a liberal education, this course integrates theories of mental illness, psychopathology, and current research findings as they relate to the presentation of symptoms and holistic management of care.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 3430. Pathophysiology and Pharmacology for Nurses.
Introduction and overview of pathology, clinical pharmacology and pharmacotherapeutics, including how major drugs are used therapeutically for age-specific clients. Other topics to be covered include drug laws and regulations, patient and nurse safety.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 3440. Nursing Care Across the Life Span.
This foundational course focuses on the use of clinical reasoning and judgment to provide collaborative care to patients across the life span experiencing chronic and acute alterations in health status. Content is presented based on evidence-based practice and the prevalent health needs of patients. Prerequisite: NURS 3430 with a grade of "D" or better.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

NURS 3441. Acute Nursing Care of Adults.
This course focuses on the use of evidence-based practice and clinical reasoning and judgment to provide collaborative care to adult patients experiencing acute, rapidly changing, life-threatening alterations in health status.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 4160. Maternal and Newborn Nursing Practicum.
This course is the clinical companion to NURS 4260. Concepts, knowledge, and skills taught in NURS 4160 will be applied to both simulation lab and clinical settings. Evidence-based, developmentally and culturally appropriate nursing care in a variety of patient-care settings will be emphasized.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 4170. Pediatric Nursing Practicum.
This course is the clinical companion to NURS 4270. Concepts, knowledge, and skills taught in NURS 4270 will be applied in the simulation lab and clinical settings. Evidence-based, developmentally and culturally appropriate nursing care in a variety of patient-care settings will be emphasized.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 4201. Professional Growth and Empowerment.
This course focuses on issues related to professional practice, career planning, personal goal setting, and empowerment of self and others. Factors related to job performance, performance expectations and evaluation, reality orientation, and commitment to lifelong learning will be discussed.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 4204. Policy, Ethics, and Advocacy in Professional Nursing Practice.
This course explores the baccalaureate prepared nurse's role informing the public policy process. Nursing jurisprudence, principles of nursing ethics, patient safety advocacy, standards and scope of nursing practice, professional boundaries, nursing peer review, and whistleblower protections are emphasized to prepare students to influence the U.S. Health Care System and society.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 4205. Healthcare Information Technology in Nursing Practice.
This course emphasizes nursing informatics and technology used in healthcare settings to research, support and implement safe quality patient care. Nursing administrative applications, pre-care and care support, electronic health records, clinical information systems, telehealth, informatics promoting community and consumer health, HIPAA, and technology to enhance collaboration in healthcare are covered.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 4211. Nursing Care in Complex Health Practicum.
This course focuses on providing care to patients with complex health alterations and life situations. Nursing care to patients in a variety of settings will be provided using the concepts of therapeutic communication and collaborative interventions with a focus on the complexity of the patient's or family's needs.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 4260. Maternal and Newborn Nursing.
This course applies the nursing process and evidence-based practice to the care of maternal and newborn patients in a variety of healthcare settings. The course emphasizes the use of the nursing process to provide care to individuals and families that is developmentally and culturally focused.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 4270. Pediatric Nursing.
This course applies the nursing process and evidence-based practice to the care of pediatric patients in acute, outpatient and non-acute care settings. The course emphasizes the use of the nursing process to provide care to individuals and families that is developmentally and culturally appropriate.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 4280. Community and Population Health Nursing Practicum.
Clinical experiences will expose students to a variety of community and public health environments, health programs and policies in order to learn how nursing care is delivered to populations in community settings.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 4302. Role Transition to Professional Nursing.
This didactic course focuses on role responsibility and accountability for transition into baccalaureate nursing practice. Emphasis is given to core professional standards and ethical values fundamental to nursing. Principles of professional communication, critical thinking, and role socialization will be integrated within an organizational context for professional growth. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

NURS 4303. Safety and Quality in an Interprofessional Environment.
This course emphasizes the professional nurses' role in application of evidence based quality improvement and risk reduction strategies that promote safe environments while maximizing resources and opportunities for positive patient outcomes. Participation in highly effective Interprofessional teams is emphasized with concepts applied to local, national and international health issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 4311. Nursing Care in Complex Health.
This course explores traditional and contemporary nursing concepts related to complex health alterations, compensations, and environments across the life span. Therapeutic communication, education, and collaborative interventions with diverse individuals and groups are emphasized including the use of complementary and alternative modalities to meet the needs of patients.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

NURS 4341. Leadership and Management of Nursing Care Practicum.
Leadership and management skills in a variety of nursing care situations will be applied. Nursing unit leadership and staff assignments based on assessment of client needs, resources, priorities, and competencies of staff will be covered. Assessment and evaluation of the provision of evidence-based nursing care will be performed.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 4351. Leadership and Management of Nursing Care.
Students discuss leadership and management theories related to organizational nursing roles, including competencies required for complex change, performance improvement, and transformational leadership. Organizational contexts, structure, processes, and culture, in leading and directing patient centered care are examined, along with relationships between governance structures, practice environments, and positive patient outcomes. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

NURS 4380. Community and Population Health Nursing.
This course explores concepts of Community-Oriented Nursing Practice with an emphasis on using the nursing process to assess the health of communities and diverse populations. Public Health Nursing Practice and Community-Based Nursing Practice are discussed with an emphasis on health promotion and the prevention of disability and disease.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

NURS 5102. Advanced Health Assessment Practicum.
This course emphasizes advanced health assessment techniques and skills common to patient evaluation and development of differential diagnoses. Advanced physical assessment skills and identifying common signs and symptoms related to physical examination will be developed. Restricted to MSN degree students only.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 5106. Fundamentals of Appraisal and Translational Research II.
This course builds upon work begun in the first research course. Emphasis will be placed on writing an evidence-based scholarly paper or project in collaboration with a faculty member. Presentation of the findings and submission of a paper for publication will be required in the final semester. Restricted to MSN degree students only.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5107. Fundamentals of Appraisal and Translational Research III.
This course is a continuation of work begun in previous courses and will result in an evidence-based scholarly paper or project. Presentation of the findings and submission of a paper for publication will be required. This is a culminating project for the entire course of study. Restricted to MSN degree students only.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5141. Reproductive, Sexual and Obstetrical Health Practicum.
Students will integrate research evidence into practice with adolescent and adult patients while working in clinical settings in collaboration with other health care professionals. Students will utilize a systematic approach of assessment to develop advanced practice treatment plans for patients seeking care related to reproduction, sexual and obstetrical health. Restricted to MSN degree students only.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5170. Advanced Health Assessment Mental Health Focused Practicum.
This course emphasizes advanced health assessment techniques and skills common to patient evaluation and the development of differential diagnoses. Advanced physical and mental health assessment skills and the ability to identify common signs and symptoms related to physical and mental health disease processes will be developed.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5176. Models of Psychotherapy.
The course will examine the variety of therapeutic modalities available for the treatment of mental health disorders across the lifespan. Attention will be given to the nurse as psychotherapist and the development of a framework for practice. Integrating psychopharmacology with psychotherapy, and therapy with special populations will be presented.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5177. Models of Psychotherapy Practicum.
This course emphasizes advanced health assessment techniques and skills common to patient evaluation and the development of differential diagnoses. Advanced physical and mental health assessment skills and the ability to identify common signs and symptoms of disease will be developed.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5180. Advanced Health Assessment Applications for PMHNP.
This course emphasizes advanced mental health assessment techniques and skills unique to patient mental health evaluation and the development of differential diagnoses. Advanced physical and mental health assessment skills using standardized instruments and DSM5 guidelines will be developed.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5182. Psychoeducation Theory.
The course will explore approaches to patient education including legal and ethical issues specific to mental health. Educational activities, including teaching, counseling, and behavior modification will be discussed. Examination of techniques specific to mental and behavioral health and the use and impact of technology will be included.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5183. Psychoeducation Practicum.
The course will apply approaches to patient education including legal and ethical issues specific to mental health. Educational activities, including teaching, counseling, and behavior modification, will be implemented. Examination of techniques specific to mental and behavioral health and the use and impact of technology will be included.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5202. Advanced Health Assessment.
This course emphasizes advanced health assessment techniques and skills common to family practice. Advanced skills in laboratory evaluation, taking and assessing patient history, and diagnostic capabilities, which are sensitive to cultural and developmental needs of a variety of patients in diverse settings, will be developed. Restricted to MSN degree students only.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5204. Fundamentals of Appraisal and Translational Research I.
This course focuses on a variety of interest areas, related research and the evaluation of current research trends. There will be critique of research methodologies and outcomes into application within the clinical setting, as well as exploration of technological applications and student data compilations.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5205. Health Care Leadership for a Changing World.
This course explores leadership concepts and complexity of changing healthcare systems for the advanced nursing role. Healthcare economics, innovation, and resource stewardship are examined. Change management and leadership theories guide students to create a leadership philosophy. Rich leadership perspectives and diversity from various professional fields are examined through reflective practice.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5208. Current Issues in Advanced Practice Nursing.
The current professional and legal issues that influence advanced practice nursing, nursing education and the health care delivery system are discussed. Health care policy, changes in the economics of health care, and their impact on nursing are considered.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5273. Neuroscience for Mental Health Practitioners.
This course explores the connection of mind and body and the current neuroscience that supports the linkage between them. The physiology of the brain and nervous system, genetics and epigenetics, and the immune system will be examined. Diagnostic tools and evidence-based treatment modalities will be explored.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5274. Developmental Models of Care Across the Lifespan.
The course will explore the contribution of growth and development on mental illness. Specific attention will be paid to disorders of childhood, adolescence, and aging. Developmental factors associated with mental illness will be examined. Specific attention will be given to anxiety, autism spectrum, bipolar, depression, dementia, and impulse control disorders.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5275. Developmental Models of Care Across the Lifespan Practicum.
The course will explore therapeutic mental illness interventions that occur during lifespan growth and development. Specific attention will be given to anxiety, autism spectrum, bipolar, depression, dementia, and impulse control disorders of patients across the lifespan.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5278. Acute and Crisis Models of Care Across the Lifespan.
This course will explore acute and crisis conditions needing immediate intervention and care. The examination of substance abuse, violence, trauma, suicide, and forensics will be undertaken. Special emphasis will be placed on suicide prevention, substance abuse intervention, and domestic violence. Disorders leading to forensic intervention will be discussed.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5279. Acute and Crisis Models of Care Across the Lifespan Practicum.
This course emphasizes mental health assessment techniques and skills for patients experiencing a variety of acute or crisis health issues and the development of differential diagnoses. Advanced physical and mental health assessment skills, identifying symptomology and treatment strategies for suicide prevention, substance abuse, and domestic violence, will be developed.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5281. Psychopharmacology.
This course focuses on the principles of clinical psychopharmacology for diverse populations across the lifespan. Knowledge of pharmacologic categories, indications and contraindications, dosing with special needs groups, adverse effects, and collaborative monitoring of pharmacotherapy and alternative therapies will be developed.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5287. Chronic Mental Health Self-Management Across the Lifespan Practicum.
The course will apply self-management strategies for psychiatric disorders that manifest throughout the lifespan. Chronic disease self-management principles will be applied to a variety of long-term mental illnesses in a clinical setting. A self-management intervention will be developed, implemented and evaluated.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5301. Advanced Pathophysiology.
In preparation for advanced practice, this course will expand understanding of the pathophysiology underlying dysfunctions and interrelatedness of the processes of normal physiology and pathophysiology across the continuum of disease and return to wellness. Applications will be made utilizing lifespan perspectives of the process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5303. Advanced Pharmacotherapeutics.
This course provides advanced knowledge in selecting pharmacologic agents and specific drugs, based on acute and chronic health problems in diverse populations. Knowledge of pharmacologic groups, indications and contraindications, dosing with special needs groups, adverse effects, and collaborative monitoring of pharmacotherapy and alternative therapies will be developed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5310. Adult/Gerontology Primary Care Practicum.
This clinical experience encompasses adult through geriatric health care in a variety of clinical settings. Application of the principles for developing a differential diagnosis, clinical decision making, designing interventions for patient care, and treatment in a variety of clinical settings will be performed. Restricted to MSN degree students only.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 5311. Behavioral Health Primary Care.
This course includes family system theories and their application to families. Common behavioral health diagnoses, such as anxiety, depression, and co-existing mental and physical illness, are investigated in relation to the human lifespan. The prevalence and incidence of behavioral health issues are considered in terms of diagnosis and theory. Restricted to MSN degree students only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5330. Pediatric & Adolescent Primary Care Practicum.
Students will integrate translational research evidence into practice with adolescent and pediatric patients while working in clinical settings in collaboration with other health care professionals. Students will utilize a developmental approach of assessing the pediatric and adolescent patient to create advanced practice treatment plans. Restricted to MSN degree students only.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 5341. Reproductive, Sexual and Obstetrical Health.
This course examines issues of fertility and infertility in males and females as well as the diseases related to sexual health. Selected topics in obstetrics, genetics, adolescent sexuality, family planning, cancers, HIV/AIDS, and STI's will be explored. Restricted to MSN degree students only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5350. Integrative Family Primary Care Practicum.
This course develops skills in utilization of holistic assessment, as well as application of the principles for developing a differential diagnosis, clinical decision making, and designing interventions and treatment in a variety of clinical settings. Evaluation of traditional and complementary/alternative methods for supporting health promotion will also be explored. Restricted to MSN degree students only.
3 Credit Hours. 0 Lecture Contact Hours. 12 Lab Contact Hours.
Grade Mode: Credit/No Credit

NURS 5351. Theoretical Foundations of Advanced Integrative Nursing.
This course includes nursing theories and the interrelatedness to the advanced practice role. Mind and body interconnectedness, allopathic and alternative care models are discussed. The developmental processes between wellness and illness are considered. Restricted to MSN degree students only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5360. Leadership Science: Foundational Thinking Skills, Governance, & Community & Provider Relationships.
This course will emphasize leadership skills in communication, leadership styles and organizational theory. Communication will focus on conflict resolution, presentation skills, and relationship building. Delivery systems, leadership styles, and demand for nursing will be examined. Complexity science, systems theory, and diversity required for organizing health care will be explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5361. Leadership Science: Performance and Quality Improvement.
This course will articulate performance improvement activities using evidence-based metrics to align patient outcomes with organizational goals. Methods for using quality metrics and action plans will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

NURS 5362. Leadership Science: Patient Safety, Risk Management, Legal and Regulatory Requirements.
This course will examine areas of risk and liability. Students will develop systems that identify early warning indicators of problems and will explore "just in time" reporting. The concept of sentinel events and root cause analysis will be explored. Accreditation standards, legal regulations, and compliance requirements will be integrated.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5363. Leadership Science: Evidence-Based Practice for Nurse Leaders.
The students will explore evidence-based practice (EBP) for nurse leaders. This EBP course will equip nurses with the skills needed to effectively engage in EBP, to serve as EBP champions and mentors, and to lead projects within healthcare facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5364. Leadership Science: Health Care Finance and Workforce Planning.
This course will emphasize workforce planning for nursing and the application of general principles of accounting. Twenty hours will be allocated to the development of a department operational and capital budget in collaboration with a nurse director or executive. Negotiation and monitoring of contracts and contract compliance will be explored.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

NURS 5365. Leadership Art: Ethics, Diversity, and Relationship Building.
This course will explore theories of culture and will include legal regulations that govern diversity. The relationship between medical ethics and corporate compliance will be explored. Methods for creating a trusting environment will be evaluated and the need for relationships with providers and academia will be illustrated.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5366. Leadership Art: Health Policy and Advocacy.
This course will focus on the need for leaders to belong to professional organizations to affect policy and advocacy. Participation in legislative activities will be promoted at the state and national levels. The impact of nurse leaders serving on boards that govern health care activities and organizations will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5367. Leader Within: Professional Accountability, Succession Planning and Reflective Practice I.
This course provides a mentored experience for the synthesis of critical thinking and reflections from didactic work with the practice of nursing leadership. Observational and independent learning activities will result in a Part I of the final capstone project reflecting culmination of program objectives.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

NURS 5368. Leader Within: Professional Accountability, Succession Planning and Reflective Practice II.
This course is designed to be the culminating mentored experience for the synthesis of critical thinking and reflections from didactic work with the practice of nursing leadership. Students will evaluate and present their final capstone project, reflecting summation of program objectives.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

NURS 5372. Psychological Theory for Mental Health Practitioners.
The course provides the foundation for assessing the most commonly used theories in psychiatric- mental health practice and integrating the nursing theories specific to psychiatric nursing. Theories used to guide practice will be stressed. Emphasis will be placed on the interrelationship between theory and research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5384. Role, Leadership, Policy, and Ethics Within the US Healthcare Delivery System.
The course will emphasize the role of the Psychiatric Mental Health Advanced Practice Nurse. Leadership styles, the process of policy, ethical standards, barriers, and role will be addressed. Characteristics of leaders in the nurse practitioner role, policy and policy making, and ethical dilemmas facing patients and providers will be included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5385. Translational Research and Capstone.
The students will explore evidence-based practice (EBP) for Psychiatric Mental Health Nurse Practitioners. This course will equip nurses with the skills needed to effectively engage in EBP, to serve as EBP champions and mentors, and to lead projects that translate evidence into clinical practice within healthcare facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5386. Chronic Mental Health Self-Management Across the Lifespan.
The course will explore psychiatric disorders that manifest throughout the lifespan. Chronic disease self-management principles will be applied to a variety of long-term mental illnesses. Emphasis will be placed on the chronicity of certain illnesses and the need to manage them from onset to end-of-life.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5410. Adult/Gerontology Primary Care.
This course focuses on the collection of data, pertinent laboratory findings, diagnostic tests, differential diagnoses and plans for therapeutic intervention. Integration of theory, health promotion, disease prevention, and clinical decision making in a variety of clinical care settings as applied to adults and older adults will be emphasized. Restricted to MSN degree students only.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5430. Pediatric & Adolescent Primary Care.
This course investigates the primary care management process to diagnose, treat, and follow up common illnesses of increasing complexity in pediatric and adolescents using family-centered and developmental perspectives. Perspectives of underserved popluations in a variety of clinical settings will be explored. Restricted to MSN degree students only.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NURS 5450. Integrative Family Primary Care.
This course emphasizes the evaluation of clinical indications and contraindications, potential risks, and methods of accessing evidence-based information about complementary and alternative care, nutrition, herbs and dietary supplements. Skills in educating patients, communicating and collaborating with other health professionals, and documenting and reporting adverse events will be mastered. Restricted to MSN degree students only.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Nutrition and Foods (NUTR)

NUTR 1162. Food Systems Laboratory.
This course provides for application of the management techniques and concepts of planning, preparation, cost analysis, and evaluation covered in NUTR 1362. Corequisite: NUTR 1362 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 1362. Food Systems.
Nutrition, food science, and management principles in planning, procuring, preparing, preserving, evaluating, and serving food to fulfill dietary requirements of individuals and diverse cultural groups. Includes federal legislation, environmental issues, and culinary principles. Corequisite: NUTR 1162 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 2162. Food Science Laboratory.
Students engage in laboratory techniques and exercises related to food, chemistry, microbiology, nutrition, food palatability, and food safety. Prerequisite: NUTR 2360 with grade of "C" or better. Corequisite: NUTR 2362 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 2360. Nutrition Science.
The science of human nutrition with emphasis on nutrient digestion, absorption, and excretion; nutrient metabolism, requirements, and sources. Prerequisite: Three semester hours of science.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BIOL 1322

NUTR 2361. Nutritional Assessment.
This course teaches the principles and techniques of assessing nutritional status, presents interviewing and nutrition counseling theories, development of individualized treatment plans and educational tools, and accessing community nutrition resources. Practical application is provided through assignments and in-class experiences. Prerequisite: NUTR 1362 and NUTR 2360 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 2362. Food Science.
Students learn the scientific principles underlying the relationships among food, chemistry, microbiology, nutrition, and food safety as related to the major food groups. Prerequisites: 3 hours of chemistry or biology, and NUTR 2360 with grade of "C" or better. Co- or prerequisite: NUTR 2162 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 3303. Research Methods in Nutrition Science.
This course will focus on the evaluation of research concepts, methods, and strategies used in nutrition research. Topics include epidemiological, community, clinical, animal, and cell culture models, study design, statistical analysis and dissemination of research findings. Students will locate, read, and evaluate scientific literature. Prerequisites: FCS 3303 and NUTR 3367 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 3362. Nutrition and Health.
For non-science majors. Involves the study of the nutrients and their function in promoting health throughout the life span. Includes standards for consumer selection of a proper diet and analysis of nutrition-related health problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 3363. Nutrition for Wellness and Fitness.
Students will study the causes and treatment of overweight and obesity and the effects of dietary and lifestyle choices on attainment and maintenance of health and prevention of chronic diseases. Basic exercise physiology is introduced and dietary recommendations for sports, fitness and prevention of eating disorders are also presented. Prerequisite: NUTR 2361 and NUTR 3367 and [BIO 2430 or (BIO 2451 and BIO 2452)] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 3364. The Science of Nutrition and Exercise.
This course focuses on basic nutritional science, with emphasis on the physiological and biochemical importance of nutrition to physical performance, health, and fitness. The use and efficacy of ergogenic aids will be investigated. The course requires reading and interpreting the scientific literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 3367. Nutrition and Physiology.
This course integrates the study of nutrition with other biological sciences, focusing on cellular and molecular physiological processes related to digestion, absorption, transport, and metabolism of nutrients and other dietary components. Prerequisite: NUTR 2360 and BIO 2430 both with grades of "C" or better and CHEM 1141 and CHEM 1341 and CHEM 1142 and CHEM 1342 all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4101. Special Problems in Nutrition and Foods.
Independent reading and/or research on a specific topic related to students' primary area of interest. Work may consist of research, reviews, and integration of existing literature, or other appropriate independent work. May be repeated once for credit with approval of instructor.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

NUTR 4167. Food Systems-Production & Management Laboratory.
This course provides for the application of the management techniques and concepts of institutional food production covered in NUTR 4367. Prerequisite: NUTR 1362 and NUTR 2360 both with grades of "C" or better. Corequisite: NUTR 4367 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4301. Career Exploration in Nutrition and Foods.
Students engage in applied experience under the supervision of a professional mentor in nutrition and foods-related professions, services, businesses, and/or research. (Capstone Course). Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4302C. Micronutrients.
A study of the biochemical and physiological foundations of nutrition. Information pertaining to biochemical structure, metabolism and physiological regulation of minerals and fat-soluble vitamins. Prerequisite: NUTR 2360 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

NUTR 4302E. Community Nutrition.
A study of community nutrition programs addressing food insecurity, prevention and treatment of chronic diseases, and health promotion among special populations, including maternal, infant, child, adolescent and older adults. Review of national and international healthcare systems; program planning incorporating evidence-based intervention strategies. Prerequisite: NUTR 2360 or NUTR 3362; NUTR 4365.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

NUTR 4350. Hospitality.
Focus on the principles underlying operations in the hospitality industry. Concepts include residential and lodging operations, guest expectations, food, beverage, and maintenance services, promotions, budget control, personnel and security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4360. Medical Nutrition Therapy.
This course explains the physiological and biochemical abnormalities of certain disease states of human body systems with emphasis on diet modification as a therapeutic measure. Prerequisite: NUTR 3367 and [BIO 2430 or (BIO 2451 and BIO 2452)] both with grades of "C" or better and NUTR 4365 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4361. Biochemical Nutrition.
A study of the biochemical and physiological foundations of nutrition. Information pertaining to cytology, biochemical structure of nutrients, energy transformations, nutrient-drug interactions, and the anatomy, physiology, and nutrient metabolism of major organ systems is covered. Prerequisite: NUTR 3367 and [BIO 2430 or (BIO 2451 and BIO 2452)] both with grades of "C" or better and NUTR 4365 with grade of "D" or better. Corequisite: [CHEM 2150 and CHEM 2350] or CHEM 3375 or CHEM 4375 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4362. Nutrition and Genetics.
This course will examine the specific processes in intermediary nutrient metabolism and their genetic regulation. The effects of nutrients on gene expression, cell signaling, cell physiology, and disease processes will also be explored. Prerequisite: NUTR 3367 and [BIO 2430 or (BIO 2451 and BIO 2452)] and [BIO 2400 or BIO 2440] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4363. Nutrition Counseling and Education.
Study of teaching/learning styles and development of counseling skills to improve the nutritional status of individuals, families, and groups. Development of effective nutrition education materials and media communications. Prerequisite: NUTR 2361 with a grade of "C" or better and NUTR 4365 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4365. Nutrition in the Life Span.
This course provides for the in-depth study of the normal growth, development, and nutritional requirements associated with pre-pregnancy, pregnancy, infancy, childhood, adolescence, and the older adulthood. (WI) Prerequisite: NUTR 2361 and NUTR 3367 and [BIO 2430 or (BIO 2451 and BIO 2452)] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

NUTR 4366. Ethics and Policy in Nutrition.
This course addresses the influence of government, interest groups, media, and industry on nutrition policy decisions, public and private funding, nutrition education, the food supply and food choices, and includes discussion of ethical considerations that have an impact on public health. (WI) Prerequisite: NUTR 1362 with grade of "C" or better and NUTR 4365 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

NUTR 4367. Food Systems-Production & Management.
Students study the principles, policies, and procedures for planning, procurement, staffing, production, evaluation, and research in institutional food service. Topics include systems design, decision hierarchy, organizational structure, and personnel selection, training, and management. Prerequisite: NUTR 1362 and NUTR 2360 both with grades of "C" or better. Corequisite: NUTR 4167 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 4391. Independent Study in Nutrition and Foods.
Independent reading and/or research on a specific topic related to students' primary area of interest. Work may consist of research, reviews, and integration of existing literature, or other appropriate independent work. May be repeated once for credit with approval of instructor. (WI).
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

NUTR 5101. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

NUTR 5199B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5299B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5300. Foundation Studies in Human Nutrition.
This course is designed for students who do not have a sufficient background in the foundations of nutrition and food science to be successful in graduate level courses. This course does not earn graduate degree credit. Course is repeatable. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

NUTR 5302F. Nutritional Supplements.
An advanced study of the efficacy of dietary supplements. Both nutrient and non-nutrient supplement components will be discussed. Clinical trials, epidemiological data and molecular mechanisms of action of dietary supplements will be compared to manufacturer's claimed action. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

NUTR 5302G. Pediatric Obesity.
An advanced study of pediatric obesity, including causes, economic and health related consequences, evidence-based treatment and prevention strategies. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

NUTR 5305. Seminar in Nutrition and Disease.
An advanced study of a selected topic in nutrition concerning nutrients and functional foods and their role in disease prevention or treatment. Class topics will enter on clinical trials, epidemiological data and molecular mechanisms of action concerning the ability of nutrients to prevent or treat disease. Repeatable for credit when topic varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5306. Seminar in Nutrition in the Lifespan.
An advanced study of a selected topic in nutrition and the lifespan from a multidisciplinary perspective, including review of scientific literature in nutrition, physiology, biochemistry, sociology, exercise sports science, epidemiology, endocrinology and genetics. Repeatable for credit when topic varies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5320. Diet Therapy and Pathophysiology.
This course will study the physiological and biochemical abnormalities of certain disease states as they relate to the human body's systems placing emphasis on diet modification as a therapeutic measure.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5350. Research Methods in Nutrition and Food Science.
Evaluation of research concepts, methods, and strategies used in nutrition and food science research. Topics include the nature of scientific research, sampling, measurement, data collection, types of research methodology, use of data analysis and management software, and evaluation of research reports.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5355. Advanced Independent Study in Nutrition.
Individual work with specific guidance from graduate nutrition faculty. Work may include participation in research, professional practice, and/or critical review of the scientific literature. Course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5360. Practicum for Dietetic Internship.
Students observe and engage in the practice of dietetics under the supervision of practitioners in facilities for health care, public health, and food systems. Repeated twice to meet requirements to complete the dietetic internship program. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5361. Advanced Food Systems Administration.
Techniques and procedures for management, service, and marketing of meals in commercial and noncommercial food service facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5362. Advanced Medical Nutrition Therapy.
Advanced study of medical nutrition therapy with emphasis on application of principles and techniques of nutritional assessment emphasizing current clinical nutrition practices. Current scientific literature will be used extensively to discuss most recent advances in the area of medical nutrition therapy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5363. Advanced Community Nutrition.
Assessment of the nutritional needs of the community and of programs that serve the needs. Experiences include survey techniques, nutritional education, and management of programs to meet specific nutritional needs through community agencies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5364. The Science of Nutrition and Exercise.
An advanced course focusing on the physiological and biochemical impact of nutrient intake on physical performance, health and fitness. Special emphasis will be placed on the investigation of a variety of dietary supplements, including purported ergogenic aids. The course requires significant reading and interpreting of the scientific literature.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5366. Nutrient Metabolism I.
An advanced study of the biochemical and physiological foundations of nutrition and metabolism and its relevance to health and wellness. Scientific literature pertaining to biochemical structure, metabolism and physiological regulation of macronutrients and water-soluble vitamins.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5367. Nutrient Metabolism II.
An advanced study of the biochemical and physiological foundations of nutrition with emphasis on fat-soluble vitamins and minerals. Current scientific information pertaining to structure, metabolism and physiological regulation of these micronutrients.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5371. Externship in Human Nutrition.
Structured practical experience in human nutrition, food science, food biotechnology. Supervision provided by a member of the graduate faculty and a designated individual at the work site. Requires a minimum of 150 hours of supervised experience. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

NUTR 5372. Advances in Nutrition Policy and Ethics.
This course considers the disparate influences on the US food supply, on federal and state nutrition and food-related policies, and ultimately, on individual dietary intake. Potential influences, including current state and federal policies, industry, interest groups, and the media, driven by economics and ethical consideration, will be addressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5374. Advanced Nutrition and Genetics.
This course will examine the specific processes in intermediary nutrient metabolism and their genetic regulation. The effects of nutrients on gene expression, cell signaling, cell physicology, and disease processes will also be explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5375. Advances in Life Span Nutrition.
An advanced study of the nutritional requirements throughout the life span involving a multidisciplinary approach including, biochemistry, endocrinology and genetics, and perspectives of human psychological and social development. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

NUTR 5399A. Thesis.
Initial thesis enrollment. Focus is on identification of thesis topic, review of literature, research design and preparation of thesis proposal. No thesis credit is awarded until completion of NUTR 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

NUTR 5399B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5599B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

NUTR 5999B. Thesis.
Continuing thesis enrollment. Focus is on data collection, analysis and writing of the thesis. The student continues to enroll in this course until the thesis is defended.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Occupational Education (OCED)

OCED 3310. Human Problems in the Workplace.
Overview of problems that supervisors, teachers, and co-workers encounter in business/industry, social service, military, or education. This range of problems interferes with communication, performance, and development of proficiency in school/work. Perspectives and reports on the incidence of these problems will be presented, as well as actions for these human problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 3350. Introduction to Interdisciplinary Studies for the Bachelor of Applied Arts and Sciences Degree.
Students in this course will apply critical and reflective thinking to develop an individualized plan consisting of interdisciplinary studies courses that meet their career goals. Students will also assess their needs for earning credits through prior learning assessment (PLA), and identify potential capstone projects aligned with their professional goals. Prerequisite: 2.25 Overall GPA; Texas State GPA of 2.25. Corequisite: OCED 4350.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 4111. Independent Study in Occupational Education.
This is an independent study course that allows research on topics in occupational education related to a student's interests. Work may include individual research, critical reviews or integration of existing bodies of knowledge. Course may be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

OCED 4350. Adult Development and Career Planning.
This course introduces students to human development, learning theory, transition theory, interdisciplinary studies, career planning and assessment, and goal setting relevant to developing a professional growth plan. (WI). Prerequisite: 2.25 Overall GPA; Current Texas State students must also have a Texas State GPA of 2.25. Corequisite: OCED 3350.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

OCED 4360. Bachelor of Applied Arts and Sciences Capstone Part 1.
This is the first part of a two-part capstone devoted to the development of the student's supervised capstone project. Proposal development, review of literature, creation of timelines, and task analysis are stressed. Following instructor approval, work on the capstone project begins in this course. (WI) Prerequisites: OCED 3350 and OCED 4350 both with grades of "D" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 13 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

OCED 4361. Bachelor of Applied Arts and Sciences Capstone Part 2.
This is the second part of a two-part capstone devoted to the development of the student's supervised capstone project. Application of knowledge, abilities, and skills acquired in the degree program is stressed. It requires extensive reports and documentation. Prerequisite: OCED 4360 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 13 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

OCED 5101. Instructional Skill Development.
Graduate assistants are required to enroll in this course to be prepared to instruct/assist with classes in Occupational/Career and Technology Education. Topics covered are essential teaching strategies, techniques, evaluation design, online instruction, and effective instructional, motivational techniques. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

OCED 5300. Interdisciplinary Research Methods.
Basic and advanced concepts related to interdisciplinary research. Special emphasis will be placed on technical writing skills, electronic analysis of databases, appropriate statistical treatment of data, development and validation of instruments, and interdisciplinary research design and procedures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5301. Applied Interdisciplinary Research Part 1.
The instructional intent is to provide the graduate students with an opportunity to apply their research skills. Students are carefully monitored and mentored in initiating, performing, and documenting their individualized research project. Prerequisite: OCED 5300 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5302. Applied Interdisciplinary Research Part 2.
This course is the final course in the interdisciplinary research series. It requires the development of a comprehensive final research report including extensive tables and graphs. Students must also be prepared to present the findings of the research to the Occupational Education faculty and students at the Graduate Research Forum. Prerequisite: OCED 5301 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5303. Reflective and Experiential Learning Techniques.
This course prepares graduate students for a field-based practicum. Students learn reflection and experiential learning techniques useful in the domain of careers, workplace, and leadership. They also locate, develop, and propose a professional practicum experience. Corequisite: CTE 5330 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5304. Professional Practicum.
This course engages students in a field based experience designed in OCED 5360C, the previous course in the sequence. Students implement their practicum of approximately 120 hours in a work-based setting and concurrently collect ongoing reflections of their experience.
3 Credit Hours. 1 Lecture Contact Hour. 8 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5310. Human Problems in the Workplace.
Overview of problems that supervisors, teachers, and co-workers encounter in business/industry, social service, military, or education. This range of problems interferes with communication, performance, and development of proficiency in school/work. Perspectives and reports on the incidence of these problems will be presented, as well as actions for these human problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5311. Technology, Change, and Innovation in Organizations.
This course provides students with opportunities to discover and apply theoretical perspectives on managing innovations within various organizational settings, such as work teams, departments, non-profits, governmental, businesses, and educational institutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5315. The Principles of Extramural Funding.
This course explores competencies of locating external agency funding for occupational, workforce, and leadership research, teaching and extension. The principles of producing a competitive proposal that includes multi-, cross- and inter-disciplinary collaborations are also discussed. The development of the grant proposal, implementation, budget, and evaluation plan will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

OCED 5360B. Critical Thinking in the Workplace.
This course provides students with an opportunity to examine workplace decision making in terms of critical thinking. Current occupational approaches to critical thinking will be emphasized. Students will participate in simulations and case studies of critical thinking for the workplace.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

OCED 5360D. Leadership Development.
This course introduces students to leadership theory. Students will explore multiple approaches to leadership, topics related to leadership within organizations, ethics and values in leadership, and practical applications of theory in real-life situations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

OCED 5360E. Organization Development in the Workplace.
This course introduces students to organization development (OD), which uses knowledge and practices to improve organizational, group, and individual performance. Students will explore major theories, concepts, skills, and techniques for the practice of OD and the interventions used to lead and manage organization change in various contexts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

OCED 5360F. The Basics of Extramural Funding.
Emphasizing professional relationships of mutuality, collaboration, and respect for the client system, this course helps students develop knowledge and skills to enhance organizational resources, particularly in developing programs, raising funds, writing grant proposals, and marketing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

OCED 5361. Human Systems in the Workplace.
This course provides an overview of complexity science and systems theory. Students will explore how systematic inquiries are conducted within organizations, examine topics related to organizational dynamics, and apply systems theory to practical problems in organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Philosophy (PHIL)

PHIL 1305. Philosophy and Critical Thinking.
A study of universal philosophical problems and their solutions with a view toward developing clear thinking about knowledge, belief, and value. Approximately one half of this course will focus on the student's critical thinking skills. Credit cannot be given for both PHIL 1305 and PHIL 3301. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lang, Phil & Culture Core 040|Writing Intensive
Grade Mode: Standard Letter
TCCN: PHIL 1301

PHIL 1320. Ethics and Society.
Study of ethics, its recent focus on social problems, and new fields of inquiry, including environmental ethics, ethics in business, professions, technology and sport. Also such global issues as poverty, minority rights, and stem cell research. Emphasis on development and application of principles of critical thinking and moral reasoning. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lang, Phil & Culture Core 040|Writing Intensive
Grade Mode: Standard Letter
TCCN: PHIL 2306

PHIL 2311. History of Philosophy Before 1600.
Early Greek, Roman, and medieval systems of thought. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
TCCN: PHIL 2316

PHIL 2312. History of Philosophy Since 1600.
Modern philosophical thought through the 19th century. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter
TCCN: PHIL 2317

PHIL 2330. Elementary Logic.
A study of the nature and forms of correct reasoning, both deductive and inductive.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHIL 2303

PHIL 3301. Philosophical Issues.
The great philosophical concepts that have challenged the best thoughts of people and have contributed to the fulfillment of the good life. Emphasis upon the applicability of those concepts to human life in our time and to the development of intellectual perspective. Approximately one half of this course will focus on the student's critical thinking skills. Credit cannot be given for both PHIL 3301 and PHIL 1305. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3314. American Philosophy.
Examination of contributions of Americans to perennial philosophical issues. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3315. Contemporary Philosophy.
Selected readings in late 19th and 20th century philosophy: existentialism, positivism, analytic philosophy, phenomenology, and pragmatism. Prerequisite: 3 hours of lower division PHIL, PHIL 3301, or consent of instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3316. Existentialism and Phenomenology.
A study of the nature of human experience and existence in the philosophies of Kierkegaard, Nietzsche, Husserl, Heidegger, Sartre, Merleau-Ponty, and Camus. Topics will include freedom, dread, emotion, death, other minds, faith, and the past as experienced by the individual. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3317. Science and Religion.
An examination of modern science and Western religion, and an analysis of the issues and ideas involved in the relationships between them. Prerequisites: 3 hours of lower division PHIL, PHIL 3301, or consent of the instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3318. Reason, God and Nature.
An analysis of the concept of God, terms predicated on God, and theological propositions. An attempt to determine the nature of religious utterances in comparison with those of everyday life, scientific discovery, morality, and imaginative expression. Prerequisite: 3 hours of lower division PHIL, PHIL 3301, or consent of instructor. (Capstone) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3320. Ethics.
A study of classical and contemporary philosophical inquiries into our knowledge of the "good" and the grounds of moral obligation. May be repeated once for additional credit. (Capstone) Prerequisite: Three hours of lower division PHIL, PHIL 3301, or consent of the instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PHIL 3321. Contemporary Moral Problems.
Contemporary Moral Problems. (3-0) Exploration of philosophical dimensions of contemporary moral problems such as abortion, euthanasia, poverty, animal rights, nuclear war, and privacy in a computer age. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. May be repeated once for additional credit. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PHIL 3322. Professional Ethics.
Study of major topics in business and professional ethics, including what a profession is, whether it differs from business, and what is involved with the moral education, social responsibilities, and ethical standards of professionals and business people. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (Capstone) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3323. Environmental Ethics.
Study of ethical issues associated with the environment including nature, use, preservation, and restoration of the environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 3324. Meaning of Life.
Investigation of major theories of the meaning of life in Western and Eastern philosophies. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3325. Philosophy of Sex and Love.
Critical survey of major thinking on sex and love from ancient to modern times. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3326. Philosophy and Sport.
Examines philosophical issues in sport, including the social significance of sport, ethical issues, gender equity, sport and race, mind and body in sport, aesthetics, sport and self-knowledge, and the connection of sport and philosophy. Prerequisite: 3 hours of lower division PHIL, PHIL 3301, or consent of instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3331. Philosophy of Law.
The major theses which have been set forth in the history of jurisprudence including foundations of law, natural law, legal positivism, and the judicial process. (Capstone) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3332. Social and Political Philosophy.
Critical examination of major theories concerning the organization of societies and governments. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (Capstone) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 3333. Feminist Theory.
This course will examine major feminist theories including liberal feminism, Marxist feminism, radical feminism, and post-modernist feminism with an eye especially to revealing the complexity and diversity of contemporary feminist thought. Prerequisite: Three hours of lower division philosophy, PHIL 3301, WS 3376 or WS 3377, or permission of the instructor. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

PHIL 3340. Philosophical Logic.
Study of the logic of propositions through prepositional calculi, formal proofs, and first-order functional calculi. Also included is an investigation into the philosophical assumptions and implications of formal systems and the axiomatic method as used in logic and mathematics, including the concepts of completeness and consistency. Prerequisite: PHIL 2330 or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 3351. Philosophy and Literature.
The course explores the relation between philosophy and literature. Prerequisite: Three hours lower division PHIL, PHIL 3301, or consent of instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4301. Applied Philosophy.
Practical application of methods and teaching of philosophy to religion, science, morality, politics, art, or literature. The study of one or more of these areas will demonstrate how philosophy contributes to the identification of issues as well as their resolution. May be repeated for credit. Prerequisite: 3 hours of lower division PHIL, PHIL 3301, or consent of instructor. (Capstone) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PHIL 4302. Dialogue.
Study of literature about the nature, purpose, and significance of dialogue along with active participation in the dialogues of the Department of Philosophy's Dialogue Series. (WI) Prerequisite: PHIL 1305 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PHIL 4303. Philosophy of Technology.
Study of philosophical and ethical dimensions of technology including the nature of technology and technological progress, the relation of humans to the technological environment, whether technology is value-laden, and the social character of technology. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4304. Philosophy of Language.
Students will examine the nature, structure, and uses of language and its role in conceptualizing and attempting to solve perennial philosophical problems. Features of language such as meaning, reference, truth, verification, and speech acts will be investigated and applied to issues of metaphysics and ontology, epistemology, ethics, and theory construction. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4327. Bioethics.
In this course students will study ethical issues, dilemmas, codes of conduct, and social responsibilities of health care professionals and bioresearchers. Additionally, students will critically examine issues of ethics and justice in healthcare systems, clinical practice, and biotechnology. (WI) Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4350. Philosophy of the Arts.
A critical and historical analysis of the nature of aesthetic experience and creative genius. Prerequisite: three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (Capstone) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4351. Philosophy of Education.
Study of major philosophical theories on nature, values, and purpose of education. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4355. Philosophical Theory of Science.
Study of the major theories concerning the nature and value of science and the scientific method. Repeatable for credit with different emphasis. Prerequisite: 3 hours of lower division philosophy, PHIL 3301, or consent of instructor. (Capstone) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PHIL 4356. Philosophical Theory of Knowledge.
A study of the major theories concerning knowledge, belief, certainty, and perception. Repeatable for credit with different emphasis. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PHIL 4360A. Ethics and Dementia.
This course provides an opportunity to examine ethical challenges posed by dementia for those with dementia, family members, caregivers, healthcare systems, policy makers, and others. Participants will critically explore ethics and dementia in clinical, social/cultural, everyday life, policy, end-of-life, and individual perspectives. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4360B. Moral Psychology.
This course provides an introduction to the major theories, issues, and research relevant to the field of moral psychology. Drawing from a variety of fields—philosophy, social psychology, cognitive psychology, developmental psychology, and evolutionary theory—we will investigate what morality is, how it develops, and how it functions in society. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4360C. Philosophy, Nonviolence, Sustainability, and Social Change.
In this course students will study themes and concepts related to nonviolence, sustainability, and social change. Participants will critically examine the works of thinkers such as Thoreau, Addams, Tolstoy, Gandhi, King, and Chavez.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4361A. Philosophy of Biology.
In this course students will explore foundational questions in biology concerning the justification of biological theories, methods and concepts. Possible topics include concepts of fitness, units of selection, adaptationism, species, phylogenetic inference, homology, developmental systems, neuroscience, behavioral evolution, cooperation, altruism, evolutionary psychology, evolutionary ethics, cultural evolution, and race and gender. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4361B. Philosophy of the Human Sciences.
This course is a survey of current debates about the structure, nature, role, methodologies, scope, and aim of the human sciences. Prerequisite: Phil 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4361C. Philosophy of Emotion.
In this course students examine the understandings of emotions as developed in the history of philosophy, including topics such as somatic theories, cognitive theories, and philosophical accounts of feelings, mood, and other affective experiences. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4362A. History of Analytic Philosophy.
Students in this course will examine major thinkers, works, theories, and problems of analytic philosophy. Topics will include the philosophy of language, logic, philosophy of mathematics, philosophy of mind, philosophy of science, metaphysics, epistemology, ethics, metaethics, and philosophical methodology. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4362B. 19th-Century Philosophy.
This course offers a detailed introduction to central figures of 19th-century European philosophy such as Hegel, Marx, Kierkegaard, and Nietzsche in the context of their responses to the Enlightenment, the condition of modernity, the growth of democracy, nationalism, capitalism, Darwin, secularization, and the critical project of Kant. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4363A. Philosophy and Science Fiction.
In this course students will examine intersections between philosophy and science fiction around topics such as the nature of reality, the existence and nature of the divine, the limits of human knowledge, the meaning of free will, the notions of personhood, the nature of morality, and the meaning of life. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PHIL 4370. Metaphysics.
Systematic study of metaphysical problems by examination of classical and modern texts. Topics considered will involve being and unity, mind and matter, God, causation and necessity, free will and determinism. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4371. Asian Philosophy.
The course covers mainly Chinese and Indian philosophy, such as Confucianism, Taoism, Buddhism. How do people in the orient look at the meanings of life, the nature of the world and their place in the world? This course shall shed light on these issues. May be repeated for credit. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

PHIL 4372. Latin American Philosophy.
Study of ancient Latin American thought, including Mayan, Aztec, Toltec, and Incan, pre- and post conquest Latin American philosophy, contemporary Latin American philosophy, and the thinking of Latin Americans in the U.S. (WI) Prerequisite: PHIL 1305 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4373. Themes in Africana Philosophy.
In this course students will examine philosophy and philosophical practice as it emerges from the historical experiences of African Americans and the African Diaspora. Participants in the course will evaluate how the African-American philosophical tradition alters conventional philosophical accounts of subjectivity, knowledge, time, language, history, embodiment, memory, and justice. Prerequisite: PHIL 1305 or PHIL 1320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHIL 4388. Problems in Philosophy.
Independent study of specific problems in philosophy. Open to students on an individual or small group basis by arrangement with the Department of Philosophy. Problem area, bibliography, and study paper outline are to be approved by the instructor. Prerequisite: Three hours of lower division philosophy, PHIL 3301, or consent of the instructor. May be repeated once for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5100. Practicum in Teaching Philosophy.
This course orients Instructional Assistants to the principles of teaching philosophy responsibly. Topics include grades, evaluation of written work, classroom management, academic values, and teaching style. This course is required for all new Instructional Assistants in Philosophy. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHIL 5101. Responsible Conduct of Research and Research Ethics.
In this course students will examine issues, concepts, and cases in research ethics and the responsible conduct of research. Designed to meet NSF and NIH requirements for training, topics will include research integrity, conflicts of interest, authorship, peer review, human and animal experimentation, mentorship, data, and values in science. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHIL 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5301. Applied Philosophy.
Practical application of methods and teaching of philosophy to such major areas of human experience as religion, science, morality, politics, art, or literature. The study of one or more of these areas will demonstrate how philosophy contributes to the identification of issues as well as their resolution.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5302. Dialogue.
Study of literature about the nature, purpose, and significance of dialogue along with active participation in the dialogues of the Department of Philosophy's Dialogue Series.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5303. Philosophy of Technology.
Study of philosophical and ethical dimensions of technology including the nature of technology and technological progress, the relation of humans to the technological environment, whether technology is value-laden, and the social character of technology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5304. Philosophy of Language.
This course will examine the nature, structure, and uses of language and its role in conceptualizing and attempting to solve perennial philosophical problems. Features of language such as meaning, reference, truth, verification, and speech acts will be investigated and applied to issues of metaphysics and ontology, epistemology, and theory construction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5305. Philosophical Writing.
The course focuses on theoretical and methodological foundation necessary for producing philosophical works suitable for submission to conferences or journals. Students will analyze the standards for and engage in the process of developing papers for professional presentation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5306. Foundation Studies.
Foundation Studies in Philosophy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5314. American Philosophy.
This course is an examination of contributions of Americans to perennial philosophical issues, including the tradition of American Pragmatism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5320. History of Ethics.
This course is a survey of major ethical theories in the Western philosophical tradition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5322. Professional Ethics.
Study of major topics in business and professional ethics, including what a profession is, whether it differs from business, and what is involved with moral education, social responsibilities, and ethical standards of professional and business people.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5323. Environmental Ethics.
Study of ethical issues associated with the environment including the nature, use, preservation, and restoration of the environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5324. Meaning of Life.
Investigation of major theories of the meaning of life in Western and Eastern philosophies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5325. Philosophy of Sex and Love.
Critical examination of major philosophical theories on sex and love from ancient to modern times.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5326. Philosophy and Sport.
An examination of the philosophical issues that arise in sport. Topics include the social significance of sport, amateurism, the ethics of competition, the meaning of violence within sports, and other related issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5327. Medical Ethics and Bio-ethics.
Study of ethical issues, dilemmas, codes of conduct, and social responsibilities of health care professionals and bio-researchers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5328. Major Work or Theme in Ethics.
This course examines in detail a single significant work, theme or issue in ethics. May be repeated with a different focus.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5329. Food Ethics.
Eating raises hard moral questions. This course explores those question as well as potential answers. Standard topics include the nature of the food system, global hunger, food justice, consumer ethics, industrial agriculture and its alternatives, the plight of workers, overconsumption, and public health.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5340. Philosophical Logic.
The course is an examination of the conceptual frameworks of and philosophical challenges to classical and alternative logics. Special attention will be paid to the use of the logics within metaphysics, the axiomatic method as used in logic and mathematics, philosophy of language, philosophy of mind, and meta-ethics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5351. Philosophy of Education.
Study of major philosophical theories on nature, value, and purpose of education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5355. Philosophical Theory of Science.
An examination of some of the fundamental concepts in science, including relevant evidence, induction, explanation, and commitments when accepting a scientific theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5356. Philosophical Theory of Knowledge.
The course will consist of a close examination of topics in the philosophical theory of knowledge, such as skepticism, defining knowledge, the nature of justification, perception, and truth.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5360A. Ethics and Dementia.
This course provides an opportunity to examine ethical challenges posed by dementia for those with dementia, family members, caregivers, healthcare systems, policy makers, and others. Participants will critically explore ethics and dementia in clinical, social/cultural, everyday life, policy, end-of-life, and individual perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5360B. Moral Psychology.
This seminar provides an introduction to the major theories, issues, and research relevant to the field of moral psychology. Drawing from a variety of fields—philosophy, social psychology, cognitive psychology, developmental psychology, and evolutionary theory—we will investigate what morality is, how it develops, and how it functions in society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5360C. Philosophy, Nonviolence, Sustainability, and Social Change.
In this course students will study themes and concepts related to nonviolence, sustainability, and social change. Participants will critically examine the works of thinkers such as Thoreau, Addams, Tolstoy, Gandhi, King, and Chavez.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5361A. Philosophy of Biology.
In this course students will explore foundational questions in biology concerning the justification of biological theories, methods and concepts. Possible topics include concepts of fitness, units of selection, adaptationism, species, phylogenetic inference, homology, developmental systems, neuroscience, behavioral evolution, cooperation, altruism, evolutionary psychology, evolutionary ethics, cultural evolution, and race and gender.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5361B. Philosophy of the Human Sciences.
This course is a survey of current debates about the structure, nature, role, methodologies, scope, and aim of the human sciences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5361C. Philosophy of Emotion.
In this course students examine the understandings of emotions as developed in the history of philosophy, including topics such as somatic theories, cognitive theories, and philosophical accounts of feelings, mood, and other affective experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5362A. Analytic Philosophy.
Students in this course will examine major thinkers, works, theories, and problems of analytic philosophy. Topics will include the philosophy of language, logic, philosophy of mathematics, philosophy of mind, philosophy of science, metaphysics, epistemology, ethics, metaethics, and philosophical methodology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5362B. 19th Century Philosophy.
This course offers a detailed introduction to central figures of 19th-century European philosophy such as Hegel, Marx, Kierkegaard, and Nietzsche in the context of their responses to the Enlightenment, the condition of modernity, the growth of democracy, nationalism, capitalism, Darwin, secularization, and the critical project of Kant.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5363A. Philosophy and Science Fiction.
In this seminar students will examine intersections between philosophy and science fiction around topics such as the nature of reality, the existence and nature of the divine, the limits of human knowledge, the meaning of free will, the notions of personhood, the nature of morality, and the meaning of life.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHIL 5373. Themes in Africana Philosophy.
In this course students will examine philosophy and philosophical practice as it emerges from the historical experiences of African Americans and the African Diaspora. Participants in the course will evaluate how the African-American philosophical tradition alters conventional philosophical accounts of subjectivity, knowledge, time, language, history, embodiment, memory, and justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 5388. Problems in Philosophy.
Independent study open to students on individual or small group basis. May be repeated for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHIL 5395. Internship in Applied Philosophy.
Structured practical experience in applied philosophy at a private or public setting. Supervision will be provided both by a member of the graduate faculty and by a key individual in the workplace. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis on PHIL 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHIL 7101. Responsible Conduct of Research and Research Ethics.
In this course students will examine issues, concepts, and cases in research ethics and the responsible conduct of research. Designed to meet NSF and NIH requirements for training, topics will include research integrity, conflicts of interest, authorship, peer review, human and animal experimentation, mentorship, data, and values in science. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHIL 7323. Environmental Ethics and Sustainable Aquatic Resources.
Examination of the ethical implications of environmental use and management policies and practices, with emphasis on sustainable aquatic resources.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHIL 7355. Philosophy of Science.
Students in this course will investigate the nature and processes of scientific inquiry; the role of values in generating and using scientific knowledge; some of the fundamental concepts in science, including relevant evidence, induction, explanation; and the intellectual commitments made when accepting a scientific theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Physical Fitness and Wellness (PFW)

PFW 1101. Lifetime Fitness & Wellness.
To develop knowledge, skills, and physical activity behaviors associated with personal fitness and wellness.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110A. Aerobic Conditioning.
This course covers a variety of aerobic conditioning formats.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110B. Group Fitness.
This course will include various types of aerobic/cardio exercise formats.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110C. Gymnastics.
Gymnastics.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110D. Balance & Tumbling.
Balance & Tumbling.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110E. Beginning Jogging & Conditioning.
Beginning Jogging/Conditioning.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110F. Fitness Conditioning.
This course covers basic fitness conditioning principles and activities.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110G. Beginning Weight Lifting.
Beginning Weight Lifting.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1110K. Restricted Fitness Activities.
Restricted Fitness Activities.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1114A. Principles and Practice of Cross-Training.
This course is designed for students prepared to undertake advanced physical training to achieve advanced fitness goals. Students perform cross-training, survey the exercise science foundations of cross-training, test and design a personalized evidence-based programs.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PFW 1114B. Military Physical Fitness Training.
This course is designed to expose students to a military-style physical fitness program of running, calisthenics and cross training. It is designed to test and improve students' physical fitness levels and prepare them to take and pass the official Air Force Physical Fitness Assessment.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PFW 1114C. Ranger Challenge Military Fitness Training.
This course is designed to expose students to vigorous and challenging military style conditioning for special events of elite military units like the Army Rangers. The course will prepare students to compete for the opportunity to represent Texas State Army ROTC program during the annual national Ranger Challenge competition.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PFW 1114D. YMCA Lifeguard Training.
This course provides the knowledge and skill necessary to be lifeguard. Successful students will be certified in ASHI for lifesaving, CPR Pro, and basic first aid. Students must pass a physical skills test prior to the class and must be at least 16 years of age.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Credit/No Credit

PFW 1125A. Wrestling.
Wrestling.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1130A. Beginning Basketball.
Beginning Basketball.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1130B. Soccer.
Soccer.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1135B. Aquatic-Conditioning.
Aquatic-Conditioning.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140A. Football Varsity.
Football Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140B. Basketball–Men's Varsity.
Basketball–Men's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140C. Basketball–Women's Varsity.
Basketball–Women's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140D. Track & Field–Men's Varsity.
Track & Field–Men's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140E. Track & Field–Women's Varsity.
Track & Field–Women's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140F. Volleyball – Women's Varsity.
Volleyball – Women's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140G. Baseball–Men's Varsity.
Baseball–Men's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140H. Softball–Women's Varsity.
Softball–Women's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1140I. Soccer-Women's Varsity.
Soccer-Women's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1149. Strutters.
Strutters.
1 Credit Hour. 1 Lecture Contact Hour. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1150B. Beginning Bowling.
Beginning Bowling.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1150C. Intermediate Bowling.
Intermediate Bowling.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1150D. Beginning Golf.
Beginning Golf.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1150F. Self Defense.
Self Defense.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1150G. Restricted Leisure Activities.
Restricted Leisure Activities.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1154. Leisure/Recreation Activities.
Leisure/Recreation Activities.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Header
Grade Mode: Standard Letter

PFW 1154B. Challenge Course Facilitation.
This course provides an overview of leadership theories and skill development for indoor/outdoor challenge course activities, with an emphasis on safety management. Students will develop skills necessary to facilitate either high or low elements of a challenge course. May be repeated once with different emphasis for credit.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1154C. Backpacking.
Backpacking.
1 Credit Hour. 0 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155A. Indoor Racket Sports.
This course provides an introduction to badminton, racquetball, and pickleball.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155B. Beginning Fencing.
Beginning Fencing.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155D. Advancd Fencing.
Advancd Fencing.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155G. Racquetball.
Racquetball.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155H. Beginning Tennis.
Beginning Tennis.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155I. Intermediate Tennis.
Intermediate Tennis.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155J. Judo.
Judo.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155K. Beginning Karate.
Beginning Karate.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155M. Advanced Karate.
Advanced Karate.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1155N. Pocket Billiards.
Pocket Billiards.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1160B. Beginning Volleyball.
Beginning Volleyball.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1160C. Intermediate Volleyball.
Intermediate Volleyball.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1165A. Golf–Men's Varsity.
Golf–Men's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1165C. Tennis–Women's Varsity.
Tennis–Women's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1165D. Golf – Women's Varsity.
Golf – Women's Varsity.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1165E. Varsity Cheerleaders.
Varsity Cheerleaders.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1180J. Beginning Recreational Dance.
Beginning Recreational Dance.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DANC 1122

PFW 1190A. Canoeing.
Canoeing.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1190B. Beginning Swimming.
Beginning Swimming.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1190C. Intermediate Swimming.
Intermediate Swimming.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1190F. Beginning Scuba.
Beginning Scuba.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: PHED 1164

PFW 1201. Advanced Scuba Diving.
Advanced Scuba Diving.
2 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1204. Underwater Photography.
Underwater Photography.
2 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PFW 1301. Social and Behavioral Dimensions of Physical Fitness and Wellness.
Students will explore the role of physical activity in a healthy and productive society. The course focuses on social and cultural influences on motivation, values and beliefs related to physical activity, as well as the impact of physical activity on individual, community, and population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080
Grade Mode: Standard Letter

Physical Therapy (PT)

PT 3400. Human Structure and Function.
A study of the structure and function of the human body with emphasis on the skeletal, muscular, and nervous systems. Course focuses on anatomy and physiology of body systems of special interest to students preparing to be health professionals. Laboratory study of the human cadaver is included.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 5115. Problems in Physical Therapy.
An in-depth independent study of a singular problem or related problem in the rapidly changing field of physical therapy. Special emphasis will be placed on the problems' current relevance and the value to the participant. May be repeated for credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 5400. Human Structure and Function.
A study of the structure and function of the human body with emphasis on the skeletal, muscular and nervous systems. Course focuses on anatomy and physiology of the body systems of special interest to students preparing to be health professionals. Laboratory study of the human cadaver is included. This course does not earn graduate degree credit for students pursuing a degree in Physical Therapy.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7114. Professional Issues.
This course serves as an introduction to the historical, current, and future issues faced by the physical therapy profession and to the need for lifelong professional development.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7115. Evidence-Based Practice.
This course introduces the concept of evidence-based practice in physical therapy including the formulation of answerable clinical questions, methods of obtaining peer-reviewed evidence to those clinical questions, and how to critically appraise evidence once located.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7116. Health Promotion and Wellness in Physical Therapy I.
This course will include an in-depth investigation of the concepts of health promotion and wellness and, based on evidence, their relationship to each other and to health and wellness outcomes. The role of, theories of, and interventions for behavior change will be explored as tools to promote health and well-being.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7125. Clinical Decision Making I.
This course provides a venue in which students can explore multiple aspects of patient evaluation, intervention, and outcomes in a problem-based learning environment. Students will identify complicating issues in patient care including physical, psychosocial, financial, and environmental factors as well as develop possible solutions to identified problems.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7130. Clinical Education Orientation.
This course provides an orientation to the requirements of the clinical education course sequence including patient education as well as the legal, ethical and professional requirements of physical therapy practice.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7135. Clinical Decision Making II.
This course provides a venue in which students can explore multiple aspects of patient evaluation, intervention, and outcomes in a problem-based learning environment. Students will identify complicating issues through case scenarios incorporating factors from all courses taken through the first year spring semester.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7150. Directed Clinical Experience.
A structured clinical experience in which the student will have the opportunity to demonstrate the ability to apply the theory and clinical skills acquired during didactic course work into the clinical environment. This course will be completed in the Texas State Physical Therapy Clinic. This course is repeatable for credit.
1 Credit Hour. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7155. Clinical Decision Making III.
This course provides a venue in which students can explore multiple aspects of patient evaluation, intervention, and outcomes in a problem based learning environment. Students will identify complicating issues through case scenarios incorporating factors from all courses taken through the second year fall semester.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7157. Reseach III in Physical Therapy.
This course is a continuation of the DPT research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. Prerequisite: PT 7327 and PT 7347 and instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Grade Mode: Standard Letter

PT 7165. Clinical Decision Making IV.
This course provides a venue in which students can explore multiple aspects of patient evaluation, intervention, and outcomes in a problem based learning environment. Students will identify complicating issues through case scenarios incorporating factors from all courses taken thus far in the program.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7167. Research III in Physical Therapy.
This course is a continuation of the DPT research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. This course involves a literature review and identification of a practice-based research question. Completion of the full research sequence is required for graduation.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7176. Health Promotion and Wellness in Physical Therapy II.
The role of the physical therapist in health promotion, wellness, and prevention at the community and population levels will be explored. Using the framework of a social ecological model, strategies for community assessment and prevention of disease and disability related to movement will be performed through service learning activities.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7177. Research IV in Physical Therapy.
This course is a continuation of the DPT research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. The course involves development of data collection tools and strategies in a practice-based research environment. Completion of the full research sequence is required for graduation.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7187. Research V in Physical Therapy.
This course is a continuation of the DPT research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. The course includes patient outcomes data collection in a practice-based research environment. Completion of the full research sequence is required for graduation.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7190. Independent Study in Physical Therapy.
An in-depth independent study of a singular problem or related problem in the dynamic field of physical therapy and health care. Emphasis will be on the relevance of the problem and the value to the participant. May be repeated twice for credit.
1 Credit Hour. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Credit/No Credit

PT 7197. Research VI in Physical Therapy.
This course is a continuation of the DPT research sequence that culminates in a supervised project to analyze outcomes in a defined area of clinical practice. The course includes completion of data collection and analysis for an oral presentation and final paper. Completion of this last course is required for graduation.
1 Credit Hour. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7211. Anatomy I: Structural Anatomy.
This course is an introduction to the structure and function of the human body with emphasis on the skeletal, muscular, nervous, and integumentary systems. Content includes basic neurological screening and an introduction to palpation of the human body, embryology, and vasculature.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7231. Anatomy II – Spine.
Study of static and dynamic aspects of the vertebral column and skull including bony landmarks, muscular, ligamentous attachments, and blood and nerve supply will be studied through lecture, lab, dissection of human cadavers, and independent study.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7241. Anatomy III - Lower Extremity.
Study of static and dynamic aspects of the lower extremity including bony landmarks, muscular, ligamentous attachments, and blood and nerve supply will be studied through lecture, lab, dissection of human cadavers, and independent study.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7251. Anatomy IV - Upper Extremity.
Study of static and dynamic aspects of the upper extremity including bony landmarks, muscular, ligamentous attachments and blood and nerve supply studied through lecture, lab, dissection of human cadavers, and independent study.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7263. Body Systems III – Diagnostics.
Pharmacology, medical imaging, electroneuromyography, and other selected diagnostic tests as related to physical therapist practice. Content emphasizes expected and adverse effects of selected medications, documentation of results of medical imaging procedures, and the use of muscle and nerve integrity testing via nerve conduction velocity techniques.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7268. Advanced Therapeutic Interventions.
This course provides expansion of clinical reasoning and intervention skills for neuromusculoskeletal impairments. Advanced clinical cases, including pediatric, adult neurological and orthopaedic impairments, afford students the opportunity to hone manual and handling skills, utilize advanced forms of exercise and incorporate pain science in comprehensive patient treatment. Prerequisite: PT 7428 with a grade of "C" or better.
2 Credit Hours. 1 Lecture Contact Hour. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7274. Current Issues in Physical Therapy.
Current issues that are not required by accreditation and/or that are not included in other courses are presented in this course to ensure students are prepared for success in full-time clinical education experiences. Topics included are residency and fellowship education, current professional issues, and advanced examination and intervention techniques.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7294. Special Issues in Physical Therapy.
Provides opportunities for learning through lecture covering multiple physical therapy practice settings and areas of specialization. Also designed to provide information relevant to the licensure process, preparation for the licensure exam, and test-taking strategies to enhance performance. This course is repeatable for credit. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PT 7311. Anatomy I: Structural Anatomy.
Introduction to the structure and function of the human body with emphasis on the skeletal, muscular, and nervous system. Content includes laboratory study of the human cadaver.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7312. Patient Care Skills I.
This course introduces students to basic patient care skills and documentation. Topics emphasized include body mechanics, patient positioning, mobility, transfers, patient communication/instruction skills, and documentation format. Students will also receive an introduction to therapeutic exercise, health promotion and wellness, and infection control as well as patient rights and reimbursement issues.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7313. Body Systems I – Pathology.
Normal and abnormal organ system function as related to physical therapist practice with emphasis on the musculoskeletal, neuromuscular, cardiovascular/pulmonary, and integumentary systems. Content includes tissue inflammation and repair, infection, degenerative processes, and changes related to processes of aging.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7326. Neuroscience I:Functional Neuroanatomy.
Structure and function of the central, peripheral, and autonomic nervous systems in the context of lifespan human development.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7327. Research in Physical Therapy I.
Three-course sequence introducing the physical therapy student to research and statistical methodologies. This initial course emphasizes the application of basic principles of the scientific method for: 1) critically reviewing physical therapy literature; 2) developing research proposals; and 3) identifying the tools necessary for analysis and assessment of clinical practice patterns.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7328. Examination Techniques.
This course introduces foundational physical therapist examination techniques. Students will perform basic orthopedic, neurologic, cardiopulmonary, and integumentary exam techniques, identify and correct substitutions, and interpret results. An emphasis will be placed on anatomical structures, body mechanics, handling skills, communication, positioning, and screening.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7333. Body Systems II – Cardiovascular/pulmonary System.
Fitness, health, wellness, and normal and abnormal function of the cardiovascular/pulmonary and metabolic systems as related to physical therapist practice. Content emphasizes basic principles of care in respiratory therapy, chest physical therapy, electrocardiography, exercise testing, exercise prescription, and cardiac rehabilitation.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7336. Neuroscience II-Pediatrics.
Study of typical growth and motor development and diseases, disorders, and dysfunction affecting postural control from birth to young adulthood. Content emphasizes motor control, motor learning, and recovery of function in the context of relevant models of practice, models of disablement, hypothesis-oriented clinical practice, and theories of motor control.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7346. Neuroscience III.
This course studies the neurologic diseases, disorders, and dysfunction affecting postural control in the adult. Content emphasizes motor control, motor learning, and recovery of function in the context of relevant models of practice, models of disablement, hypothesis-oriented clinical practice, and theories of motor control.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7347. Research in Physical Therapy II.
Three-course sequence introducing the physical therapy student to research and statistical methodologies. This second course emphasizes the proposal writing aspect of research, building on knowledge of research methods and statistics gained in PT 7327. Includes introduction to statistical software packages used for data-analysis and generating bibliographic material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7356. Neuroscience IV.
This course studies the neurologic diseases, disorders, and dysfunction affecting postural control in the adult. Content emphasizes motor control, motor learning, and recovery of function in the context of relevant models of practice, models of disablement, hypothesis-oriented clinical practice, and theories of motor control.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7363. Body Systems III – Cardiovascular/Pulmonary System.
Fitness, health, wellness, and normal and abnormal function of the cardiovascular/pulmonary and metabolic systems as related to physical therapist practice. Content emphasizes basic principles of care in respiratory therapy, chest physical therapy, electrocardiography, exercise testing, exercise prescription and cardiac rehabilitation. This course is repeatable for credit.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7364. Management Issues.
This course is the study of basic management theories, principles, and practices as they relate to the delivery of physical therapist practice, reimbursement resources and issues, and internal and external forces that impact physical therapist practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7370. Clinical Education I.
A full-time clinical education experience in which the student will apply the theory and clinical skills acquired during previous didactic course work in the clinical setting.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

PT 7428. Therapeutic Interventions.
This course provides an introduction to therapeutic interventions and their role in preventing loss of, restoring, and improving movement. Students will learn how to identify the diseased/injured tissue and/or body system, and how to use targeted movement-related interventions (physical agents, soft tissue mobilization, therapeutic exercise) to enhance movement.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7462. Patient Care Skills II.
This course covers physical therapist care of medically complex patients with multi-system involvement. Content focuses on integumentary care/wound management, acute care/ICU, orthotics, and prosthetics. Complicating factors such as age, malnutrition, pain, obesity, diabetes, and other comorbidities are included.
4 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7474. Management Issues.
Study of basic management theories, principles, and practices as they relate to the health care delivery system, reimbursement resources and issues, and internal and external forces that impact health care delivery.
4 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PT 7480. Clinical Education II.
A full-time clinical education experience in which the student will apply the theory and clinical skills acquired during previous didactic course work in the clinical setting.
4 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

PT 7481. Clinical Education III.
A full-time clinical education experience in which the student will apply the theory and clinical skills acquired during previous didactic course work in the clinical setting.
4 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

PT 7539. Musculoskeletal I – Spine.
Study of static and dynamic aspects of the vertebral column and skull studied through lecture, lab, literature review, and independent study. Knowledge and skill will be integrated to identify problems, prognosis, functional goals, and to develop comprehensive intervention programs related to the spine, including preventative health planning.
5 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7549. Musculoskeletal II - Lower Extremity.
Study of static structural and dynamic aspects of the lower extremity. Emphasizes the effects and affects of forces on function. Clinical decision-making involving the integration of knowledge and skill to identify problems, establish goals, and develop comprehensive physical therapy programs related to the region of study.
5 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7559. Musculoskeletal III - Upper Extremity.
Study of static structural and dynamic aspects of the upper extremity. Emphasizes the effects and affects of forces on function. Clinical decision-making involving the integration of knowledge and skill to identify problems, establish goals, and develop comprehensive physical therapy programs related to the region of study.
5 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

PT 7690. Clinical Education IV.
A full-time clinical education experience in which the student will apply the theory and clinical skills acquired during previous didactic course work in the clinical setting.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

Physics (PHYS)

PHYS 1110. Elementary Physics Laboratory.
This course explores and illustrates some of the basic principles covered in PHYS 1310 and PHYS 1320. Corequisite: PHYS 1310 or PHYS 1320 either with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHYS 1105

PHYS 1115. General Physics I Laboratory.
First of two laboratory courses in General Physics for science-related majors. Course introduces students to the basics of measurement. Topics cover mechanics and heat. Corequisite: PHYS 1315 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHYS 1101

PHYS 1125. General Physics II Laboratory.
Second of two laboratory courses in general Physics. Course introduces the students to experimental measurements and demonstration of principles of electricity, magnetism, optics, modern physics, electromagnetic waves.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHYS 1102

PHYS 1140. Introductory Laboratory in Astronomy.
An introduction to the constellations, the uses of telescopes, and other material relating to the study of stars and planets. This course is designed to be taken with PHYS 1340 or PHYS 1350 or those students desiring a laboratory course.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 1111

PHYS 1310. Elementary Physics.
A non-mathematical survey of mechanics, properties of matter, heat and sound. These topics are described in a conceptual way with applications relating to the world around us. The laboratory experience may be obtained in a separate one-hour credit lab (PHYS 1110). PHYS 1310 and PHYS 1320 are designed for the liberal arts student. The order in which they are taken is not important. They are not recommended for pre-engineering students or majors and minors in science. The laboratory experience is recommended with the second course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1305

PHYS 1315. General Physics I.
The first course in a two semester sequence which is a survey of the basic laws and principles of physics and includes the topics of mechanics and heat. Designed for students whose program requires technical physics, but who are not pre-engineering students or majors or minors in physics. Credit for both (PHYS 1315 and PHYS 1115) and PHYS 1430 cannot be given. Prerequisite: MATH 1315 with a grade of “C” or better. Corequisite: PHYS 1115.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Co-requisite(s): PHYS 1115
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1301

PHYS 1320. Elementary Physics.
A non-mathematical survey of electricity, magnetism, light, relativity, and atomic and nuclear physics. These topics are described in a conceptual way with applications relating to the world around us. The laboratory experience may be obtained in a separate one-hour credit lab (PHYS 1110). PHYS 1310 and PHYS 1320 are designed for the liberal arts student. The order in which they are taken is not important. They are not recommended for pre-engineering students or majors and minors in science. The laboratory experience is recommended with the second course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 1307

PHYS 1325. General Physics II.
Second course in a two semester sequence which is a survey of the basic laws and principles of physics and includes the topics of waves, light, electricity and magnetism. Designed for students whose program requires technical physics, but who are not pre-engineering students or majors or minors in physics. Prerequisite: PHYS 1315 and [MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Co-requisite(s): PHYS 1125
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1302

PHYS 1340. Astronomy: Solar System.
A study of the solar system. Topics included are a study of the sun, the planets and their satellites, the comets, and other components of the solar system. Some aspects of telescopes and ancient astronomy will be included also.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: ASTR 1304

PHYS 1350. Astronomy: Stars and Galaxies.
A study of the universe beyond the solar system. Topics included are a study of the stars and star clusters, nebulae, galaxies, and an introduction to some aspects of cosmology.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: ASTR 1303

PHYS 1360. Development of Concepts in Physics I.
This studio-style course introduces physics concepts through active exploration and discussion of physical phenomena. Course content includes developing concepts of electricity, magnetism, and energy, and research on physics learning. Focus is on how physics helps make sense of everyday experience. It's the first in a sequence of two courses.
3 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1305

PHYS 1370. Development of Concepts in Physics II.
This studio-style course introduces physics concepts through active exploration and discussion of physical phenomena. Course content includes concepts of force, motion, waves, light, and matter, and research on physics learning. Focus is on how physics helps make sense of everyday experience. It's the second in a sequence of two courses. Prerequisite: PHYS 1360 with a grade of "D" or better.
3 Credit Hours. 4 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030
Grade Mode: Standard Letter
TCCN: PHYS 1307

PHYS 1430. Mechanics.
This course covers the principles of classical mechanics through problem solving and laboratory investigations. PHYS 1430, PHYS 2425, and PHYS 2435 are designed for students majoring and minoring in physics and/or other disciplines within the college of science and engineering. Credit for both (PHYS 1315 and PHYS 1115) and PHYS 1430 cannot be given. Corequisite: MATH 2471 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 2425

PHYS 2150. Professional Development for Beginning Physicists.
This course introduces to physics majors career options and opportunities for internships, scholarships, and research internal and external to the university. The course also develops essential practical skills for job seekers. Prerequisite: PHYS 2425 and PHYS 2435 both with grades of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 2230. Introduction to Computational Modeling for Physics.
This course is an introduction to computational concepts and tools that physicists use for data analysis, simulation and modeling, and visualization in research and dissemination. Python and its various libraries are emphasized. Prerequisite: PHYS 1430 with a grade of "D" or better. Corequisite: PHYS 2425 or PHYS 2435 either with a grade of "C" or better.
2 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 2425. Electricity and Magnetism.
This course is a calculus-based introduction to electricity and magnetism. Prerequisites: PHYS 1430 and [MATH 2472 or MATH 2473] both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Life & Phys Sciences Core 030|Component Area Core 090|Life & Phys Sciences CAO 093|Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 2426

PHYS 2435. Waves and Heat.
This course is a study of the fields of wave motion, sound, light, and heat at a beginning level for physics majors and minors. Prerequisites: MATH 2471 and PHYS 1430 both with grades of "C" or better. Corequisite: MATH 2472 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter
TCCN: PHYS 2427

PHYS 3210. Physics Cognition and Pedagogy.
This course is an introduction to physics-specific pedagogy and the methods and results of physics education research (PER). Students will investigate relevant literature in PER and cognitive science, engage in discussions about physics teaching and learning, and reflect on their own teaching practice in the role of Physics Learning Assistants. (WI).
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHYS 3301. Musical Acoustics.
A survey of the physics of sound and acoustic measurement. Special emphasis will be placed on sound production, propagation, and perception as applied to music.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3311. Mechanics I.
This course discusses the fundamentals of classical mechanics focusing on the physical description of the behavior of single and multiple particle systems. Topics included are advanced problem solving strategies for systems with position and velocity dependent forces, simple harmonic oscillators, and non-inertial reference frames. Prerequisite: PHYS 2435 with a grade of "C" or better. Corequisite: PHYS 3320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3312. Modern Physics.
This course is an introduction to the foundations of modern physics, including the following topics: relativistic mechanics, foundational experiments in the development of quantum mechanics, light and energy, wave nature of particles, and nuclear physics. Prerequisite: PHYS 2435 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3313. Astrophysics.
This course surveys a variety of issues in astrophysics through problem solving, quantitative measurements, and theoretical reasoning. Topics include celestial mechanics, stellar dynamics and evolution, galaxy evolution, and cosmology. Corequisite: PHYS 3312 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3315. Thermodynamics.
This course is a fundamental study of thermodynamics and statistical mechanics. Prerequisite: MATH 3323 and [PHYS 2435 or (PHYS 1125 and PHYS 1325) or (ENGR 2300 and PHYS 2425)] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3320. Introduction to Mathematical Physics.
This course is an introduction to the mathematical methods of theoretical physics with emphasis on development of mathematical tools used in upper division core physics courses. Students will also develop their ability to communicate mathematical ideas in the context of physics. Prerequisite: MATH 3373 and PHYS 2425 both with grades of "C" or better. Corequisite: MATH 3323 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 3411. Advanced Physics Laboratory.
This course is an introduction to experimental modern physics, with emphasis on the design and assembly of physics apparatus and the development of practical skills for controlling and automating data collection. (WI) Prerequisites: PHYS 2425 with a grade of "C" or better. Corequisites: PHYS 2435 with a grade of "C" or better.
4 Credit Hours. 2 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

PHYS 3416. Applied Electronics.
This Laboratory/lecture course is an introduction to electronic test bench methods for the construction, operation and analysis of important DC/AC circuits utilizing resistors, capacitors, diodes, BJTs, FETs, and OpAmps. The behavior of the circuits will be modeled in SPICE. Elementary semiconductor device physics and microfabrication methods will be discussed. (WI) Prerequisites: PHYS 2425 and PHYS 2435 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHYS 3417. Optics.
This course is a one-semester survey of geometrical and physical optics accompanied by laboratory experience. Topics covered include electromagnetic waves and their propagation, geometrical optics, polarization, interference, diffraction, Fourier optics, and holography. (WI) Prerequisites: PHYS 2425 and PHYS 2435 both with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHYS 3418. Methods in Observational Astrophysics.
This course is an introduction to methods and instrumentation used in observational astrophysics. Topics include image processing, data acquisition and analysis, and detectors for data across the electromagnetic spectrum. Prerequisite: PHYS 2425 and PHYS 2435 both with grades "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHYS 4121. Undergraduate Research.
This course represents a student's research project in physics to be carried out under the supervision of a faculty member. The student must contact a faculty member in advance to arrange the topic and specific course objectives. This course may be repeated for credit. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 4150A. Physics Cognition and Pedagogy Lab.
In this lab course, students will apply principles introduced in PHYS 3210, which include observation of student interactions, reflection on the process of learning and the use of evidence based reasoning, metacognition, and facilitation, of discourse around difficult concepts. Prerequisite: PHYS 1430 with grade of "C" or better or instructor approval. Corequisite: PHYS 3210 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 4150B. Computational Modeling Lab: Mechanics.
This lab provides experience in computational modeling of problems in classical mechanics. Students design and code computer programs to simulate physical dynamics and analyze data. Corequisite: PHYS 3311 with a grade of "D" or better.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 4221. Undergraduate Research.
This course represents a student's research project in physics to be carried out under the supervision of a faculty member. The student must contact a faculty member in advance to arrange the topic and specific course objectives. This course may be repeated for credit. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 4305. Statistical Physics.
Statistical physics is the study of energy flow and energy distributions within systems in equilibrium. Students will explore a range of phenomena including black-body radiation, diffusion, phase transitions, and magnetism. Emphasis will be placed on topics of entropy, probability, free energy, Boltzmann distributions, and the atomic behavior of these systems. Prerequisite: MATH 3323 and PHYS 3312 and PHYS 3320 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4310. Electromagnetic Field Theory I.
An introduction to the electromagnetic field theory of classical physics for static fields. Topics included will be the electrostatic field, polarization and dielectrics, electrostatic energy, magnetic field of steady currents, magneto static energy, and magnetic properties of matter. Prerequisite: MATH 3323 and MATH 3373 and PHYS 3320 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4311. Condensed Matter Physics.
Application of physics principles to solid materials. Topics include crystal structure and the reciprocal lattice, including x-ray diffraction, crystal binding and elastic properties, lattice vibrations, energy bands, semiconductors and metals. Prerequisite: PHYS 3312 and PHYS 3320 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4312. Quantum Mechanics I.
This course introduces students to quantum mechanics. Topics include mathematical foundations, fundamental postulates, time development, and one dimensional problems. Prerequisite: PHYS 3312 PHYS 3320 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4315. Electromagnetic Field Theory II.
An introduction to the electromagnetic field theory of classical physics for time varying fields. Topics included will be electromagnetic induction, time varying electric and magnetic fields, Maxwell's equations, electromagnetic energy, electromagnetic waves and radiation, and a brief introduction to some specialized topics. Prerequisite: PHYS 4310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 4320. Selected Study in Physics.
Topics are chosen in theoretical and experimental areas of current interest in physics with specific topic to be discussed agreed upon prior to registration. May be repeated once with different emphasis and professor for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 4321. Undergraduate Research.
A research project in physics to be carried out under the supervision of a faculty member by upper division physics majors. Student must contact a faculty member in advance to arrange topic and specific course objective. Course may be repeated only as an elective towards the BS or BA in physics. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 4350B. Relativity.
This course includes a review of Special Relativity, an introduction to the mathematics of tensor calculus and differential geometry, and such topics from General Relativity as the Schwarzschild solution and black holes, tests of General Relativity, cosmological models, and applications of relativity in the Global Positioning System (GPS). Prerequisite: PHYS 2425 and PHYS 2435 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 4350D. Biophysics.
This course applies the principles of physics to the study of living organisms. An emphasis will be placed on the topics of structure, fluids, diffusion, entropy, stochastic processes, and probabilities, and on scientific modes of thinking including modeling, estimation, and data analysis. Prerequisite: PHYS 2425 and PHYS 2435 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 4360. Physics Cognition and Pedagogy II.
This course addresses historical, philosophical, and cognitive perspectives on the learning, teaching, and discovery of physics, including results from contemporary research on learning. It is recommended for students pursuing teacher certification. Prerequisite: PHYS 3210 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PHYS 5100. Professional Development.
This course covers topics related to teaching, research, and employment responsibilities. The completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Courrse is repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHYS 5110. Seminar in Physics.
A course designed to acquaint the graduate student with current research areas in physics. May be repeated twice for total of three semester hour's credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5195. Fundamentals of Research.
This course is designed to acquaint the graduate student with materials and methods of physics research. It is open to graduate students on an individual basis by arrangement with the department of Physics. This course may be repeated with prior approval of the department. Prerequisite: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5200. Professional Development.
This course covers topics related to teaching, research, and employment rights and responsibilities. It provides a brief background on teaching and learning theories and consists of organized practice teaching. Completion is required as a condition of employment for graduate instructional and teaching assistants. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PHYS 5295. Fundamentals of Research.
This course is designed to acquaint the graduate student with materials and methods of physics research. It is open to graduate students on an individual basis by arrangement with the department of Physics. This course may be repeated with prior approval of the department. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5301. Classical Mechanics.
This course discusses the fundamentals of classical mechanics focusing on the physical description of the behavior of single and multiple particle systems. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5302. Electricity and Magnetism.
An introduction to the electromagnetic field theory of classical physics for static fields. Topics included will be the electrostatic field, polarization and dielectrics, electrostatic energy, magnetic field of steady currents, magneto static energy, and magnetic properties of matter. This is a graduate leveling course in Electricity and Magnetism (stacked with PHYS 4310). This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5303. Quantum Mechanics.
This course is an introduction to quantum mechanics. Topics include mathematical foundations, fundamental postulates, time development, and one dimensional problems. This is a graduate leveling course in Quantum Mechanics (stacked with PHYS 4312). This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PHYS 5304. Experimental Research Methods.
This is a laboratory based course introducing experimental methods used in physics research with emphasis on quantum effects through materials synthesis and characterization methods. The specific experiments are chosen by department faculty on topics of current research interests. The students are exposed to different research topics through laboratory rotations. Prerequisite: Instructor approval. Corequisite: PHYS 5314 with a grade of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5312. Advanced Quantum Mechanics.
This course is a study of quantum mechanics including combination of two or more quantum mechanical systems, addition of angular momentum, time independent perturbation theory, and time dependent perturbation theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5313. Mathematical Methods of Physics.
This course is a survey of mathematical methods of physics at the graduate level focusing on complex analysis of analytic functions (Laurent expansions and evaluation of residues) and methods of solving both ordinary and partial differential equations (Frobenius' method and Sturm-Liouville theory) with applications to mechanics and electromagnetic theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5314. Statistical Physics.
This course is an introduction to the laws of statistical physics and their application to realistic problems at the graduate level. The topics include a brief review of equilibrium thermodynamics, Gibbs distribution, Fermi-Dirac and Bose-Einstein statistics, derivation of Planck's Law and black-body radiation, and heat capacity of solids.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5320. Solid State Physics.
This is an introductory course at the graduate level intended for students who have not had a previous course in Solid State Physics. Topics covered include crystal structure, the reciprocal lattice, x-ray diffraction, lattice vibrations, electronic band structure, and optical, transport and magnetic properties of metals and semiconductors including applications. Prerequisite: PHYS 5312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5322. Semiconductor Device Microfabrication.
This course provides an in-depth overview of the physics and technology of semiconductor device micro and nano fabrication. Topics include materials used in electronic devices, thin film deposition, wet and dry etching, lithography processing, and topics relevant to semiconductor research and devices. Fabrication and characterization techniques will be covered. Corequisite: PHYS 5312 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

PHYS 5324. Thin Film Synthesis and Characterization Laboratory.
This advanced experimental course is designed as a research group project experience with emphasis on nanoscale device fabrication. All projects are conducted in university facilities with state-of-the-art thin film growth, processing, and characterization facilities. Corequisites: PHYS 5312 and PHYS 5322 both with grades of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5326. Electrical Characterization of Materials and Devices.
A laboratory/lecture course introducing electric characterization methods important to semiconductor materials and devices. Various measurement techniques and methods will be reviewed. Students will learn to work with industrial equipment. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5327. Semiconductor Device Physics.
This course demonstrates how solid state physics applies to describing important examples of thin film device operation with emphasis on semiconductor devices. Additional topics may include photon and phonon effects on electronic properties, quantum phenomena, many body effects in solids, carrier transport properties, micro-electromechanical systems, and materials interface issues. Corequisite: PHYS 5314 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5328. Advance Solid State Physics.
Review of models of a solid and energy band theory. Additional topics may include interaction of electromagnetic waves with solids, lattice vibrations and phonons, many body effects in solids, device physics, quantum phenomena, carrier transport properties, current device configurations, and materials interface problems. Prerequisite: PHYS 5320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5329. Physics of Materials Degradation and Reliability.
This course examines the material science of physical mechanisms governing the fundamental failure modes of materials, and particularly thin films. The application of materials physics characterization techniques for detecting the signatures of failure mechanisms will also be presented. Prerequisites: PHYS 5328 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5331. Electromagnetic Field Theory.
This course is an introduction to electrodynamics at the graduate level using rigorous mathematical formulation. Topics include methods of solving problems in electrostatics and magnetostatics, boundary value problems and Green’s Functions, fields in media, and Maxwell’s Equations and time varying fields.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5340. Advanced Dynamics.
Classical mechanics at an advanced level. Topics covered may include special relativity in classical mechanics, Hamilton equation of motion, canonical transformations, and Hamilton-Jacobi theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PHYS 5350A. Thin Film Photovoltaic Devices.
This course is a survey of the Physics of photovoltaic devices with emphasis on device physics including the photovoltaic effect, photon absorption, electrons and holes, generation and recombination, the pn-junction, charge separation, monocrystalline solar cells, thin film solar cells, and losses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350B. Relativity.
This course includes a review of Special Relativity, an introduction to the mathematics of tensor calculus and differential geometry, and such topics from General Relativity as the Schwarzschild solution and black holes, tests of General Relativity, cosmological models, and applications of relativity in the Global Positioning System (GPS).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350C. Characterization of Materials.
This course covers skills and knowledge required for microscopy methods including optical microscopy, scanning electron microscopy, scanning tunneling electron microscopy, atomic force microscopy, and confocal microscopy. It covers x-ray and neutron diffraction techniques including structure analysis, powder and glancing angle diffraction, pole figure, texture analysis, and small angle scattering.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5350D. Cognitive Foundations of Physics Education Research.
This course is an introduction to research methods and theories in physics education research. Topics include conceptual metaphor and blending, cognitive linguistics, dual-process theory, and historical issues from the intellectual development of physics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PHYS 5370. Problems in Advanced Physics.
Open to graduate students on an individual basis by arrangement with the Department of Physics. May be repeated with prior approval of the department. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5395. Fundamentals of Research.
Course is available to graduate students only at the invitation of the department. May be repeated with prior approval of the department. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 6 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PHYS 5398. Industry Internship.
Supervised work experience in an appropriate high tech industry. Students will be required to keep a daily journal and make a final presentation (both written and oral) describing their accomplishments.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in PHYS 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PHYS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Political Science (PS)

PS 2304. Introduction to Political Science.
This course is an introductory survey of the discipline of political science, focusing on the history, scope, and methods of the field and the substantive topics in the discipline. Prerequisite: POSI 2310 or POSI 2320 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 3300. Basic Political Ideas.
This course examines fundamental ideas of the Western political tradition including conservatism, liberalism, socialism, democracy, and totalitarianism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3301. Basic Political Institutions.
This course examines political institutions emphasizing the fundamentals of political science research/analysis, the tools used in bibliographical research, and methods of locating and presenting data for comparing political institutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3311. American Political Thought: From the Colonial Period to Civil War.
This course examines the development of American political ideas from the colonial period through the Civil War. Corequisite: PS 3300 or PS 3301 or POSI 3300 or POSI 3301 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3312. American Political Thought: From Reconstruction to Present.
This course examines the development of American political ideas from Reconstruction to the present. Corequisite: PS 3300 or PS 3301 or POSI 3300 or POSI 3301 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3313. Contemporary Political Theory.
This course examines selected theories, ideologies, and movements in 20th and 21st century political theory. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3314. Politics and Personality.
This course is an undergraduate seminar exploring the relationship between political behavior and human motivation. Topics include: psychological perspectives and political theory, personality and political orientation, and the political personality. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3315. Quantitative Research in Political Science.
This course introduces statistical theories and quantitative analyses, and examines methodological concepts, definitions and procedures, various hypotheses testing and integrated research applications in the discipline of Political Science. Prerequisite: MATH 1312 or MATH 1315 or MATH 1316 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471 or HON 2302A or HON 2302B any with a grade of "C" or better. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3321. Campaigns and Elections.
This course examines the dynamics of American political campaigns and elections at the federal and state level. The analysis and discussion will include theoretical evaluations of voting, campaigns, and elections as well as technical and practical information about campaign strategies. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3322. Political Parties and Party Politics.
This course examines the American political party system, including its history and organization, suffrage, nominations, elections, campaigns, and the related areas of public opinion and pressure group activities. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3323. Congress and the Legislative Process.
This course examines the dynamics of lawmaking and legislative politics in the United States. This course analyzes, compares, and evaluates the structure, party organization, rules of procedure, and actual operation of the Congress and of selected state legislatures (including Texas). Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3324. The American Presidency.
This course examines, in depth, both the presidency of the United States and the individuals who have held it. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3325. State and Local Government.
This course examines the organization, functions, and powers of state, county, and municipal governments in the United States with particular reference to patterns of such governments in Texas. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3326. Issues and Interest Groups: Power and Pressure in America.
This course examines selected issues at the state and national level and the interest groups which attempt to influence governmental decisions about them. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3327. The American Founding.
This course examines the origins, nature, and foundations of the American Constitutional system with special emphasis on the Federalist and Anti-Federalist debates and the writing of the Constitution. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3328. Politics in Film.
This course examines films which explicitly address political issues such as racism in the United States, the conflict between public duty and private conscience, politics and media manipulation, and the role of perception in all the actions people take. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3331. The Supreme Court and the Judicial Process.
This course examines the judiciary, focusing upon the politics of judicial selection and the decision-making process of the judiciary as well as the position of the judiciary in the entire political process. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3332. Constitutional Law: Basic Structures and Principles.
This course examines and analyzes, through a constitutional case study approach, the fundamental principles of governmental structure with an emphasis on the office and powers of the President, Congress, and inter-governmental relationships in the main body (Articles I through VII) of the U.S. Constitution. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3333. Constitutional Law: Individual Liberties.
This course examines the area of constitutional interpretation commonly known as civil liberties or the relations between the individual and the government. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3334. Civil Law in American Society.
This course examines the structure and functions of government, especially the judiciary, together with the laws regulating private social relations, (e.g., property law, tort law, etc.), and the relations between legal policies and societal goals and regulations. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3341. Comparative Politics.
This course introduces students to the subfield of comparative politics through an examination of recent political history, political institutions, party systems, and public policies of some of the world's most important countries (including the United Kingdom, Germany, France, Russia, China, Iran, India, South Africa, Mexico and others). Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3342. African Politics.
This course examines the government and politics of African political systems in light of the traditional political cultures, the colonial and post-colonial experience and the diversity of regime experimentation with special attention to the struggle for genuine democracy. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3343. Government and Politics of Latin America.
This course is a comparative analysis of political systems in Latin America, examining the impact of socioculutural and economic factors on political attitudes and behaviors. Special emphasis will be placed on the political systems of Mexico, Cuba, and Brazil. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3344. Government and Politics of Europe.
This course examines the political history and political institutions of Europe and the European Union. Special emphasis will be placed on the political systems in the United Kingdom, France, Italy, Germany, and Russia. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3345. Government and Politics of Russia.
This course examines the domestic and foreign policy of the former Soviet Union, examined both historically and analytically. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3346. Government and Politics of Asia.
This course examines political development in the nations of Far East and South Asia, special consideration will be placed on the political systems of China, Japan, and India. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 3347. Politics of Modern Southeast Asia.
This course examines the political and economic significance of Southeast Asia through comparative analysis; it will include an empirical and conceptual examination of the political dynamics of the region. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3348. Revolution and Nationalism.
This course examines the phenomena of modern revolution and nationalism focusing on different countries in various geographical areas such as the Middle East, Latin America, and others. This course is repeatable once with a different emphasis for an additional three credit hours. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PS 3349. Latin America Party Politics: Theory and Practice.
This course examines some key insights in party and party system theory and practice. Latin America is the regional referent for examining themes, and country examples are studied in depth to illustrate the theory. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3351. Introduction to International Studies.
This course examines critical interdisciplinary questions pertaining to all courses in the International Studies Program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3352. Theories of International Politics.
This course examines theories and concepts in the study of international relations. Major theoretical works and illustrative case studies will be critically analyzed. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3353. Issues in World Politics.
This course examines major issues in world politics, international relations, and comparative politics. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 3354. United States-Latin America Relations.
This course examines United States-Latin America relations as a subset of US global relations and US foreign policy. This course will examine policies, problems, and attitudes with a detailed analysis of U.S. relations with selected countries. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4310A. Natural Law and Virtue Ethics.
This course examines the development of natural law and virtue ethics theory from ancient through contemporary thought. Corequisite: PS 3300 or PS 3301 or POSI 3300 or POSI 3301 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PS 4311. Ancient and Medieval Political Thought (Greeks to 1600).
This course examines classical and medieval political theory from Plato to Machiavelli. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4312. Modern Political Theory (1600 - 1900).
This course examines the development of modern political ideas; and the meaning and relationships of the significant ideologies of our time including democracy, capitalism, the welfare state, socialism, fascism, and communism. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4313. The Holocaust.
This course is an undergraduate seminar on The Holocaust. Topics include: victims and perpetrators, antisemitism, and representation of The Holocaust in film and fiction. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4314. Liberalism and Its Critics.
This course examines the origins, nature, and evolution of one of the most influential intellectual traditions in modern Western political theory, liberal individualism, as well the views of its critics. Corequisite: PS 3300 or PS 3301 or POSI 3300 or POSI 3301 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4315. The Politics of Dystopia.
This course examines the idea of political utopia and the many ways in which it might be twisted into a darker, less-than-perfect society. Content will focus, in particular, on the relationship between fictional dystopias in novels and films, and political reality in 21st-century America. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4320A. American Political Culture.
The course will explore selected problems related to American political culture through an examination of Alexis de Tocqueville's classic study, Democracy in America. Corequisite: PS 3300 or PS 3301 or POSI 3300 or POSI 3301 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PS 4321. American Foreign Policy.
This undergraduate seminar examines the roles of major institutions, American political culture, and the international setting in the making of American foreign policy. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4322. African American Politics.
This course examines the political, cultural, and historical facets of the African American experience. The course will include a study of appropriate constitutional law cases, representation, identity, urban politics, protest movements, and ideology. Particular attention will be given to how these themes develop in Texas and the Southwest. Corequisite: PS 3300 or PS 3301 or POSI 3300 or POSI 3301 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4323. Latina/o Politics.
This course examines the participation of Latinos in US politics. Both formal political participation in electoral politics and involvement in grassroots and social movements are considered. While all Latino groups will be considered, the course has a special emphasis on the Mexican/Chicano experience in Texas and the Southwest. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4324. Women in Politics.
This course examines the role of women in political life. The course will examine women's influence on politics as well as how various public policies affect women. Topics may include feminism, electoral politics, political representation, and the internal politics of women's groups. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4325. Texas Politics.
This course examines the history, culture, institutions, issues, and policies of the Texas political system. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4326. Media and Public Opinion.
This course examines how the media influences public opinion and voting behavior. Specific topics include media functions in campaigns and elections, media bias, new media, and media effects on political attitudes and behaviors. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4327. Religion and American Public Life.
This course examines the ways in which religious beliefs and groups have influenced the course of American democratic experience, and the ongoing debate regarding the proper role of religion in American public life. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4330A. Environmental Law & Policy.
This course examines the institutions, implementation, and regulation of American environmental law and policy. Laws and regulations explored can cover jurisdictions ranging from municipal, regional, state, federal, and international levels. Corequisite: PS 3300 or PS 3301 or POSI 3300 or POSI 3301 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PS 4331. Islamic Law and Politics.
This undergraduate seminar is an examination of the origins, development, divisions, law, and politics of Islam. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4332. The Politics of U.S. Economic Policy.
This course examines the issues of political economy prominent in American public life. Emphasis will be placed on the constitutional, partisan, and sectional aspects of such issues as the Bank of the United States, slavery, gold standard, the Great Depression, banking, income distribution, and the Affordable Care Act. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4333. Issues in Law and Public Policy.
This course examines selected legal issues by focusing on their relationship to public policy. Alternative views, social consequences, political responses, and legal issues resulting from alternative positions are considered. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4334. Legal Theories and Research.
This course examines the American Legal System. Emphasis will be placed on the origins and development of law, the different sources of law, the process of legal research and analysis, and methods for interpreting and applying constitutional, statutory and case law. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4340A. Government and Politics of Japan.
This course is a comparative analyses of political systems in Japan, examining the impact of sociocultural and economic factors on political attitudes and behaviors. Corequisite: PS 3300 or PS 3301 or POSI 3300 or POSI 3301 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PS 4341. Civil-Military Relations in Comparative Politics.
This course examines the primary empirical and normative theories of civil-military relations. Students will investigate the state of civil-military relations in the United States and around the globe. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4342. Economic Development in Latin America.
This course examines the economic history of and current obstacles to economic development in Latin America. It explores the Import Substitution Industrialization Era, the debt crisis of the 1980s, free market economics, and the nature and revival of economic populism. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4343. Politics of Democratization in Developing Countries.
This course examines the third wave of democratization in the developing world and the multiple challenges facing these new democracies. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4344. The Politics of Extremism.
This undergraduate seminar examines international terrorism and extremist politics in America. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4345. Model International Institution Competition.
This course is an applied introduction to diplomacy focusing on issues relevant to international institutions, in which students will engage in debate and role-playing. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4346. Organization of American States.
This course is an introduction to major issues of the OAS including its functions and limitations and the evolving relations among member-states. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4350A. U.S. National Affairs and Homeland Security.
This course examines current issues of national and international importance from political, economic, and social perspectives. Corequisite: PS 3300 or PS 3301 or POSI 3300 or POSI 3301 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

PS 4351. International Conflict and Security.
This course examines historical and spatial patterns of conflict (including war, terrorism, and economic coercion) from the perspectives of Realist, Idealist, and Marxian schools of thought. It will also examine strategies for conflict prevention and resolution such as deterrence, arms-control, collective security, and “building democracy.” Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4352. International Law.
This course will examine the nature, functions, sources, scope, practice, and development of public international law as both a legal and political process. Students will research contemporary international problems and participate in a Moot International Court of Justice. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4353. International Organizations.
This course examines the historical roots of international organizations, the development of the League of Nations, and the evolution of the United Nations. The nature, process, and function of contemporary international organizations will be analyzed. Non-governmental organizations, transnational organizations, and multi-national corporations will be assessed. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4354. Politics of International Economic Relations.
This course examines the institutional structure of interstate economic relations, trade and monetary regimes, foreign investment, foreign aid, and development policies of governments. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4379. Independent Study.
This course is an individualized study including independent reading and/or research on various problem areas of political science. Instructor will approve specific problem area, bibliography, and student paper outline. Prerequisite: Instructor approval. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4380. Internship in Government.
This course is designed for students to gain practical experience while participating in the ongoing work of a selected governmental or nonprofit unit. Interns will work under the joint direction of faculty and intern supervisors. One hundred fifty hours of service during the semester is required of interns. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PS 4398. Practicum in Political Science: Concepts, Resources, and Applications in the Study of Politics.
This course is designed to ensure familiarity with basic concepts and approaches used in the study of politics. This course is required of all B.A. students seeking a teaching certification; it may be taken as a substitute for PS 4399 for Political Science non teacher certification majors. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 4399. Senior Seminar in Political Science.
This course includes intensive reading, research, writing, and discussion focusing on different sub-fields in political science and is required of all political science majors. May be repeated once for additional credit with different instructor and department approval. Prerequisite: Instructor approval. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PS 4680. Internship in Government.
This course is designed for students to gain practical experience while participating in the ongoing work of a selected governmental or nonprofit unit. Interns will work under the joint direction of faculty and intern supervisors. Three hundred hours of service during the semester is required of interns. Corequisite: PS 3300 or PS 3301 either with a grade of "D" or better.
6 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PS 5100. Instructional Methods Practicum for Graduate Assistants.
This course introduces key concepts and practices in the teaching of college introductory political science courses. It provides regular in-service training and planned periodic evalutations of instructional responsibilities. This course does not earn graduate degree credit. It is repeatable 3 times with different emphases and with a maximum of 4 credit hours.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PS 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PS 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PS 5300. Foundation Studies in Political Science.
Students develop knowledge and skills required for success in graduate-level coursework in Political Science. Course content varies depending on academic preparation. This course does not earn graduate degree credit. The approval of the graduate program director is required. It is repeatable 3 times with different emphases and with a maximum of 12 credit hours.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

PS 5301. Approaches to the Study of Political Science.
This course provides an intensive introduction to the advanced study of political science. It focuses on the key concepts, variables, and approaches used to describe, explain, and predict political phenomena. It also discusses key normative theories and the variety of methodologies used in political science.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5302. Political Research and Methodology.
This course is a topical seminar for the exploration of problems in the scope and the methods of political science and public administration. The course emphasizes quantitative methods.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5310. Studies in Ancient and Medieval Political Thought.
This course covers selected topics in Greek and Roman political theory, patristic understanding of politics, and the political theory of the Middle and High Middle Ages. This course includes study of the writings and thought of Thucydides, Plato, Aristotle, Cicero, Augustine, Al-Farabi, John of Salisbury, Aquinas, and others.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5311. Social Contract Theory.
This course is an examination of the social contract, consent, and popular sovereignty in early modern thought. Attention is given to the work of Thomas Hobbs, John Locke, Jean Jeaques Rousseau, and Immanuel Kant (as well as others) and to their critics both then and now.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5312. Roots of American Constitutionalism.
This course examines the origins and evolution of the ideas which inform the American constitutional system, includes an examination of classical, Christian, medieval, Renaissance, and Enlightenment thought that, combined with the British liberal tradition, laid the groundwork for the American experiment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5313. Justice and Liberty in American Thought.
This course examines the concepts of justice and liberty in American thought from the seventeenth century to the present. Attention is given both to the nature of liberty and justice and to their practical requirement as understood by various American thinkers, including statesmen, reformers, social scientists, and philosophers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5315. Contemporary Perspectives in Modern Liberalism.
This course is a bried review of the history and development of modern liberalism and the ensuing response and contemporary alternatives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5316. The Crisis of Liberalism and The Future of Democracy.
This course is an examination of the nature and intellectual foundations of the liberal tradition and the implications of the crisis besetting contemporary theory for the future of democractic government.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5317. Theological Perspectives in Modern Democracy.
This course explores the influence of religion on the rise of modern democracy and the efforts of various religious thinkers to explore the nature and foundations of democratic government.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5318. The Problem of Power and the Crisis of Modernity.
This course is an examination of the crisis of modernity and its implications for humanity's future.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5330A. Nuclear Weapons in International Politics.
This course examines the effects of nuclear weapons on international politics. The course begins with a comparative historical account of the nuclear arms race and efforts to achieve nuclear arms control and disarmament. It then shifts to examine contemporary theories of nuclear proliferation and the case studies which illumine them.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330B. Tocqueville and American Democracy.
This course considers Tocqueville's Democracy in America. Topics include the relationship between aristocracy and democracy; the instability of democracy; the antidotes to these instabilities; the significance of habit in Tocqueville's thought; the case for American Exceptionalism; and the importance of religion for democracy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330C. Party Systems in Latin America.
The course examines some key insights in party and party system theory and practice. Latin America is the regional referent for examining these themes, and country examples are studied in considerable depth to illustrate the theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330D. Problems in Political Science: International Humanitarian Affairs.
This course inquires into the intellectual legacy of international humanitarian issues, including forced migration, refugee problems, moral issues related to humanitarian intervention and emergency aid issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330E. Religion and American Political Culture.
An examination of the ways in which religious beliefs and institutions have shaped American political culture; the ways in which American culture has influenced these beliefs and institutions; and the ongoing debates regarding the proper role of religion in American public life.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330F. Topics in Comparative Politics of European and Developing Countries.
This course explores the recent political history, institutions, party systems, and economic policies of some of the major countries in the globe. The course is devoted to the study of individual advanced European democracies as well as important developing nations, including China, Iran, Russia, Mexico, India and South Africa.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5330H. Topics in Political Science: Seminar on Freedom of Speech and Thought.
This course considers freedom of speech and thought as foundational conditions in liberal conceptions of human flourishing. The course will combine a close reading of modern and contemporary authors with an analysis of recent controversies implicating these freedoms, such as debates about hate speech and political correctness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PS 5332. Problems in American Foreign Relations.
This course is a seminar based on selected topics in American foreign policy and United States involvement in international relations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5334. Texas Politics.
This course examines some of the traditional debates over federalism, intergovernmental relations, and different ways people compare the states. It introduces Texas political institutions and its political history as well as examines some of the current Texas public policy questions such as education, criminal justice, and economic development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5335. The Role of Interests in America.
This course examines the role of interest groups and other organizations in the United States. Students learn about the range of social and economic interests presently active in our country and what observers from a variety of perspectives believe this activity implies for the health of our political system.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5336. Property, Liberty, and Popular Sovereignty.
This course examines the role, status, and power of property in demographic societies. It takes a modified historical approach to the subject, tracing attitudes regarding property from before the American Revolution until today. Although the emphasis is on the United States, the course reviews property in other societies where appropriate.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5337. American Political Culture.
This course explores selected problems related to American political culture with particular emphasis on the question of the cultural preconditions of free government. Beginning with Alexis de Tocqueville's classic study of American political culture, the course explores different Tocquevillian themes in a contemporary American context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5338. American Political Discourse.
This class identifies the way political discourse and social and political cultures connect within Americans' minds. Diverse theoretical perspectives will be used to explore the phenomena involved in social and political issues regarding values, meanings, norms, and prejudices and methods of improving political discourse within American political culture.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5339. The American Presidency.
The course entails an historical analysis of presidential elections from 1789 to the present day. In addition, students examine and engage in reasonable speculations about the upcoming elections.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5340. Congress and the Legislative Process.
This course examines the American legislative process with a focus on Congress. The framework for the course is based on three themes: 1) the "dual Congress," i.e., the notions of deliberation versus representation; 2) the distribution of power in Congress and its consequences; and 3) the bicameral nature of Congress.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5341. Seminar in Constitutional Law and Theory.
This course examines selected issues in constitutional theory, including the theory of judicial review, and constitutional interpretation. It examines the debate on constitutional interpretation in light of cases dealing with the First Amendment freedom of speech, press, and religion, and with substantive due process and the equal protection clause.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5356. The British Political Order Since 1900.
This course examines British policy from 1901 to the present and the major events that affected British history and politics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5357. Russian Politics and Josef Stalin.
This course examines Josef Stalin's personal and public life, analyzes his accomplishments and failures, and generates a summative assessment of his impact on Russian and global politics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5358. Civil-Military Relations in Comparative Perspective.
This course is an intensive exploration of the subject of civil-military relations. Students critically examine the primary positive and normative theories of civil-military relations. They also investigate the state of civil-military relations in the United States and around the globe.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5359. Comparative Democratization.
This course examines the inner workings of autocracies and democracies in the developing world, as well as processes of regime transitions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5360. Economic Development in Developing Nations.
This course examines some of the factors that account for economic development/underdevelopment in developing nations. The factors examined include political, economic and institutional variables. These underlying variables reveal the multi-causal nature of socio-economic development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5361. Government and Politics of African States.
This course examines governments and politics of African states. It examines the nature of domestic and international politics, the precolonial politics and political culture, the impact of the colonial period on politics, several cases of post-colonial successes and failures, the critical nature of external involvement in the politics, and the settings of civil war.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5362. Problems of Democracy in Latin America.
This course examines the main structural and institutional obstacles that stand in the way of high quality democracy in Latin America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5363. Party Systems in Latin America.
The course examines some key insights in party and party system theory and practice. Latin America is the regional referent for examining these themes, and country examples are studied in considerable depth to illustrate the theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5375. Seminar in International Relations Theory.
This course is designed to engage students in the major theoretical and conceptual traditions of international relations in order to assess the complex issues, developments and events constituting international politics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5377. Problems in International Organizations.
This course analyzes the structure, functions, and role of the international organizations in the international system. The course addresses the role of international regions, regional organizations, functional agencies, and bilateral organizations. The procedures and processes on international argument and policy-making are studied through participation in a model security council.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5378. Problems in International Law.
This course examines the nature, functions, and scope, of international law. It addresses several major areas including legal sources, diplomatic practice, territorial jurisdiction, legal personality, the law of state responsibility, asylum law, human rights, and the law of war. The course is heavily research oriented and includes moot court arbitration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5379. Problems in International Political Economy.
This course examines theories and issues in international political economy. The course emphasizes the political and economic conditions conducive to the development of cooperative international economic behavior among countries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5380. International Conflict and Security.
This course deals with the field of security studies. Security studies focuses on what Clausewitz famously called "politics by other means": war. This course centers on three enduring topics: the causes of war, the use of force, and the future of warfare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5389. Internship in Government.
This course offers students practical experience in the on-going work of a selected governmental unit. The student is evaluated on the basis of a research paper, work journal, and work performance. The approval of the graduate program director is required. It may be repeated once with different emphasis and with a maximum of 6 credit hours.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5390. Political Science Curriculum Development.
This course is designed for graduate students with a social science teacher emphasis who are interested in teaching dual credit courses on federal or state government. The course focuses on practical teaching matters including, construction of syllabi, delivering effective lectures, teaching formats, test construction, and grading practices Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5391. Political Science Teaching Practicum.
This course is designed for graduate students with a social science teacher emphasis who are interested in teaching dual credit courses. Prerequisite: PS 5390 with a grade of “B” or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PS 5398. Directed Reading and Research.
This course is an advanced reading and/or research on various topics in political science under the direction of a graduate faculty member. It may be repeated once with different emphasis and professor for a maximum of 6 credit hours. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until a student has completed the thesis under a Political Science Thesis B course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PS 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PS 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PS 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in a Thesis B course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Political Science (POSI)

POSI 2310. Principles of American Government.
A survey of the principles of political science, of the American system of government, and of the origins and development of the constitutions of the United States and Texas. Satisfies the legislative requirements for teacher certification.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Govt/Pol Science Core 070
Grade Mode: Standard Letter
TCCN: GOVT 2306

POSI 2320. Functions of American Government.
This course is a study of functions performed in the American system of government, both national and state, within the framework of the U.S. and Texas Constitutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Govt/Pol Science Core 070
Grade Mode: Standard Letter
TCCN: GOVT 2305

Portuguese (POR)

POR 1410. Beginning Portugese 1.
Introduction to listening, speaking, reading, and writing skills within a Brazilian cultural framework. Students who take POR 1410 toward degree requirements must also complete POR 1420. (MULT).
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: PORT 1411

POR 1420. Beginning Portuguese II.
Continued practice in listening, speaking, reading, and writing skills within a Portuguese cultural framework. Students who take POR 1410 toward degree requirements must also complete POR 1420. (MULT).
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: PORT 1412

POR 2310. Intermediate Portuguese I.
Continued development and review of all language skills within a Portuguese cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: PORT 2311

POR 2320. Intermediate Portuguese II.
More advanced practice in all language skills with greater emphasis on reading with a Portuguese cultural framework. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: PORT 2312

POR 3308. Advanced Composition and Conversation through the Brazilian Short Story.
This course will help students advance their knowledge of the Portuguese language through the reading, discussion, and analysis of modern and contemporary Brazilian short stories. By reading the works of renowned writers students will be able to expand their vocabulary and develop fluent reading and writing skills. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

Psychology (PSY)

PSY 1300. Introduction to Psychology.
A survey of the major principles derived from research on human and animal behavior. Topics studied include learning, thinking, motivation, emotion, personality, the senses, perception, and the form and functions of the nervous system. PSY 1300 with a grade of "C" or better is required for most other Psychology courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080
Grade Mode: Standard Letter
TCCN: PSYC 2301

PSY 2100. Professional Seminar.
This course examines the characteristics of Psychology as a discipline and profession. Coverage includes current trends in Psychology and its subfields, degree options in Psychology and its subfields as they relate to professional and/or career issues, and how to be an intelligent consumer of discipline-specific data and information. Prerequisite: PSY 1300 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 2101. Introduction to Statistics Laboratory.
This statistics laboratory course provides an introduction to descriptive and inferential statistics used in psychological research with an emphasis on data analysis techniques through the use of computer applications (ex., SPSS, R, etc.). Prerequisite: PSY 1300 with a grade of "C" or better. Corequisite: PSY 2301 with a grade of "C" or better.
1 Credit Hour. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 2301. Introduction to Statistics.
The course provides an introduction to statistical methods in behavioral sciences with special emphasis on application to psychological research. The topics covered include descriptive statistics, principles of statistical inference and common hypothesis testing techniques such as z-test, t-tests, analysis of variance, correlation and regression, and selected non-parametric tests. Prerequisite: PSY 1300 and [MATH 1312 or MATH 1315 or MATH 1317 or MATH 1319 or MATH 2321 or MATH 2417 or MATH 2471] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PSYC 2317

PSY 2311. Psychology of Human Sexuality.
A psychological and physiological examination of the human sexual experience from conception through old age. Current research findings serve as a basis for study. Major consideration is given to the human sexual system, the sexual act, sexual attitudes and behavior, and sexual complications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PSYC 2306

PSY 3300. Lifespan Development.
Survey of the psychology of human development from the pre-natal period through adulthood. Emphasis placed on cognitive, motivational, and physiological processes of development in childhood and adolescence. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3312. Adolescent Psychology.
A developmental psychology course designed to examine the complex characteristics of human cognitive and emotional life during the period of adolescence. Emphasis is directed toward the basis of behavior, interpersonal relationships, development, growth, and motivation. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3313. Psychology of Adulthood and Aging.
The development of individuals in the post-adolescent period, particularly after middle age. Topics studied include social, psychological, and physiological changes and problems associated with the aging process. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3314. Psychology of Consciousness.
This course is an introduction to the study of consciousness from the perspective of psychology, neuroscience, and the natural sciences. Topics reviewed included philosphical foundations, cognitive and neuroscientific approaches, the physical correlates of consciousness, introspection, sleep and dreaming and altered states of consciousness. (WI) Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 3315. Abnormal Psychology.
An introduction to the study of abnormality: (1) issues in defining and evaluating it, (2) examples, (3) theories and research attempting to categorize, describe, and explain it, and (4) approaches used to prevent or change it when it is deemed a problem by the individual and/or society. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3316. Personality Psychology.
A comprehensive introduction to research, theory, and application in the field of personality. Individual differences and situation influences are examined concerning authoritarianism, achievement motivation, anxiety, intelligence, self-concept, interpersonal attraction, aggression, sexuality, and altruism. An integrative model is suggested for describing and predicting human behavior. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3321. Sensation and Perception.
An introduction to the processes of perception. Topics will include perceptual measurement, the physiological bases of perception, basic visual processes, and basic haptic, olfactory, and gustatory processes. Prerequisite: PSY 1300 and PSY 3402 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 3322. Brain and Behavior.
This course covers research findings and theoretical concepts concerned with the physiological, anatomical, and pharmacological bases of behavior. Topics include sensory systems, the physiological mechanisms of motivation, and the physiological correlates of associate processes such as learning. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3323. Evolution and Behavior.
The course provides a contemporary understanding of human behaviors, emotions, and cognitions through an examination of Darwin's theories of natural selection, sexual selection, and mental evolution. Relevant interdisciplinary perspectives from philosophy, history, anthropology, archaeology, biology, ethology, and genetics are incorporated. Prerequisites: PSY 1300 and PSY 3300 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3325. Psychology of Persuasion.
This course uses a socio-psychological perspective to understand the dynamics of persuasion and propaganda. It applies selected theories and research on social influence, persuasion and attitude change to such areas as political and educational campaigns, product advertising, mass media and public opinion. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3331. Social Psychology.
The study of how people influence each other. The course covers such topics as conformity, inter-personal attraction, prejudice, and aggression. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3332. Psychology of Women.
The special problems and demands made on the woman within modern western culture. Topics studied include status, roles, values, opportunities, expectations, stress, and self-realization of the modern woman. (MC) (WI) Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

PSY 3333. Industrial Psychology.
The study of applying psychological knowledge and techniques to the modern industrial environment. Topics studied include employee needs, attitudes, selection, testing, boredom, motivation, anxiety, and job satisfaction. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3334. Psychology of Human Diversity.
Explanations about how the environment, genetics and culture shape human differences, and how these differences are linked to world progress and understanding are addressed. (MC) Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

PSY 3335. Forensic Psychology.
Examines the relationships between psychology and the processes of the American courtroom. Sample issues to be addressed include; (a) What psychological theories are used to explain jury decisionmaking? (b) How accurate is the memory of eyewitnesses? (c) How do characteristics of defendants influence juries? Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3336. Sport Psychology.
This course examines the relationships, psychological concepts, and individual's thoughts regarding sports, health and exercise. Sample topics include (1) current theoretical perspectives of personality factors at sports and exercise, (2) why people engage in sports, (3) exercise adherence, (4) mental skills, and (5) the psychological effects of sports and exercise. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3337. Psychology of Prejudice, Discrimination, and Hate.
This course will explore psychological theories and factors that underlie prejudice, discrimination, and hate. Although the course will focus primarily on these issues as they have developed and influence realities in the United States, global issues will also be explored. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3338. Service Learning: Protecting the Vulnerable.
This course examines clinical, legal and psychosocial conditions of adults who, due to mental illness, developmental impairments, brain injuries or aging, are declared "incapacitated" and have court-appointed guardians. Students will serve as the probate court representatives who inspect living conditions and services for individuals under the court-ordered guardianships. Prerequisite: PSY 1300 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 3341. Cognitive Processes.
This course covers the acquisition and use of knowledge, contemporary research on perception, pattern recognition, memory, thinking, problem solving, and language comprehension. (WI) Prerequisite: PSY 1300 and PSY 3402 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 3350. Cognitive Behavioral Therapies.
The course provides theory, research, and application of psychological principles that affect humans in education, business, and personal life. Emphasis is placed on effective use of reinforcement, classroom management, self-control, relaxation, and assertiveness. (WI) Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 3352. Group Processes.
A study of how the individual relates to his group membership. Students will analyze the development and functioning of their own groups, with attention to such issues as problems faced by group members in the early phases of a group's existence, leadership roles, group pressure, and trust. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 3361. Health Psychology.
Surveys contemporary theory and research on body/mind interaction in physical and mental health. Emphasis on personality, psychosocial, and stress factors in physical health. Other topics include the effects of physical health on psychological well being, pain management, longevity and aging, and coping with illness and dying. (WI) Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 3402. Experimental and Research Methods.
This course introduces students to basic instruction in experimental design, data collection, and technical report writing in Psychology. By examining applications of various methodologies, this course provides information on the steps involved in crafting and executing empirical research projects as well as instruction on procedures and software. (WI) Prerequisite: PSY 1300 and PSY 2101 and PSY 2301 all with grades of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 3404. Advanced Research Methods.
The course provides students with the opportunity to conduct original research in psychology using best practices in research methods. Course requirements include obtaining IRB approval, conducting research, analyzing results and presenting findings in a professional setting. (WI) Prerequisite: PSY 1300 with a grade of "C" or better and PSY 3402 with a grade of "B" or better and instructor approval.
4 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 4318. Psychological Tests and Measurements.
The course provides an introduction to basic principles, research, and theories on testing and measurement of psychological constructs. It includes validity, reliability, item analysis, administration, scoring, and interpretation of existing tests and measures, and construction of new measures including surveys and other psychological instruments. Prerequisites: PSY 1300 and PSY 2101 and PSY 2301 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 4342. Learning and Memory.
A study of memory and learning in humans and animals. Attention is given to comparative cognition, cognitive and neuropsychological aspects of memory, and memory deficits. (WI) Prerequisite: PSY 1300 and PSY 3402 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 4350. Reality Therapy/Choice Theory.
This course focuses on Glasser's concepts of Choice Theory and Reality Therapy. This course explores how the "total behaviors" and choices we make impact our lives, the kinds of relationships we want to have with others, health and quality of the life. (WI) Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 4352. Introduction to Clinical Psychology.
Overview of clinical psychology. Emphasis on current theories and methods of individual psychotherapy. Class discussions of readings, films, audiotapes, and live examples illustrating approaches. Experiential learning via class exercises in pairs and small groups and by role-playing both therapist and client in a series of helping sessions. (WI) Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 4390B. Emotion and Human Behavior.
This course will provide an advanced understanding of the multifaceted phenomenon of emotion and its effect on human behavior. Students will be introduced to the philosophical and theoretical underpinnings of emotion, the various individual emotions (e.g. fear, anger, happiness) and will learn how emotion can affect physical and psychological health.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 4390N. Psychopharmacology.
This course reviews psychopharmacology topics including: neuronal and chemical mechanisms underlying drug action; environmental factors modulating the impact of drugs on emotion, cognition, perception and behavior; the processes underlying drug dependency, tolerance, and withdrawal; and the implications for drug abuse treatment and prevention strategies, especially concerning adolescents. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 4390P. Human Factors and Ergonomics.
This course examines characteristics of people that are applicable to the design of systems and technological devices. This course will illustrate how methods and principles of human factors and ergonomics enhance the usability, safety and performance of human-machine systems. Prerequisite: PSY 1300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 4390Q. Introduction to Developmental Disabilities.
This course will provide students with perspectives on the causes, manifestations, and treatment of developmental disabilities throughout the lifespan. Historical views and societal issues will be investigated along with current practices and research. Prerequisite: PSY 1300 and PSY 3315 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 4390R. Intermediate Statistics.
This course introduces statistical methods designed for psychological research with multiple independent variables. Topics include factorial analysis of variance and multiple regression. Interpreting interaction effects is a main focus. This is a practice-based course that will cover both the theoretical contructs and also step-by-step computer procedures. Prerequisite: PSY 1300 and PSY 2101 and PSY 2301 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 4391. History and Theory.
Study of the evolution of psychology as a science through a systematic review of the principal scientific and philosophic antecedents of modern psychology, and analysis of the status of the major contemporary theoretical schools. (WI) Prerequisite: PSY 1300 and PSY 3402 both with grades of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 4393. International Psychology.
The course focuses on the history, status, and future directions of scientific and professional psychology throughout the world. It requires reading about, discussing, and writing about the relatively new specialty area of international psychology. The objective is to deepen students' knowledge of psychology's relevance to the solution of global problems. Prerequisite: PSY 1300 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PSY 4395. Individual Study.
Students design and execute original research, or engage in extensive fieldwork, in the field of psychology under the supervision of a faculty member. All students planning to attend Graduate School are advised to enroll in the course. May be repeated once for additional credit. Prerequisite: PSY 1300 and PSY 3402 both with grades of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PSY 4396. Internship in Psychology.
Extensive field work in a professional setting related to psychology. May be repeated once for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PSY 5105. Practicum in Teaching Psychology.
This course will examine processes and strategies designed to improve the teaching and learning process. Students will be introduced to learning and instructional theory and selected concepts, issues, and strategies of instructional planning, delivery, management, and evaluation. This course does not earn graduate degree credit. Repeatable with different emphasis. Prerequisite: Instructor approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

PSY 5198. Research Seminar.
Taken in two consecutive semesters, this seminar provides an orientation to the graduate program and the steps required for thesis completion. Topics include the discussion of research interests, critiquing literature, and topic selection; developing and submitting a research proposal; selecting a thesis committee; and thesis completion and submission. Restricted to M.A. students in Psychological Research.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5199B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PSY 5299B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PSY 5306. Psychological Development: Theories & Research.
This course is an advanced coverage of biological, social, and cognitive development throughout the lifespan. Topics include cognitive developmental theory, sensory/perceptual development, language development, infant attachment, the development of gender roles, moral development, and issues related to aging. Prerequisite: PSY 3300 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5310. Advanced Abnormal Psychology.
Critical analysis of the definition and classification of abnormal behavior and experiences and an in-depth study of theories and research on causes, remediation, and prevention. Prerequisite: PSY 3315 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5311. Univariate and Bivariate Statistics.
This course introduces students to univariate and bivariate statistical concepts and techniques used in psychology research (e.g., probability, sampling distributions, t-tests, and analysis of variance, correlation). Emphasis is placed on developing skills in data analysis including the selection of appropriate techniques, using data analysis software, and interpretation of statistical results. Prerequisite: PSY 2301 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

PSY 5314. Attitudes: Assessment and Change.
This course reviews social cognitive theories and research on attitudes and behavior change, and examines the principles of persuasive communication. Topics covered include individual differences in information processing, risk assessment, decision making and factors moderating attitude-behavior consistency.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5317. Group Processes and Interpersonal Dynamics.
Designed to train future professionals in both the cognitive and personal issues related to group behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5318. Assessment in Psychology.
The course will provide an overview of assessment instruments commonly used by psychologists and neuropsychologists in research and practice. Basic psychometrics such as validity and reliability also will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5320. Principles of Measurement and Statistics.
The course emphasizes classical measurement theory, including reliability and validity of measurement instruments commonly used in psychology, and reviews descriptive statistics with a focus on correlation and regression. Prerequisite: Course in undergraduate statistics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5321. Multivariate Statistics.
This course introduces students to multivariate statistical techniques commonly used in psychological research such as analysis of variance and covariance, multiple regression, and factor analysis. Emphasis is placed on developing applied skills in data analysis: selection of appropriate statistical techniques, using data analysis software, and interpretation of statistical results. Prerequisite: PSY 5311 with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

PSY 5324. Biological Bases of Behavior.
This course provides an overview of the nervous system structure and function appropriate to the overall field of Psychology in order to foster an appreciation of the biological determinants of behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5326. Neuropsychological Assessment.
This course will introduce principles of neuropsychological assessment including assessment procedures, interpretation of results, neuropathology, and the range of neuropsychological functions to be assessed. This course will also cover the characteristics and administration of several neuropsychological assessment instruments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5334. Health Issues in Diverse Population.
This course examines the influence of socio-cultural beliefs and perceptions on health behaviors and the use of health services. The various ways in which race, ethnicity, gender and social class are related to the delivery of health care and opportunities to facilitate health care to the most vulnerable are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5335. Foundations of Health Psychology.
This course will utilize a biopsychosocial approach to understand the psychology of wellness and disease. Topics include stress, coping, pain, social support, and chronic illness. Special emphasis will focus on physiological responses, psychoneuroimmunology, and somatization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5342. Professional Ethics and Standards of Practice.
This course will focus on the study of APA ethical principles and standards of practice with emphasis on their applicability to research. Ethical decision-making and research, landmark studies, legal cases, and controversies in the field will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5343. Occupational Health.
This course focuses on promoting and maintaining the physical, mental, and social well-being of workers by promoting positive health behaviors, controlling risk factors, and facilitating the adaptation of work to people and people to their jobs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5345. Psychopharmacology.
This course explores: (1) the reasons that humans and animals consume mind altering substances called psychoactive drugs, (2) the neuronal, chemical, and hormonal mechanisms underlying drug action, and (3) the environmental factors that modulate the impact of psychoactive drugs on emotional, cognitive, perceptual and behavioral expression in humans and animals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5348. Health Psychology: Prevention and Intervention.
This course will focus on primary, secondary and tertiary prevention and intervention strategies to enhance health and wellness. Topics will include health-promoting behaviors, risky health behaviors, theories of health behavior change, the process of medical care, and treatment adherence. Special emphasis will be on planning, implementation, and assessment of interventions. Prerequisites: PSY 5335 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5352. Psychological Therapies.
This survey course on evidence-based psychological interventions focuses on the active mechanisms by which therapies work and their application to specific diagnostic categories and conditions. Interpersonal, behavioral, cognitive-behavioral, and dialectical behavior therapies will be highlighted along with newer empirically-based therapies such as Acceptance and Commitment Therapy and mindfulness approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5360G. Forensic Psychology.
Examination of the relationships between psychology and the Criminal Justice system. Emphasis is placed on how psychology variables influence how individuals carry out their duties within the system. Sample topics include: (a) psychology and jury decision-making, (b) accuracy/impact of eyewitnesses testimony, and (c) how characteristics of defendants influence juries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

PSY 5360H. Psychology of Women.
The course includes an in-depth examination of the development of women's roles and gender differences as well as a consideration of women's relationships, sexuality, employment, and diversity. Special topics such as women and violence will also be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

PSY 5360N. Advanced Statistical Methodology.
An overview of commonly used statistical methods in scientific research, with a core focus on generalized linear mixed models for individual studies and meta-analysis for study aggregation. Analyses will be implemented primarily in the R statistical programming environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 5360O. Applied Biostatistics in Health Research.
This course will examine methodological approaches and applied biostatistics in health research. Emphasis on non-parametric univariate and multivariate statistical tests. Prerequisite: PSY 5311 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 5360P. Psychology of Culture and Diversity.
This course provides a graduate level introduction to psychological theories and methods that examine the links between culture and human behavior, affect and cognitions. The course explores the relevance of these links to life development, mental health, social and gender identity, and sexuality. The student is expected to gain critical thinking skills in evaluating the validity of psychological knowledge within a cultural context. More importantly, the students are expected to gain an appreciation and understanding for cultural variation in human behavior across different cultures and an enhanced awareness and ability to work with a culturally diverse and multicultural population.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PSY 5362. Cognitive Neuroscience.
This course provides a comprehensive introduction to cognitive neuroscience: the study of the biological basis of cognitive processes such as perception, attention, memory, language, and decision-making. This is a seminar course that will cover theoretical constructs, methods, and current research findings in cognitive neuroscience. Prerequisite: PSY 3322 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5366. Individual Study.
Students design and execute original research or engage in extensive fieldwork in the field of psychology under the supervision of a faculty member. May be repeated once for credit. Prerequisite: PSY 5391 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PSY 5367. Research Seminar in Social Psychology.
The course provides an in-depth examination of selected topics in social psychology. The focus of student commitment and responsibility is learning about social psychology and actively producing psychological knowledge. The course covers the research process and concludes with each student developing a research proposal.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5370. Learning, Cognition, and Motivation.
Basic problems in the acquisition of responses, treating with such constructs as reinforcement, extinction, retention, forgetting, problem solving, motivation, and punishment. Major theories are treated through attention to classical experiments, but greatest emphasis is given to contemporary research. See Educational Psychology 5370.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5373. Human Memory and Memory Disorders.
This course provides a comprehensive overview of topics in human memory including different types of memory and the brain structures involved. Special emphasis will be given to problems with memory including aging memory, amnesia, and Alzheimer's disease. This course will cover current theories of memory with discussions of cutting-edge research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5374. The Psychology of Language.
This course provides a grounding in the cognitive theories/models of the major areas of language research: acquisition, comprehension, and production. It also provides an overview of the cognitive processes involved in several specific topic areas in language, such as syntax, semantics, discourse, prosody, bilingualism, neuro-linguistics, sign language, and reading.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5381. Introduction to Psychophysiology.
This course will provide an overview of the principles, theory, and applications of using physiological measures to study mental processes. This course will illustrate how the use of psychophysiological measurements can enhance our understanding of brain/mind/behavior relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5391. Research Methods & Experimental Design.
Problems in psychology, emphasis on research procedures. A research project is required of each student. Restricted to M.A. students in Psychological Research.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5392. Program Evaluation.
Introduces the theory and techniques of program evaluation. Addresses all phases of program evaluations, including: conceptualization, planning, implementation, methodological and ethical issues, and analyzing and reporting results. Emphasis is placed on experimental and quasi-experimental methods commonly used in the evaluation of health programs. Prerequisite: PSY 5320 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5395. Practicum I.
Structured practical experience in health psychology at private or public setting. Supervision will be provided by a member of the graduate faculty and by a key individual at the site. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PSY 5396. Practicum II.
Structured practical experience in health psychology at private or public setting. Supervision will be provided both by a member of the graduate faculty and by a key individual at the site. Prerequisite: PSY 5395.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PSY 5398. Internship in Psychology.
Students engage in extensive field work in a professional setting related to psychology. Prerequisite: PSY 5311 and PSY 5321 and PSY 5391 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PSY 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in PSY 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PSY 5399B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PSY 5599B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PSY 5999B. Thesis.
This course represents a student's continuous thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Public Administration (PA)

PA 3300. Introduction to Public and Nonprofit Administration.
This course introduces students to the fundamentals of public and nonprofit administration including the context, nature, and structure of public and nonprofit administration in America; management of public organizations; and challenges of the future.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PA 3301. Political Institutions and Public Service.
This course examines the fundamental political institutions and values of American democracy. The role of public service as it relates to government and nonprofit administration is emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PA 3310. Public Finance Administration.
This course introduces students to fiscal administration and budgeting at different levels of government and nonprofit organizations in the United States. The course includes a wide range of theoretical and applied aspects of fiscal policy and financial administration. Both expenditures and revenues are examined. Prerequisite: PA 3316 and [MATH 1312 or MATH 1315 or MATH 1316 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471 or HON 2302A or HON 2302B] both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 3311. Analytical Techniques.
This course introduces quantitative analytical methods and fundamental statistics ranging from descriptive to inferential procedures. Emphases will be placed on appropriate analytical techniques, use of software for data analysis, interpretation of results and crafting of professional reports based on data analysis. Prerequisite: PA 3301 and PA 3300 and [MATH 1312 or MATH 1315 or MATH 1316 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471 or HON 2302A or HON 2302B] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 3314. State and Local Government.
This course examines state and local government structure, organization, functions, powers and processes. The role of American and Texas state and local government institutions in the formulation and implementation of public policy will be covered. Corequisite: PA 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PA 3316. Metropolitan Politics.
This course examines the political institutions and processes of urban and suburban America. Key contemporary metropolitan policy issues are used to highlight underlying tensions in policy formation and implementation. This course emphasizes the unique problems of cities and major metropolitan areas. Corequisite: PA 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PA 3330. Public Personnel and Human Resource Administration.
This course introduces the laws, context, procedures, personnel structures, techniques, and challenges associated with managing personnel in government and nonprofit organizations. Emphases will be placed on strategic planning for human resources, position classification, selection, recruitment, compensation and benefits, training, performance appraisal, collective bargaining and other aspects of personnel management. Corequisite: PA 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PA 3340. Administrative Law.
This course examines the rule making, adjudication, and enforcement powers of federal and state agencies. The course also examines statutes that confer authority on such agencies and challenges to their constitutionality, as well as the principles that the courts employ to scrutinize agency actions. Corequisite: PA 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PA 3350. Public Policy Process.
This course examines the theories, processes and practices of public policy formulation, implementation and evaluation. Emphasis may vary and include but not be limited to environment and sustainability issues, energy, social and economic policies. Corequisite: PA 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PA 3351. Urban Management and Regional Policy.
This course provides a critical introduction to the key aspects of regional and urban management and policy. Students will study how urban administration practices and regional policies influence the form and function of American cities. Corequisite: PA 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PA 4340. Issues in Law and Public Policy.
This course examines contemporary legal issues and their relationship to public policy. Emphasis may include environmental protection, sustainability, climate change, voting rights, capital punishment, gun rights, and electronic challenges to privacy rights from the perspective of bureaucratic functions and non-profits. Corequisite: PA 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PA 4352. Comparative Public Administration.
This course surveys the field of Public Administration emphasizing aspects of administration and public policy systems in the US and compares them with administration and public policy systems of other countries. Corequisite: PA 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PA 4362. Government, Nonprofit and American Business.
This course examines the role of American business in public policy. It examines how the public, private and nonprofit sectors interact in the policy process. This includes ways in which policy and politics shape business and nonprofit culture and how businesses and nonprofits influence policy implementation through contracting. Corequisite: PA 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PA 4370. Ethics in American Government.
This course examines key ethical and cultural challenges in public service, including service in government and in nonprofit and voluntary organizations. Content includes but is not limited to ethical theory and analysis, and examination of ethical issues in areas such as healthcare, privacy, accountability, education, research, planning, elections, and policy. Corequisite: PA 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PA 4389. Internship in Public Administration.
This course provides students with meaningful work in public administration as interns in public or nonprofit organizations. Under faculty supervision, students complete 150 hours of service and conclude their internship by completing a report on their work experience. Prerequisite: Instructor approval. Corequisite: PA 3301 with a grade of "D" or better.
3 Credit Hours. 0 Lecture Contact Hours. 15 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

PA 4398. Research in Public Administration.
This course will examine basic concepts and approaches used in the study of public administration. Emphasis will be placed on identifying, locating, and employing resources to assist in understanding public administration at all governmental levels. Prerequisite: Instructor approval. Corequisite: PA 3301 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PA 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5300. Introduction to Public Policy and Administration.
This course introduces students to the study and practice of US public administration and policy. It also focuses on the dynamics of the democratic governance process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5310. Public Finance Administration.
This course examines the applied aspects of public finance including operating budgets, revenue estimation, capital budgeting, financial planning, budgetary decision-making, cost benefit analysis, and life-cycle costing. In addition, strategies for budget justification, presentation, and implementation are examined. The use of various budgetary tools and techniques are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5311. Introduction to Statistical Analysis.
This course applies quantitative methods to problems faced by public administration practitioners. Topics include the use of descriptive and inferential statistics as they apply to decision-making in public management. Students gain hands-on experience with data collection, analysis, and interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5312. Program Evaluation and Administrative Statistical Analysis.
This is an advanced course in the application of quantitative methods for the evaluation of public policies and programs. The course emphasizes the administrative and managerial environment. Prerequisite: PA 5311 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5313. Public Sector Economics.
This course presents basic concepts of economics as applied to the public sector. Principles of economics for policy analysis and management are examined in the context of collective action, public choice, resource allocation, and service delivery. The course also examines the financing of national, state, and local governments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5314. Public Administration and Information Technology.
This course explores the use of information technology in the public sector. It emphasizes the issues that public administrators need to know concerning the impact of information technology on their organizations. The course covers E-Democracy, E-Governance, Enterprise Architecture, Public Management Information Systems (PMIS), E-Procurement, and E-Commerce.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5315. Public Performance Management.
This course examines public sector performance management and measurement as tools for improving strategic planning, resource allocation, organizational learning, and internal operational processes. It also examines accountability, managerial performance, and evaluation processes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5320. Organizational Theory, Change, and Behavior.
This course analyzes classic and contemporary literature on organizational theory and behavior in the public sector. Emphasis is placed on history and development of organizational theory and core concepts such as organizational culture, power, and change. The implications of organizational theory for democratic governance are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5330. Public Personnel Administration.
This course introduces students to public personnel functions from a managerial perspective. Examples of topics covered include: recruitment and selection, perfomance evaluation, discipline, collective bargaining, classification, and compensation. Constructive leadership of government personnel that encourages a more competent, motivated, and representative administration workforce is emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5331. Labor Management Relations.
This course examines the historical development of public employee unions and the effects of collective bargaining agreements on personnel policy development. Public laws concerning collective bargaining procedures and strategy on the part of public managers are covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5332. Management Practices in Public Personnel Administration.
This course is a seminar-based examination of selected topics in public personnel administration including job analysis, position classification, test construction, performance appraisal, succession planning, and affirmative action. The role of the personnel office as a strategic partner in accomplishing organizational goals is also explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5340. Introduction to Public Law.
This course examines the regulatory environment, legal requirements, and constraints that public officials face when carrying out their durties. The use of online research tools to find adminstrative materials and analyze public law issues is emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5350. Public Policy Processes.
This course is an overview of the process of public policymaking including policy formulation and implementation. Emphasis is placed on actors in the policy process and on the political environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5351. Urban Transportation Policy.
This course presents basic components of transportation policy and planning. In addition to building an understanding of the historic foundation of transportation policy, students explore the underlying concepts related to congestion management, transit and active transportation planning, and impacts on land use and sustainability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5352. Comparative Public Administration.
This course examines differences in various national administrative systems and the role of international organizations. It explores differences that influence various public policy issues from countries around the world. Policy issues examined include poverty, human rights, health care, and the environment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5353. Ecology and the Politics of Sustainability.
This course is an exploration of problems and policies dealing with air, water, waste, energy use, natural resources, sustainability, and global environmental issues. This class highlights the historical drivers of environmental policy. Implementation strategies, policy mechanisms, and compliance adherence are also examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5355. Environmental Policy.
This course will introduce students to the public policy process and the details of U.S. environmental policy and administration. Problems and policies dealing with air, water, solid waste, hazardous waste, energy use, natural resources, climate change, sustainability, and global environmental governance will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5361. Introduction to the Nonprofit and Voluntary Sector.
This course provides a foundation for understanding the history, scope, and function of the American nonprofit and voluntary sector. It includes an examination of the conceptual and theoretical underpinnings of the sector, and assessment of the role of these organizations in society, and their impact on public policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5362. Alternative Public Service Delivery Systems.
This course examines alternative delivery of public services. The reliance on market mechanisms, contracting out, and privatization are explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5370. Public Management and Ethics.
This course explores issues of morality and ethics in the public sector. It also considers subjects such as administrative discretion, the public interest, democratic values, and dissent. The course aims to formulate a frame of reference for judging behavior and clarifying our role and responsibility as moral agents.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5380A. Texas Water Law and Policy.
This course examines the chief policy issue that will determine the future of Texas: how state and local agencies administer the state's ground- and surface water legal regimes. With the legal and regulatory framework in place, the course investigates pressing water policy issues that confront Texas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PA 5387. Research Practicum.
This course uses structured group research to analyze a current policy, management, or administrative issue. A professor-led research team completes a final report detailing findings and recommendations for action. May be repeated once for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5388. Directed Reading and Research.
This course guides students in directed reading and research on various topics in public policy and administration under the direction of a graduate faculty member. The course may be repeated once with a different emphasis for additional credit for a maximum of 6 credit hours. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5389. Internship in Government.
This course provides students with the opportunity to integrate classroom learning with practical experience. Students with little or no work experience related to public service are required to complete an internship. Students considering a career change should consider an internship. May be repeated once for additional credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5390. Applied Research Methodology.
This course is an introduction to applied research methods in the public sector. Topics include the scientific method, research design, measurement, qualitative research, and sampling. Data collection methods such as survey research, content analysis, and secondary data analysis are also covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PA 5397. Research Design and Proposal Development for Public Administration.
This course prepares students for the demands of academic and professional writing. Students learn how to identify a public problem, develop a research purpose statement, and complete a literature review around a conceptual framework. This course prepares the student for their Applied Research Project (ARP). Prerequisite: PS 5390 with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5398. Applied Research Project.
This course serves as the capstone experience for MPA students. Students complete an original and empirical Applied Reserach Project (ARP), complete an oral defense of the ARP, and prepare the ARP for publication. Prerequisite: PA 5397 with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PA 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in public administration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PA 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PA 7355. Environmental Policy, Politics, and Law.
This course examines the formulation and implementation of environmental policy and law at the state, federal, and international level. It highlights legislation, rulemaking, treaties and international conventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Public Health (PH)

PH 1310. Foundations of Personal Health.
This course provides an introduction to personal health and wellness topics including nutrition, mental health, sexual health, and physical fitness with an emphasis on health trends and health behaviors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHED 1304

PH 1320. Introduction to Public Health.
This course provides students a basic understanding of U.S. and global public health systems. Students are also introduced to various public health settings, specific careers in public health, and public health certifications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 2338. Substance Use and Abuse.
This course explores the impact of substance use and abuse on personal, public, and population health. Course content includes current statistics and information on substance use and abuse issues and substance prevention interventions with a focus on public health prevention strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHED 1346

PH 2340. Community Health.
This course acquaints students with issues, trends, developments, and principles in community health. The course also provides an overview of selected topics, such as epidemiology, community organization, and program planning. Corequisite: PH 1320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3301. Environmental Health.
This course is an examination of the ecological impact resulting from contemporary sociopolitical action and its resulting influence on human health. Prerequisites: PH 1320 and PH 2340 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3315. Statistics in Public Health.
This course emphasizes analysis and interpretation of health-related data. Descriptive and inferential statistics (including measures of central tendency and variability, estimation, ANOVA, and regression) will be used to understand factors associated with current health-related issues. (WI) Prerequisites: PH 1320 and PH 2340 and [MATH 1315 or MATH 2417 or MATH 2471] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PH 3321. Health in the School Setting.
This course offers a foundation in health methods and activities to provide resources for the elementary and secondary school teacher. Provides an overview of current school health issues: Whole School, Whole Community, Whole Child model, mental health, personal health, family life, substance abuse, and violence in the school setting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3330. Inclusion and Diversity in Women's Health.
This course is designed to explore the health care concerns unique to women and to provide students with opportunities to create strategies to improve women's health. Particular attention will be given to issues that affect women in under-served populations and how to more effectively serve their needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3348. Prevention of Disease.
This course provides an overview of the etiology of communicable and chronic diseases with special emphasis on health promotion activities to reduce the incidence of disease in communities and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3350. Consumer Health.
This course focuses on consumer health and decision making with regard to the selection of health products and services. Students will learn how to effectively evaluate health information with emphasis on consumer literacy, public policy, and consumer products and services.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3360. Issues in Human Sexuality.
The course provides a study of human sexuality as a lifelong process of acquiring information and forming healthy attitudes, beliefs, and values regarding sexuality. Human sexuality's impact on personal and public health will be explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3370. Epidemiology.
This course introduces students to epidemiological concepts including determinants of health and patterns of disease in populations, population health descriptive techniques, use of health indicators and secondary data sources. Students will focus on epidemiology in community health assessment and program evaluation, and development of public health strategies and policy. Prerequisite: PH 1320 and PH 2340 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3374. Global Health.
This course focuses on principles of international health in global populations. Students explore roles of health educators collaborating with providers of health services to diverse populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 3376. Worksite Health Promotion.
The purpose of this course is to introduce students to worksite health promotion. The focus of the course is on planning, implementing, and evaluating worksite health promotion programs. The course addresses other contemporary health issues, policies, and considerations that affect worksite health promotion.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 4100. Professional Development in Public Health.
This course provides the opportunity for students to obtain a community or public health promotion internship and to actively participate in professional development activities including conferences, development of resumes and interaction with health professionals. Prerequisite: Minimum 2.5 Major GPA. Corequisite: PH 4640 with a grade of "C" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 4336. Health Behavior Theory.
This course introduces students to health behavior theory, including cognitive, operant, and social theories of motivation and behavior, behavior change theory, social marketing, and social ecology. Students will also learn about the role of behavior theory in health promotion practice and public health interventions. (WI) Prerequisites: PH 1320 and PH 2340 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PH 4347. Independent Study in Public Health.
This course is designed for undergraduate students who display potential for independent research in public health. Students work individually with faculty to develop an independent research study/project in public health. Open on an individual basis by arrangement with the division chair. May be repeated for credit with different emphasis. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

PH 4640. Public Health Program Planning and Evaluation.
Students apply professional knowledge and skills to the development of public health programs. Topics include needs assessment, data gathering techniques, instrument design, data and statistics, and the interpretation, reporting, and application of findings for program development. Cultural competency and communication are covered. (WI) Prerequisites: PH 1320 and PH 2340 both with grades of "C" or better and a minimum 2.5 Major GPA. Corequisites: PH 4336 with a grade of "C" or better.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PH 4660. Internship in Public Health.
This internship involves the application of public health concepts to a community or public health setting. Students participate in the work of a health organization/agency and complete a semester-long project. A minimum of 480 contact hours is required. (WI) Prerequisites: PH 4100 and PH 4640 both with grades of "C" or better and a minimum 2.5 Major GPA and instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

PH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5305. Grant Proposal Writing in Public Health.
This course provides the fundamentals of writing grant proposals in the social sciences. Instruction covers how to package a successful proposal from start to finish, including defining program objectives, selecting approaches and a plan, and preparing a program evaluation and budget.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5310. History and Philosophy of Public Health Education and Promotion.
This course is an intensive study of historical and philosophical contributions to public health education and promotion program development. Current political issues, public health issues, and influential cultural changes are examined. Focus is placed on developing a professional philosophy of practice in public health education and promotion practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5312. Writing for Public Health Professionals.
This course provides a systematic approach to improve technical and professional writing skills. Specifically, theory-based methods for establishing a productive writing habit, generating and editing text, and self-identifying and self-correcting writing problems are presented. Writing for and application of public health research are emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5315. Applied Behavioral Statistics in Public Health Education and Promotion.
This course focuses on the study of introductory and intermediate statistics and procedures commonly used in public health education and promotion. Emphasis will be placed on application of statistical models, analysis software, and interpretation of findings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5320. Foundations of Public Health.
This course is an in-depth study of past and current public health programs. The course focuses on the examination of public health programs, policies, and systems that have impacted health status in different populations. A collection of current case-studies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5321. Advanced Health Behavior Theory.
This course focuses on the presentation and critical analysis of the role of theory in health behavior, the description of different theories being utilized in health research and interventions, and the application of these theories to interventions and research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5325. Ethical Principles in Public Health Education and Promotion.
This course provides an in-depth analysis of ethical standards, principles, and behaviors related to the field of public health education and promotion. Students will explore how to apply, monitor, and model ethical standards in the profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5330A. Health Disparities.
This course explores social determinants of health and health disparities in the U.S. and globally. Students explore past and existing public health initiatives to address health disparities in various U.S. communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

PH 5335. Public Health Education and Promotion Leadership.
This course covers structured experiences for developing administrative leadership for public health education and promotion programs. Included are leadership philosophy, staffing, programming, budgeting, public relations, facilities, and evaluations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5345. Public Health Issues in Human Sexuality Education.
This course provides for in depth study of sexuality education as a lifelong process of acquiring information and forming healthy attitudes, beliefs, and values regarding sexuality. Students analyze information and educational resources for implementing and advocating for sexuality instruction through health courses, sexuality education courses, and programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5346. Research Methods in Public Health Education and Promotion.
This course focuses on research models used in public health education and promotion. Students learn how to design research studies using accepted research methods in the social sciences. In addition, students write the introduction, literature review, and methods sections commonly accepted in public health research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5347. Independent Study in Public Health Education and Promotion.
This course allows for independent study of one or more problems in public health education and promotion that hold special interest for a student or offers opportunity for professional improvement and growth. Open on an individual basis by special arrangement with the Program Coordinator. Repeatable once with a different emphasis. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5350. Advanced Public Health Program Planning and Evaluation.
Students examine social ecological influences on population health in the context of public health program development. Students explore the use of epidemiological data to assist in developing health education and health promotion programs. Concepts include needs assessment, strategy selection, coalition development, implementation plans, and evaluation approaches.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5360. Internship in Public Health Education and Promotion.
This 240-hour internship provides students with professionally related experience. Students may work with diverse target audiences in public health settings. Internship is approved and supervised by Program Coordinator or assigned faculty. Prerequisites: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

PH 5374. Global Public Health.
This advanced course focuses on principles of international health with global populations. Emphasis is placed on assessing, planning, implementing, and evaluating prevention strategies. Students explore roles of health educators collaborating with providers of health services to diverse populations. Prerequisites: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

PH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in PH 5399B. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

PH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

PH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Quantitative Methods and Statistics (QMST)

QMST 2333. Business Statistics.
This introductory course covers descriptive and inferential statistical techniques for business and economic decision making. Topics include measures of central tendency and dispersion, probability distributions, sampling distributions, confidence intervals, hypothesis testing, simple linear regression, and correlation analysis. Prerequisite: CIS 1323 and [MATH 1329 or MATH 2331 or MATH 2471] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: BUSI 2305

QMST 3334. Statistical Modeling.
Students will learn to apply a broad range of statistical analysis techniques using statistical software in business decision-making. Topics include applied modeling techniques, such as regression modeling, time-series modeling and analysis of variance; non-parametric methods; quality control; and simulation. Prerequisite: QMST 2333 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 3339. Data Mining and Visualization.
This course introduces data mining concepts and practical skills for applying data mining techniques to solve business problems. It emphasizes data visualization and data analysis algorithms (e.g., prediction, classification, clustering), systematic evaluation and model assessment for big data sets. Prerequisite: QMST 2333 with a grade of "D" or better and a minimum 2.0 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 3341. Big Data Analysis.
This is an introductory course in statistical programming. The objective of this course is to use programming tools and statistical methods to analyze large data sets. Topics covered are graphs used for statistical analysis, statistical modeling, visualization techniques, simulation, and optimization. Prerequisite: QMST 2333 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 4314. Optimization.
This course introduces the theory, algorithms and applications of optimization methods that are used in analyzing and solving business decision problems. The fundamental methods to be discussed include linear programming, integer programming and network optimization. This course also builds the base for decision making models with uncertainty. Prerequisite: QMST 3339 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 4320. Data Analytics.
This course will introduce various techniques available to extract useful information from massive datasets. The course will emphasize advanced analytical theory and methods such as: clustering, association rules, regression, classification and In-Database analytics. The course will also techniques used for data preparation, discovery, and model building. Prerequisite: QMST 3341 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 4373A. Applied Time Series.
This course will teach the fundamentals of time series methods to be applied on real-life data. The course focuses on application, however the methodology behind the models will also be discussed. Students will learn how to pick the appropriate method for the time series of interest. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 4373C. Topics in Data Analytics.
This course covers the process of transforming big data into information for making decisions. The topics include introduction to data science, analytics and advanced data mining algorithms, and challenges related to analyzing business data. Students will learn how to use software and conduct data analysis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5332. Optimization.
A study of management science/operations research emphasizing theory and applications of evaluative, predictive, and optimizing models as applied to the management of product and service-oriented operations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5334. Statistical Methods for Business.
The course provides the quantitative foundation for business analysis and decision making. Topics include: inferential statistics, regression analysis, and other analytical/modeling techniques with wide applicability in decision-making and problem solving in all functional areas of business.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5335. Forecasting and Simulation.
This course introduces the concepts and principles of forecasting and simulation techniques as applies to planning and decision making in organizations. Topical coverage includes time series forecasting, casual forecasting, discrete event simulation, and continues-event simulation techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5336. Analytics.
This course introduces analytics which refers to the process of transforming data into information for making decisions. The topics include the introduction to analytics, visualization, analytics applications, and challenges related to business data. Students will learn how to use software, conduct data analysis and communicate their results.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5342. Probability and Statistical Models.
This course introduces the concept of probability and probability distributions. It includes general and generalized linear models, inflated and mixture models, and hierarchical models. Model validity and choice will also be discussed. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5343. Data Mining.
This course covers data mining concepts and applications of data mining techniques to solve business problems. It emphasizes algorithms such as classification, clustering, association, and text mining. Model selection and assessment are also emphasized. Prerequisite: QMST 5336 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

QMST 5369. Independent Study in Quantitative Methods.
This course focuses on individual in-depth research. Students, in consultation with a faculty member, choose a selected area of study in quantitative methods and work independently on a specialized project. Course may be repeated with approval of department chair. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5390A. Statistical Computing.
This course covers programming and statistical computing concepts. Programming concepts include data manipulation, data structures, control structures, functions, basic algorithms, and matrix manipulations. Statistical computing topics include numerical linear algebra, Monte Carlo methods, and numerical optimization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

QMST 5395. Internship in Analytics.
This course is based on experiential learning while the student works in quantitative methods and statistics. Students will integrate both professional and academic experiences through the internship with an external employer. Prerequisite: Instructor approval.
3 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

QMST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Data Analytics and Information Systems. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

QMST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

QMST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Radiation Therapy (RTT)

RTT 3120. Clinical Simulation Lab I.
Students are provided instruction and simulated practice in a controlled laboratory setting. This course provides first-year students foundational clinical set-up skills from which to build on during the clinical learning practicum course.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3121. Clinical Simulation Lab II.
Students are provided instruction and simulated practice in a controlled laboratory setting. This course provides instruction, demonstration and participation in immobilization, positioning and simulation with the aid of an anthropomorphic phantom. Students will learn aspects of simulation for basic treatment delivery applications.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3220. Directed Clinical Learning I.
Students will observe the basic operations of the radiation oncology clinic while interacting with the multidisciplinary team involved in providing treatment and care. The student will be introduced to oncology terminology, equipment, and techniques used for treatment. Learning is achieved through direct patient care, with instruction, demonstration and direct supervision.
2 Credit Hours. 1 Lecture Contact Hour. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3221. Directed Clinical Learning II.
Students will gain additional skills in clinical procedures, interaction with patients and professional personnel. Students apply knowledge from previous clinical learning experience under the supervision of a registered radiation therapist. Students are tested on intermediate clinical radiation therapy skills.
2 Credit Hours. 1 Lecture Contact Hour. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3300. Patient Care in Radiation Oncology.
This course will focus on basic nursing concepts involved in providing care for the cancer patient. Topics to be included in the class will be cancer as a chronic health problem, social roles and cancer, multidisciplinary approach to patient care, psychosocial dimension of cancer, in-treatment examinations, follow-up examinations, emergency management, chemotherapy and nutritional aspects of treating patients with cancer.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3301. Introduction to Radiation Oncology.
An overview of radiation oncology and the role of the radiation therapist. Presentations will orient the student to the physical and biological basis of radiation equipment, procedures, tumor pathology, and patient interaction. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RTT 3302. Radiologic Science and Medical Imaging.
This course will cover the principles governing production of radiation, interaction of radiation with matter, and protection of the radiation worker and patient from exposure. Basic principles of x-ray equipment, exposure factors, latent image formation, and processing of radiographs are presented. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3310. Physics of Radiation Therapy I.
Students will learn the principles of radiation physics as they apply to the treatment and care of the cancer patient. Course will include a thorough review of x-ray production, fundamental principles, concepts and terminology. Topics studied include measurements, general principles, structure of the atom, structure of the matter, electrostatics, magnetism, electrodynamics, electromagnetism, rectification and production and properties of radiation and radiographic techniques.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3314. Radiation Therapy Sectional Anatomy.
The course provides instruction in identifying cross-sectional anatomy to develop the ability to make anatomic correlations between multiple planes of view. Major organs, lymphatics, vessels are emphasized as related to the clinical significance in the field of radiation therapy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 3350. Radiobiology.
This course will cover the principles of cell response to radiation, including tissue sensitivity, survival, repair and the latent effects of irradiated tissue. Topics to be covered include the development of radiation science, cellular targets for radiation action, target theory, physical/ chemical factors affecting radiation response, biological factors, repair and recovery, fractionated doses and dose rate, early/ acute effects of whole body exposure, late/chronic effects of whole body exposure, and radiation protection dose guidelines.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4120. Clinical Simulation Lab III.
Students are provided instruction and simulated practice in a controlled laboratory setting. A continuation of RTT 3121. This course provides instruction, demonstration, and participation in immobilization, positioning and simulation with the aid of an anthropormorphic phantom. Students will learn aspects of simulation for basic intermediate treatment delivery applications.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4121. Clinical Simulation Lab IV.
Students are provided instruction and simluated practice in a controlled laboratory setting. A continuations of RTT 4120. This course provides instruction, demonstration and participantion in immobilization, positioning and treatment simluation. Students will learn aspects of simulation for basic, intermediate, and some advanced treatment delivery applications.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4122. Clinical Simulation Lab V.
Students are provided instruction and simulated practice in a controlled laboratory setting. A continuation of RTT 4121. This course provides instruction, demonstration and participation in immobilization, positioning and treatment simulation. Students will learn aspects of simulation for basic, intermediate, and some advanced treatment delivery applications.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4189. Radiation Therapy Literary Scholarship and Manuscript Writing.
This intensive writing course provides instructions in research strategies, critical review and analysis of peer reviewed publications. An introduction to scholarly resources and professional manuscript development using peer reviewed journal guidelines for the profession of radiation therapy. This course prepares students for RTT 4191 Radiation Therapy Seminar. (WI).
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RTT 4190. Professional Issues in Radiation Therapy.
This capstone course provides a comprehensive review of the program curriculum and clinical practice in the field. Current radiation therapy treatment management techniques and issues are presented for analysis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

RTT 4191. Radiation Therapy Seminar.
This course is a continuation of RTT 4189. The course provides instruction in the completion of a final draft for the student's technical manuscript. The course work builds from the completed manuscript and draws from the material and knowledge gained in RTT 4189 to develop a formal presentation.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4220. Directed Clinical Learning III.
Students will continue to develop skills during this clinical course. Progressive interaction with patients and professional personnel are monitored as students practice radiation therapy in a supervised setting. Additional areas include problem solving, identifying machine components and basic side effect management. Students will demonstrate competence in beginning, and intermediate procedures.
2 Credit Hours. 1 Lecture Contact Hour. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4221. Directed Clinical Learning IV.
The course provides students the opportunity to continue to develop confidence and increased skill in simulation and treatment delivery. Students will demonstrate competence in beginning, intermediate, and some advanced procedures through supervised clinical instruction, progressing through a competency-based educational sequence.
2 Credit Hours. 1 Lecture Contact Hour. 24 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4222. Directed Clinical Learning V.
The students will complete their clinical training by practicing all the skills they have learned in the classroom, lab, and clinical practicum. The students will continue demonstrating proficiency while completing the Skills Competency Checklist.
2 Credit Hours. 1 Lecture Contact Hour. 24 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4291. Professional Issues in Radiation Therapy.
This capstone course provides a comprehensive review of the program curriculum and clinical practice in the field. Current radiation therapy treatment management techniques and issues are presented for analysis.
2 Credit Hours. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4310. Physics of Radiation Therapy II.
Students will continue to learn the principles of cell response to radiation. Topics covered will include properties of x-ray and gamma radiation, radiation units, x-ray production, photon interactions, beam characteristics, radioactivity, treatment units, and particle irradiation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4330. Quality Assurance.
Students will study quality assurance tests related to patient charts, treatment accessories, patient communication devices, machine reading and safety devices. Emphasis on quality control procedures to include Continuous Quality Improvement (CQI), Joint Commission on Accreditation of Healthcare Organizations (JCAHO) and responsibilities of each team member in relation to quality assurance duties.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4331. Operational Issues in Radiation Therapy.
Course content is designed to focus on various radiation therapy operational issues. Accreditation, CQI development and assessment techniques will be presented. Human resource issues and regulations impacting the radiation therapist will be examined. Topics include the role of network information systems within the radiation oncology department. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RTT 4360. Dosimetry I.
This course will cover the basic concepts in treatment planning and clinical dosimetry. Students will learn to identify treatment preparation processes and needs for beam modifying devices. Students will also be taught isodose charts for several treatment arrangements and be able to calculate a variety of external beam treatment formulas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4361. Dosimetry II.
Students will learn additional concepts in treatment planning and clinical dosimetry addressed in Dosimetry I. Computerized treatment planning applications will enhance the understanding of medical dosimetry.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

RTT 4370. Clinical Radiation Oncology I.
The first of a two-part course, this course advances the student's knowledge of neoplastic disease management. Instruction will focus on the regional anatomy and physiology, epidemiology and etiology, detection and diagnosis, diagnostic procedures, histopathology, patterns of spread principles of treatment, staging, and prognosis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RTT 4371. Clinical Radiation Oncology II.
The second of a twopart course, this course is a continuation of disease specific instruction. Instruction will focus on the regional anatomy and physiology, epidemiology and etiology, detection and diagnosis, diagnostic procedures, histopathology, patterns of spread, principles of treatment, staging, and prognosis. Prerequisite: RTT 4370 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Reading (RDG)

RDG 1300. Reading Improvement.
Course provides instruction in vocabulary, reading comprehension, critical reading, study and test-taking skills for students who fail to pass the reading placement subtest. Concurrent enrollment in specific sections of general education courses is required. Credit earned for this course does not count toward degrees offered by the university.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Developmental/Remedial|Lab Required
Grade Mode: Developmental

RDG 3312. Reading and Writing Instruction for Children with Special Needs.
Course focuses on classroom reading instruction for children not making average progress in literacy. Course topics: nature and identification of literacy difficulties, including dyslexia; modification of instruction for children with special needs; diagnostic teaching, teacher/program effectiveness and legal requirements of special populations. Prerequisites: Admittance to the Educator Preparation Program; RDG 3315, RDG 4310; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 3315. Assessing Literacy: Early Childhood Through Grade Six.
Students will understand principles of literacy assessment to guide literacy instruction for all children, including culturally and linguistically diverse students, and plan appropriate instruction in a field-based setting. Prerequisites: Admittance to the Educator Preparation Program; CI 3315, CI 3310, CI 3332, CI 4360, ECE 4300, ECE 4310, ECE 4352; Co-requisites for EC-6: RDG 3321, RDG 3320; Co-requisite for 4-8: RDG 4310; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 3320. Integrating Reading and Writing.
Course focuses on the integration of reading and writing with other subject areas, especially social studies, with special attention given to ESL methodologies for language arts instruction. The workshop approach for reading and writing is emphasized. Prerequisites: Admittance to the Educator Preparation Program; Co-requisites: RDG 3315, RDG 3321; 2.75 Overall GPA. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RDG 3321. Literacy Instruction for Early Childhood Through Grade Six.
Course provides for the understanding, critical analysis, and application of current literacy methods and materials, with a focus on ESL theories and methodologies. Course is taught in a field-based setting. Prerequisites: Admittance to the Educator Preparation Program; CI 3315, CI 3310, CI 3332, CI 4360, ECE 4300, ECE 4310, CI 4352; Co-requisites: RDG 3315, RDG 3320; 2.75 Overall GPA. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RDG 3323. Teaching Reading in the Content Areas.
Provides information about reading in secondary content areas emphasizing selection and use of materials, including textbooks in print and electronic formats. Topics include instructional strategies, assessment of comprehension, and adapting instruction to meet student needs. Prerequisites: Admittance to the Educator Preparation Program; CI 3325, CI 4332; Co-requisites: CI 4343, CI 4370; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 4310. Content Reading.
Course provides information about instruction in the elementary content areas with emphasis on the effective use of textbooks and tradebooks. Course topics include: nature and purpose of content instruction and reading, text selection, use of tradebooks, comprehension, inquiry learning and problem solving, and assessment and meeting individual needs in content reading. Prerequisites: Admittance to the Educator Preparation Program; CI 3310, CI 3325; Co-requisite: RDG 3315; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 4320. Language and Literacy in Diverse Communities.
Course includes the examination of sociolinguistic theories and an introduction to culturally responsive teaching of literacy. Topics address social identity factors, ethnicity, language variation, bilingualism, and the acquisition of Standard American English with implications for effective literacy instruction. Prerequisite: 2.75 overall GPA. Junior classification required. Must be declared in a degree program that leads to teacher certification. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 4330. Teaching Reading/Language Arts in Middle School.
This course examines how the teaching of reading/language arts is informed by theory and research. In this course students will analyze the foundations of reading and language arts as disciplines, reading/language arts curricular issues, reading/language arts pedagogy, controversial issues in reading/language arts pedagogy, and the construction of conceptual, inquiry-based units. Prerequisites: Admittance to Educator Preparation Program; must be declared as seeking 4-8 grade teacher certification; junior or senior classification required; grades of "C" or better must be earned in all prerequisites; 2.75 Overall GPA required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RDG 4380. Independent Study in Reading Instruction.
Analysis and interpretation of selected topics of special interest in reading and language arts instruction. Topics and instructors will vary from semester to semester. Repeatable for credit with different emphasis. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

RDG 5310. Teaching Literacy with Children's and Young Adult Literature.
Course focuses on current research and methods for using children's and young adult literature, including multicultural literature for literacy instruction in grades EC-12. Students will explore different genres and evaluate and select literature for instruction across the curriculum.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5320. Foundations of Literacy Instruction.
Course surveys reading and writing theories, processes, and models; theoretical bases of literacy instruction, stages of literacy development; the relationship between oral language and literacy; and classic and current quantitative and qualitative literacy research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5322. Teaching Reading in the Elementary and Middle Schools.
Course focuses on effective literacy instruction in elementary and middle schools, including the following areas: word identification, spelling, word study, vocabulary instruction, comprehension strategy instruction, fluency, critical literacy, and engagement. The course examines reading curricula, instructional assessment, and selection of material.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5324. Developing Content Area Literacy in Middle and Secondary Schools.
Course examines literacy development in middle and secondary school content areas. Topics include classroom assessment, development of strategic literacy, fluency, critical thinking, lifelong attitudes, interests, study strategies, and literacy in multiple sources of narrative and information text ranging from textbooks to electronic texts. Prerequisite or corequisite: CI 5363.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5326. Developmental Literacy in the Middle and Secondary Schools.
Course focuses on effective literacy instruction for middle- and secondary-school students who struggle with literacy. The course also addresses reading curricula and instruction, assessment, and materials selection. RDG Majors, Minors, and MRT candidates only, or with permission of instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5331. Literacy Methods for Linguistically and Culturally Diverse Students.
Course topics include linguistic and literacy challenges unique to students whose native language or dialect is not standard English, and innovative methods for teaching literacy to linguistically and culturally diverse students. Prerequisite: Reading Majors - RDG 5322 or RDG 5324 or RDG 5326, all with a grade of "C" or better. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

RDG 5334. Family Literacy.
Family literacy is an intergenerational program that integrates adult literacy and emergent literacy education. This course will provide students with the knowledge and abilities to manage a family literacy program. Students will analyze related learning theories, population needs, program structures, and policy issues, including diversity and accountability.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5335. Basic Academic Literacy.
This course examines basic literacy needs and appropriate instructional strategies for traditional and non-traditional students entering college. Content covers basic to academic literacy, analysis of instructional strategies, comprehension, fluency, vocabulary, decoding, and phonemic awareness.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5340. Connecting Reading and Writing in the Classroom.
Course focuses on the relationships between reading and writing; the connections among written language, oral language, and thinking; and the organization of integrated reading and writing instruction in grades EC-12, including “workshop” techniques and thematic teaching. Prerequisite: RDG 5322 or RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5341. Writing Pedagogy in the P-12 Classroom.
In this course, students will examine theories, research, and practice in writing instruction in P-12 classrooms. Students will reflect on process and subsequently use this information for their own practice and instruction. They will also examine and develop standards, curricula, and policies at district, state, and national levels. Prerequisite: RDG 5340 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5345. Assessment-Driven Literacy Instruction.
Course focuses on classroom literacy assessment, interpretation of assessment results, and designing and implementing effective literacy instruction based on assessment results. Course concentrates on the special needs of individual readers within the classroom setting and includes interpretation of formal assessments. Prerequisite: RDG 5322 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5350. Literacy as Sociocultural Practice.
Using a social constructivist lens, this course examines broadening conceptions of literacy and what it means to be literate in the 21st century. Students learn about current research, theory and practice pertaining to sociocultural models of literacy and literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5370A. New Literacies.
Course is an in-depth study of research and theory pertaining to the New Literacy Studies (NLS). Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370B. Social, Cultural, and Political Contexts of Literacy Instruction.
This course explores implications of social, cultural, and political contexts for literacy instruction/policy. Students examine how literacy policies are created, shaped, and implemented and the impact of policies on how literacy is defined. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

RDG 5370C. Foundations of Integrated Reading & Writing Pedagogy.
The purpose of this course is to develop, explore and reflect on literacy as social practices within a community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5370D. Community Literacy.
The purpose of this course is to explore and reflect on literacy as social practices within a community, informing effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 5371. Foundations of Postsecondary Integrated Reading & Writing Pedagogy.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5372. New Literacies Studies in Developmental Education.
This course focuses on the research and instructional practice of New Literacies Studies for post-secondary developmental education. It includes an examination of diverse ways in which multiple digital technologies broaden and change the demands on those literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5374. Foundations of Postsecondary Developmental Reading and Writing Theory.
This course examines core theories of postsecondary literacy. Emphasis will be placed on historical, theoretical, and pedagogical models relevant to methods of teaching postsecondary developmental reading and writing.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5375. Postsecondary Developmental Reading and Writing Assessment.
This course examines the history, theory, research, policy, and practice related to reading and writing assessment at the postsecondary level. Students will survey various placement, diagnostic, informal, affective and non-cognitive, and exit-level measures.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5376. Postsecondary Disciplinary Literacies.
This course examines core principles of disciplinary literacy. Students will examine the theory, research and pedagogical practices of literacy across the disciplines with an emphasis on understanding the potential for postsecondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5380. Independent Study in Reading Research.
In-depth analysis and interpretation of selected research topics of great current interest in reading and language arts. Topics and instructors will vary from semester to semester. May be repeated with different topics for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 5381. Internship in Postsecondary Developmental Literacy Education.
This course is designed for students to gain experiences working in postsecondary developmental literacy contexts. Students must complete a one-semester, 150-hour internship at a site approved by their instructor and the site supervisor. Students develop an individualized learning plan and submit a comprehensive portfolio documenting their internship activities.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Credit/No Credit

RDG 5395. Teaching Academic Literacy to Adults.
Course focuses on teaching academic literacy to older students and adults in post-secondary settings. Topics include: the literacy needs of adult learners in formal schooling; appropriate assessment strategies; instructional methodologies, materials, and resources; and the school-based groups, schools, and agencies that serve these students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6330. Language Acquisition and Development for Literacy Instruction.
Course topics include first and second language learning; dialect acquisition and development; theories and stages of language development; language diversity; and language disorders. Students read and interpret research and study language development of EC-12 children from varying linguistic backgrounds. Prerequisites: RDG 5322, RDG 5320, and RDG 5324 or RDG 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 6333. Reading Specialist Internship II: Designing and Evaluating Literacy Professional Development.
Course will focus on using interpretations of assessment data, literacy research, and state/national assessment requirements to demonstrate leadership and design professional development for literacy assessment and instruction. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites/co-requisites: RDG 5310 and RDG 5320 and RDG 5322 and RDG 5326 and RDG 5331 and RDG 5340 and RDG 5345 and RDG 6330 and RDG 6336, all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 6336. Reading Specialist Internship I: Designing and Evaluating Literacy Research in Schools.
This course focuses on designing, conducting, and interpreting quality, school-based research to guide literacy instructional decision-making. Internship students will work in approved educational settings to demonstrate the roles of the Reading Specialist including literacy teacher, leader, coach, and researcher. Prerequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326. Corequisites: RDG 5310, RDG 5320, RDG 5322, and RDG 5326.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RDG 7301. Theory and Research of Literacy.
This course examines the current theories and basic research of literacy development from psychological, cultural, linguistic, educational, and epistemological frameworks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7302. Theory and Research of College Basic Literacy.
This course examines basic literacy needs and instructional strategies for students within post-secondary institutions. Explored are etiologies; comparison of basic to academic literacy; analysis of instructional strategies and materials for developing phonemic awareness, decoding, vocabulary, fluency, and comprehending in single sources of information. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7303. Theory and Research of College Academic Literacy.
This course examines basic literacy needs and instructional strategies for students in college. Explored are etiologies; comparison of academic workplace, and new literacies; instructional strategies and materials for developing vocabulary, comprehending, and critical and strategic reading in multiple sources of information. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7304. Theory and Research of Literacy Instruction for Culturally and Linguistically Diverse Readers.
This course examines the historical and contemporary understandings of language acquisition and instruction; foundational knowledge of literacy research and cultural and linguistic difference; instructional practices, including culturally responsive instruction, linguistic differences, and creating supportive literacy environments; curriculum, assessment, and evaluation; and critical literacy perspectives.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7305. Theory and Research of College Literacy Assessment.
This course reviews literacy assessment theory, research, policy, and practice in pre-school through grade 20 including accountability, standard-based curriculum, cultural and linguistic effects, assessment driven instruction, reliability and validity, interpretation, and types of instruments: high-staked, placement, diagnostic, classroom tests, and qualitative instruments. Prerequisites: RDG 7301, RDG 7302, RDG 7303.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7306. Literacy Research Seminar.
Doctoral students participate in weekly research seminar that explore research and policy papers in literacy and literacy education, examine their methodolgoy and conclusions, and consider additional research questions. Prerequisite: RDG 7301.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7307E. Theory, Research and Practice of Disciplinary Literacies.
This course examines core principles of disciplinary literacies. Students will examine the theory, research and pedagogical practices of literacies across the disciplines with an emphasis on understanding the potential for post-secondary learners and developmental education practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

RDG 7371. Theory and Research of Postsecondary Integrated Reading and Writing.
This course examines the theory, research, and practice of an integrated reading and writing approach to postsecondary literacy instruction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7372. Theory and Research of New Literacies Studies in Developmental Education.
This course focuses on the theory and research of New Literacies Studies which affects instructional practice in post-secondary developmental education. It includes an examination of diverse theories and models of multiple digital technology literacies necessary for communicating within the academic and workplace communities of the 21st century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RDG 7373. Community Literacies.
This course focuses on exploring, understanding, refining, and reflecting on literacy as social practices within a community that informs effective curriculum and instruction for K-16 school settings, adult literacy programs, and informal environments. Students will explore ethnographic research as a means to inform instruction and complete a service learning project. Prerequisite: RDG 7301 or RDG 7302 or RDG 7303 all with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Recreation (REC)

REC 1310. Introduction to Recreation and Leisure Services.
Introduction to recreation, includes brief historical backgrounds, professional opportunities, present status, past and present leaders. Role of leisure time in our social structure, professional responsibility, familiarization with current issues and trends, and professional literature. Lecture and field trips. A grade of "C" or better in this course is required to enroll in any upper division Recreational Administration courses.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHED 1336

REC 1330. Leisure and Outdoor Recreation.
This course provides students with an overview of the role the natural world plays in recreation and leisure services. The course will focus on values of outdoor recreation, adventure recreation, environmental impact, and the role of government in the provision and protection of outdoor recreation programs and resources.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 1370. Introduction to Therapeutic Recreation.
This course surveys history, philosophy, terminology and professional opportunities in therapeutic recreation. The role of leisure and therapeutic recreation in enhancing quality of life is explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 2330. Leadership in Recreation and Leisure Services.
Discussion of leadership theories and skill development for indoor-outdoor games and sports. Teaching activities to develop skill in programming various indoor/outdoor recreational settings.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

REC 2335. Recreation Program Development.
This course introduces students to basic principles and procedures for developing recreation programs that respond to human needs. This course provides students with opportunities to acquire and utilize recreation programming skills through practical application. Prerequisite: REC 1310 with a grade of "C" or better and REC 2330 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHED 1336

REC 2336. Directed Field Experience in Programming Recreation.
Students participate in programming and leadership with a selected recreation agency. Online learning modules and communications guide the work and professional reflections. Prerequisite: REC 2335 with a grade of "C" or better and a minimum 2.0 Texas State GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 2370. Practices and Interventions in Therapeutic Recreation.
Students engage in classroom content and service learning to develop knowledge and skills in facilitation techniques used in a variety of therapeutic recreation settings. Prerequisites: REC 1310 and REC 1370 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

REC 3325. Recreation Administration.
This course covers administrative practices relevant to entry-level professionals in the recreation industry. Topics include foundations of management, decision-making, planning, coordination of resources, and ethics in the public recreation sector. Prerequisite: REC 2335 with a grade of "C" or better and [MATH 1312 or MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471 or HON 2302A] with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 3335. Advanced Recreation Program Development.
Students will develop advanced program planning skills through the integration of theories and models of program development, consideration of diverse target markets, performing needs assessments, and planning for risk management issues. Students will apply these planning skills through an applied project. Prerequisite: REC 2335 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REC 3340. Design and Maintenance of Recreational Facilities.
Introduce theories and provide practical experience in the design, development, operation, maintenance, administration of various recreational facilities. Prerequisite: REC 2335 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

REC 3351. Evaluation of Leisure Service Programming.
Methods, techniques and application of the evaluation process related to a wide variety of leisure service functions: clientele and prospective participants, programs, personnel, facilities, organizations and literature. Prerequisite: REC 2335 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REC 3370. Assessment and Documentation in Therapeutic Recreation.
This course introduces students to selecting, utilizing, and interpreting assessment instruments, and to the processes used to document assessment results and client progress used in therapeutic recreation practice. Prerequisite: REC 1370 with a grade of "C" or better and HIM 2360 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4320. Therapeutic Recreation and People with Psychiatric Conditions.
Students will gain a theoretical and practical foundation for applying the therapeutic recreation process with persons with psychiatric conditions. Focus will be on the development of skills necessary to implement evidence-based interventions aimed at behavior change. Prerequisites: PSY 3300 and PSY 3315 and REC 1370 and REC 2370 and REC 3370 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4330. Entrepreneurial Recreation Management.
This course provides a study of the scope and the entrepreneurial management of leisure services. The focus will be on financial management related to profit centers including planning, legal liability, record keeping, and revenue management. Prerequisite: REC 2335 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4335. Outdoor Recreation Programming.
Students apply principles and procedures for developing and leading recreation programs in a variety of specialized, outdoor environments. Students will demonstrate competencies for Leave No Trace certification. Course is taught in cooperation with the Texas State University–Outdoor Center. Prerequisites: REC 1330 and REC 2335 both with grades of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4337. Independent Study in Recreation Administration.
This course consists of individual study related to recreation administration under direct supervision of a faculty member. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REC 4350. Theories and Methods of Supervision in Recreation and Leisure Services.
This course presents theories and methods relating to recruitment, selecting, hiring, training, disciplining, and discharging employees. This course also addresses legal issues related to personnel supervision. Prerequisite: REC 2335 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4370. Principles of Therapeutic Recreation.
This course will cover the principles of therapeutic recreation services including comprehensive program planning, administrative processes, and issues related to professionalism. Prerequisites: REC 2370 and REC 3370 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4380. Seminar in Recreation.
This capstone seminar addresses trends in leisure services. Emphasis is on the interactional effects of diverse services, consumers, and environments. Taken in the fall or spring semester immediately preceding enrollment in REC 4680 or REC 4681. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REC 4680. Internship in Recreation Administration.
This internship involves full time work (minimum 400 hours) during which a student will complete administrative tasks in an approved parks and recreation agency. The work is co-supervised by faculty and an agency representative trained in the recreation field. Prerequisites: REC 2336 and REC 3325 and REC 4380 all with grades of "C" or better and a minimum 2.25 major GPA.
6 Credit Hours. 0 Lecture Contact Hours. 30 Lab Contact Hours.
Grade Mode: Standard Letter

REC 4681. Internship in Therapeutic Recreation.
This internship involves experiential learning over a long semester during which a student will work fulltime (a minimum of 560 hours) in a therapeutic recreation setting under direct professional supervision by a CTRS and faculty member with CTRS credentials. Prerequisites: REC 1310 and REC 1370 and REC 2335 and REC 2336 and REC 2370 and REC 3325 and REC 3370 and REC 4320 and REC 4370 and REC 4380 all with grades of "C" or better and a minimum 2.25 major GPA.
6 Credit Hours. 0 Lecture Contact Hours. 35 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5199B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5299B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5310. Philosophical Foundations of Recreation & Leisure Services.
To introduce and explore the meanings of leisure, leisure behavior, and leisure services from historical, philosophical, sociological, and political perspectives. Students will develop a philosophical view of leisure based on exploration of the history of leisure and the leisure profession as well as consideration of the nature of the individual and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5318E. Physical environment, life and leisure I: Built public spaces and the leisure experience.
The physical environment is not only a container of human action, it is also itself experienced by people. This course will examine how the human-made environment is a source of meaning and experience and suggest, consequently, how it can be modeled to facilitate preferences by users. Open to non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

REC 5318L. Outdoor Recreation Leadership and Administration.
Students will become knowledgeable of the theoretical foundations of outdoor and adventure recreation programming and sustainable ecotourism. Principles and procedures for developing and leading recreation programs in a variety of specialized, outdoor environments will be studied. Leave No Trace competency and outdoor skills will be analyzed and demonstrated in outdoor settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

REC 5318M. Programming for Active Older Adults.
Individuals who work in leisure and aging focus on enhancing the quality of life for individuals aged 55 and over. The population of persons over the age of 65 is growing rapidly and in the US the 'older adult' population now includes members from three distinct age cohort group.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

REC 5321. Issues and Trends in Recreation and Leisure Services.
A seminar style course where students investigate current events on the provision of services. This course will address that need.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5325. Philosophical Foundations of Therapeutic Recreation.
Course examines the history, theory, and philosophy of therapeutic recreation such as service models, standards, and legislation. The use of therapeutic recreation in supporting the attainment and maintenance of well-being of people with differing characteristics and abilities is explored in a variety of service settings. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5326. Advanced Practices and Interventions in Therapeutic Recreation.
This course provides an in-depth examination of the therapeutic recreation process with a focus on planning and implementation of individualized services and supports for persons with disabling conditions. Therapeutic recreation practice concepts of interventions, modalities, instruction, leadership, supervision, and leisure counseling are explored. Prerequisite: REC 5325 with a grade of "C" or better. Corequisite: REC 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5327. Advanced Assessment and Documentation in Therapeutic Recreation.
This course provides an in-depth examination of the assessment and documentation phases of the therapeutic recreation process. Students will administer, score, interpret, and report standardized and specialized assessment instruments and documentation methods. Prerequisite: REC 5325 with a grade of "C" or better. Corequisite: REC 5326.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5328. Advanced Principles of Therapeutic Recreation.
In this course students apply advanced principles of therapeutic recreation related to persons with psychological disorders and physical disabilities. The course engages students in advanced case study design and implementation of treatment plan utilizing a transdisciplinary approach to rehabilitation. Prerequisites: REC 5326 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5329. Therapeutic Recreation in Psychiatric Settings.
This course provides for the application of the therapeutic recreation process through case study development within a variety of service settings. Particular emphasis is on treatment modalities and techniques applicable to group interventions. Prerequisite: REC 5326 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5330. Organizational Leadership in Recreation and Leisure Services.
This course provides an exploration of management issues within recreation administration with an emphasis on the role of the leader as a conduit for effectiveness. Content will include theories and philosophies, processes, accountability, strategic planning, and conflict resolution applications.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5337. Independent Study in Recreational Administration.
Individual study related to recreational administration under direct supervision of a faculty member. May be repeated for additional credit at the discretion of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5338. Internship in Therapeutic Recreation.
This course provides students the opportunity to complete an intensive, on-site internship under the supervision of a nationally Certified Therapeutic Recreation Specialist. Students will complete 560 hours in a therapeutic recreation setting. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5340. Social Psychology of Recreation and Leisure.
To provide an introduction and overview of the personal, social and social-psychological contexts of leisure; utilizing current literature the course will focus on examining leisure and recreation behavior from psychological, sociological and social-psychological constructs that are contributing to a contemporary, interdisciplinary understanding of the leisure phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5346. Literature and Research.
Directed reading, reports, and discussions of the current literature in the field of education, a critical analysis of research techniques and the locations and securing of information, together with the steps necessary to the solution of research problems in this field.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5350. Legal and Ethical Issues in Recreation and Leisure Services.
A seminar style course that focuses on legal and ethical issues related to recreation and leisure services. Tort law, participant rights, accessibility, credentialing, and others are topics to be addressed in this course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5360. Applications of Finance & Marketing in Recreation.
This course is a study of financial and marketing concepts, principles, and techniques as they relate to recreation and leisure delivery systems. These include full cost accounting, pricing, financial management, distribution, promotional techniques, marketing plans, alternative funding and proposals. Prerequisite: REC 5380 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5380. Administering Leisure Delivery Systems.
This course content provides students with program development and administration tools developed and tested within the recreation industry. Topics may include the exploration of programming and organizational theory, administrative processes, and the application of the organizational principles to the recreation service delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5381. Outdoor Program Leadership and Administration.
Within the role of leadership and administration, students will become knowledgeable in the theoretical foundations of outdoor programs, adventure programming, and wilderness travel. The history of thought surrounding natural places and outdoor recreation will be examined throughout the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REC 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in REC 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5399B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5599B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

REC 5999B. Thesis.
This course represents a student's continued thesis enrollment. No thesis credit is awarded until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Religion (REL)

REL 1300. World Religions.
This course will be a survey and comparative study of the major religions of the world including Judaism, Christianity, Islam, Hinduism, Buddhism, Taoism, Confucianism, and the Indigenous Religions. Recommended as an entry course for religion minors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: PHIL 1304

REL 2310. Introduction to the Hebrew Bible.
An introduction to the contemporary academic study of the Hebrew Bible ("Old Testament") and related Near Eastern and Second Temple Jewish literature. Representative texts will be examined using the historical and literary methods of scholarship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REL 2315. Introduction to the New Testament.
An introduction to the contemporary academic study of the New Testament, including apocryphal and post-canonical works. Representative texts will be examined using the historical and literary methods of scholarship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REL 2321. Founders, Prophets and Saints.
Critical analysis of the life, works, and thought of a major religious figure, e.g., Jesus, Paul, Luther, St. Teresa, Maimonides, the Baal Shem Tov, Mohammad, al-Ghazzali, Rumi, Buddha, Gandhi. May be repeated for credit. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REL 2350. Mediterranean and European Religions.
This course is a survey of religions that originated in the Near East, Mediterranean, and Europe, with emphasis on the ancient to medieval periods. The course includes Judaism, Christianity, and Islam, in the contexts of Egyptian, Persian, Greco-Roman, and old European traditions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

REL 2360. Asian Religious Traditions.
This course is a survey of the major religious traditions originating in Asia: Hinduism, Buddhism, Taoism, and others. Basic doctrines and practices will be covered in an historical framework. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 3320. Judaism.
This course surveys the history, practices, core texts, and major movements of Rabbinic Judaism, from the destruction of the Second Temple to the contemporary global scene. Some attention is also given to earlier Israelite religion, dissident movements, mysticism, and Jewish communities beyond the Euro-American zone.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 3330. Religious Controversy in America.
Students in this course will analyze religious controversies and crises in America from the colonies to the present in order to interpret the role of religion in American history, culture, law, and politics. Topics include the Salem Witch Trials, the Jim Jones massacre, and Ten Commandments monuments on government propoerty. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REL 3335. Cults and New Religious Movements.
This course will investigate New Religious Movements (NRMs) primarily within the contemporary American context. Controversial and emerging religions can be approached from many angles. Accordingly, the course will introduce students to a variety of theoretical perspectives and approaches for studying NRMs. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REL 3340. Religion, Literature, and the Arts.
The course features a thematic selection of literary and artistic works in order to examine the connections and disconnections between the aesthetic and religious aspects of human culture. May be taken twice for credit with different topics. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REL 3342. The Homeric Epic: The Illiad and the Odyssey.
A close reading of the Iliad and the Odyssey in English translation, with emphasis on philosophical and religious issues. Prominent topics include the gods, religious rituals, heroic ethics, and the human condition. The course also considers the concept of a classic in religion and literature. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

REL 3361A. Religion and Film.
This course examines how religions are reflected in film and how films have taken on some of the functions of religion. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

REL 3361B. Mysticism.
This course explores the dimension of mysticism that pervades both Western and Eastern religious traditions. We will analyze the nature of mystical experiences through a study of key figures and texts, and examine its peculiar relationship to language, arts, and human subjectivity and its place in the wider social context. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

REL 3361C. Philosophical Issues in Judaism, Christianity, and Islam.
This course provides a comparative perspective on philosophical issues that arise in Judaism, Christianity, and Islam, including the nature of God, reason and revelation, and religious ethics. Readings will draw on both classical and contemporary sources. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

REL 3370. Mythology and Cosmology.
This course examines human efforts to address questions of cosmic origins, with a global, comparative survey of cosmogonic (creation) myths and a historical approach to modern cosmology. It examines the features and functions of mythopoetic and scientific thought, and reflects philosophically on questions of origin and meaning. May be taken twice for credit with different topics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

REL 3372. Apocalypticism.
An historical-cultural survey of end-of-the-world literature, art, and thought in Western Civilization, from ancient Judaism and Christianity to the present. Historical and scientific methods provide the framework for this course. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 3381. The Philosophical and Spiritual Heritage of India.
Indian philosophers predominantly present a spiritual, multi-dimensional outlook on the nature of reality and human consciousness; they combine reason, experience, yoga and meditation as methods of inquiry. This course will explore Indian spiritual philosophy from the time of the ancient Vedas to the contribution of modern sages. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 3383. An Introduction to Chinese Religions.
This course examines the religious history of China from 3000 BCE to the present-day. It will cover beliefs, practices, and histories of the four major religious communities in China—Buddhism, Daoism, Confucianism, and "Popular Religion"—as well as expressions of minority religions in China such as Islam and Christianity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 3385. Buddhism.
This course surveys the main ideas, myths, symbols and practices of the diverse forms of Buddhism. Students will also get acquainted with the manner in which Buddhist perspectives have influenced social values and arts in the South East and East Asian cultures. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 3386. Principles of Yoga.
This course is an in-depth study of the principles and major texts of yoga. We explore the yogic conception of the mind and the body and how it relates to psychoanalytic and neuroscientific frameworks. We also examine the parallels between the discipline of yoga and practices in other religious traditions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 4300. Advanced Methods in Religious Studies.
This course provides a rigorous grounding in the intellectual tradition of academic religious studies. It includes the major theorists and a sustained examination of the problem of method. This course is strongly urged for RS minors and students intending graduate work in the field. Prerequisite: ANTH 3305 or ANTH 3322 or ANTH 3326 or ANTH 3332 or ANTH 3349 or ANTH 4320 or ARTH 2301 or ARTH 2302 or ENG 3329 or HIST 3312 any with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

REL 4388. Problems in Religion.
Independent study of specific topics in religion. Open to students on an individual or small group basis. May be repeated for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

REL 5300. Advanced Methods in Religious Studies.
This course provides a rigorous grounding in the intellectual tradition of academic religious studies. It includes the major theorists and a sustained examination of the problem of method. The graduate course prepares students to position themselves within the field, construct robust research questions, and apply appropriate methods in their scholarship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

REL 5365. Philosophical Issues in Judaism, Christianity, and Islam.
A comparative perspective on philosophical issues that arise in Judaism, Christianity, and Islam, including the nature of God, reason and revelation, and religious ethics. Readings will draw on both classical and contemporary sources, in dialogue with the secondary literature and methological issues in religious studies. Prerequisite: PHIL 4300 or PHIL 5300 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

REL 5388. Independent Study.
Independent graduate study of topics in religious studies. Only available with approval of a faculty member. Topics vary. Repeatable for credit with different topics and instructors. Permission of instructor required to enroll. Prerequisite: REL 4300 or REL 5300 either with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Respiratory Care (RC)

RC 2213. Introduction to Respiratory Care.
This course offers an in-depth overview of the respiratory care profession to acquaint the student with the responsibilities of the respiratory therapist as part of healthcare team. Progression of the profession, career opportunities, past and future impact of profession on patient recovery and health maintenance, and medical gas therapy will be covered.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3112. Pharmacology.
A comprehensive study of pharmacology principles. Receptor theory, clinical applications of medications, and historical analysis of first-generation medications will be covered. Current medication trends and recommendations are also examined.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3125. Pulmonary Function Testing.
This course examines the most common pulmonary function tests, their techniques, and the pathohysiology that may be evaluated by each test. Pulmonary function equipment, calibration, and the American Thoracic Society guidelines will be discussed. Laboratory practice of performing the tests will be provided to develop skills for testing patients.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3313. RC Clinical Practice I.
This course provides an introduction to respiratory care clinical skills, including vital signs, chest assessment, infection control, aerosolized medication delivery, oxygen therapy, hyperinflation therapy, and airway clearance. This course prepares the student for direct patient care to be performed in more advanced courses. Direct patient care is performed under close supervision.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3314. Respiratory Care Instrumentation.
Through lectures and lab exercises, students are acquainted with concepts of design, function, and operation of basic respiratory care equipment. Oxygen cylinders, regulators, flowmeters, oxygen analyzers, oximeters, oxygen adjuncts, humidifiers, nebulizers, airways, and pressure cycled ventilators will be covered. The course also covers respiratory pharmacology, decontamination of equipment, and arrhythmia recognition.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3315. Cardiopulmonary - Renal Anatomy & Physiology.
This course provides an in-depth human gross anatomy study of the cardiac, respiratory, and renal systems. Clinical application of pulmonary anatomy and physiology will also be explored.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3316. Fundamentals of Respiratory Care.
This course provides a study of theories and modalities utilized in delivering, monitoring, and evaluating basic respiratory therapeutics to patients with compromised respiratory function in various healthcare settings. Aspects of artificial ventilation, arterial blood gas analysis, lung volume diagnostics, and hyperinflation intervention will be covered in patient scenarios.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3321. Cardiopulmonary Pathology.
As an introduction to the assessment, treatment, and pathophysiology of respiratory diseases, this course focuses on the signs, symptoms, etiology, pathophysiology, diagnosis and treatment of selected diseases. Utilizing clinical simulation software to develop critical thinking regarding assessment, diagnostic data gathering. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RC 3322. Critical Care Concepts.
This course provides students with an in-depth study of selected respiratory care techniques with an emphasis on the care of critically ill patients. Critical skills and knowledge of mechanical ventilation, bedside diagnostic techniques, patient monitoring, and rehabilitation are explored in the critical care setting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3323. RC Clinical Practice II.
Students perform clinical procedures and interact with patients and professional personnel in a healthcare institution under the supervision of a respiratory therapist. Students gain direct patient care experience as presented in medical/surgical and pediatric clinical situations. Preparatory instruction is provided for mechanical ventilation and other critical care procedures.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3324. Critical Care Instrumentation.
A comprehensive study of advanced equipment and technology utilized in the critical care, homecare, pulmonary rehabilitation and blood gas lab settings. Lectures and class activities will detail hardware for hemodynamic monitoring, supplemental oxygen administration, noninvasive monitoring, blood gas measurement, quality control and assurance and mechanical ventilator concepts.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3332. Hemodynamics.
This course is an advanced study of cardiovascular hemodynamic measurements. Normal cardiovascular physiology and measures are examined, as well as variations caused by disease. Current clinical trends and practices in hemodynamic procedures are also explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3333. RC Clinical Practice III.
A supervised clinical education experience in which the student administers advanced respiratory therapeutics to patients in the adult critical care setting. Diagnostic and monitoring procedures, including arterial blood gases, bedside physiologic monitoring, airway care, advanced pulmonary function testing, ventilator management will be performed according to physician orders.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3334. Neonatal Respiratory Care.
An in-depth study of neonatal utero development, fetal lung development, fetal circulation, and cardiovascular changes at birth. Neonatal respiratory emergencies, neonatal respiratory diseases and management, congenital defects, and respiratory care procedures specific to the neonate will be discussed. A specific emphasis on neonatal mechanical ventilation will be included.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

RC 3335. RC Clinical Practice IV.
This course provides an advanced clinical education experience in respiratory therapeutics on patients in the adult critical care setting. Appropriate clinical expectations include experience in arterial blood gas procurement and measurement, bedside physiologic monitoring, airway care, and monitoring of mechanical ventilation in the intensive care unit.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4211. Respiratory Care Research.
This course provides an introduction to applied experimental design, research ethics, and data analysis focusing on the respiratory care profession. Students will participate in each step the research process from developing a personal research hypothesis and research design through IRB submission. Prerequisite: HP 3302 or equivalent.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

RC 4216. Disease Management.
The course offers an in-depth description of common therapeutic modalities and treatment protocols used to offset the anatomic alterations and pathophysiologic mechanisms activated by selected disorders. Students will develop an understanding of how therapies work to offset the anatomic alterations of lungs caused by disease. Prerequisite: Instructor approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4221. Leadership and Management for Respiratory Care Professionals.
This course is designed to comprehensively examine the dynamic evolution of respiratory care as a profession. The role of the respiratory care professional in the areas of leadership, management, and professional ethics will be explored with regards to the profession's impact on legislation, regulation, and politics. (WI).
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RC 4223. ICU Internship.
Through affiliations with agencies, hospitals and selected treatment centers, the student interns in the intensive care setting by providing patient care and administering critical care therapeutics. Analysis and clinical application of advanced ventilator care of patients is emphasized along with patient care diagnostics and management in the ICU.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Grade Mode: Credit/No Credit

RC 4224. Research Seminar.
A study of the research process from a review of research design to methodology implementation including data collection, statistical analysis, and presentation of a research proposal on a topic in the respiratory care discipline. The course provides direct research experience culminating in a research paper and presentation. Prerequisite: RC 4211 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

RC 4225. Specialization Internship.
This course provides the student with an internship opportunity to gain clinical experience in sub-specialty areas including pediatrics, adult intensive care, neonatal intensive care, pulmonary function testing, home care/durable medical equipment, subacute care, pulmonary rehabilitation, polysomnography, education, and research. Specific specialty offerings will be based on clinical availability.
2 Credit Hours. 0 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

RC 4309. Pulmonary Diagnostics.
The course examines various pulmonary diagnostic techniques and the pathophysiology associated with each diagnostic measurement in disease management and clinical research. The course will provide an in-depth presentation of clinical indications for various diagnostic analyses including the ethical responsibilities associated with clinical research. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4311. Interdisciplinary Healthcare.
This course introduces the respiratory care student to the role that respiratory therapists play within the interdisciplinary healthcare team. The course will allow students to gain experience in developing and applying strategies to improve patient outcomes through the inclusion of the respiratory therapist with various appropriate healthcare disciplines. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RC 4312. Critical Care Clinical Simulation.
Students will analyze concept review in preparation for national board examinations and evidence-based care. Classroom and laboratory instruction will demonstrate cumulative review of the Therapist Multiple Choice and the Clinical Simulation Examination national board exams. Clinical simulation case studies will be assessed reflecting real-life patient scenarios.
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4314. Advanced Ventilator Concepts.
This course provides an in-depth study of specific adult mechanical ventilators addressing traditional and proposed ventilator classification, various methods of operation, parameter interrelationships and ventilator patient monitoring. Lectures and class activities will focus on ventilator analysis of several contemporary volume-, time-, pressure- and flow-cycled ventilators with advanced graphics interpretation required.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4316. RC Clinical Practice IV.
This course provides an advanced intensive care clinical education requiring students to monitor and administer critical care therapeutics on assigned patients in the adult and neonatal critical care setting. Cardiopulmonary diagnostic experience will be gained through arterial blood gas and co-oximetry assessment with ventilator graphic analysis.
3 Credit Hours. 0 Lecture Contact Hours. 16 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4317. Pulmonary Rehabilitation.
This course is designed to introduce students to the medical, ethical, and insurance reimbursement issues of pulmonary rehabilitation, homecare, and sleep diagnostic facilities. The role of therapists in case management, treatment requirements, and discharge planning along with the impact of legislation, regulations, and politics will be explored.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4318. Independent Study in Respiratory Care.
This course provides the student an in-depth study on a topic or healthcare problem impacting respiratory care. The course may be repeated for credit with a different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

RC 4322. RC Practitioner Seminar.
Students will research and present selected case studies by students to physicians, therapists, and colleagues. Presentations will emphasize total patient management with etiology, symptoms, pathophysiology, diagnosis, and treatment of specific diseases including asthma, pulmonary embolism, CHF, COPD, ARDS, neurologic diseases, inhalational injury, pneumonia, sleep disordered breathing, AIDS, and drug overdose. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RC 4324. Sleep Medicine and Polysomnography.
This course introduces the respiratory care student to sleep medicine and polysomnography. The course will present topics on sleep stages, sleep architecture, and sleep disorders. Basic and advanced treatment options of selected sleep disorders will be discussed. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4333. Neonatal Critical Care.
This course will provide the Respiratory Care student with advanced knowledge on the management of the neonatal patient in the critical care environment. The course will expose the student to advanced therapeutics and mechanical ventilation strategies. Course content will prepare the student for the role of neonatal specialist. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 4334. Adult Critical Care.
This course provides professional enrichment for practitioners with a conceptual foundation for adult critical care medicine. The course will provide an in-depth presentation of advanced respiratory therapy therapeutics and procedures caring for adults in the intensive care unit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

RC 5211. Polysomnography Instrumentation.
Designed to teach the function, operation, and design of electroneurodiagnostic equipment. Monitoring devices, electrode application, and patient connection will be covered in detail. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5214. Sleep Staging and Diagnostics.
Advanced study of waveform characteristics and montage development, filters, and PSG electronics. Signal pathways, reference electrodes, impedance checking and filter settings in calibration waves will be covered. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5215. Clinical Polysomnography-Sleep Staging.
Advanced clinical education in sleep staging rules, light, delta and REM sleep scoring and analysis. EEG, EMG, ECG and respiratory events will be discussed in depth and are components of the polysomnogram report. A research project and presentation will be assigned by the faculty. Prerequisite: Instructor approval.
2 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5301. Advanced Cardiopulmonary Physiology.
An in-depth study of cardiovascular and respiratory physiology. This course investigates pathologic physiological changes, adaptive mechanisms, and interrelationships of the cardiopulmonary systems. Students will apply advanced cardiopulmonary physiology to the management of patients requiring respiratory care services.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5302. Clinical Practice Guidelines and Respiratory Care Protocols.
An examination of the roles of clinical practice guidelines and protocols in the continuum of patient care. Analysis of the development, modification, initiation, and evaluation of patient outcomes will be covered. Barriers to protocol practice and strategies for implementation will be explored. Evidence-based outcomes will be summarized through literature reviews.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5303. Respiratory Care Research Methods and Design.
Provides an in-depth study of medical research including evaluation of published, peer-reviewed research designs. Students examine research articles and evaluate evidence-based research findings. Topics include: research ethics, sampling and research design, test statistics, conclusions, and practical verses statistical significance. Students will explore research protocol development, research proposals, and project management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5304. Cardiopulmonary Disease Patient Education.
A comprehensive study of patient education and self-management of cardiopulmonary disease exacerbations including disease information, prevention and treatment. Programs for patient self-assessment , treatment efficiency, adjustment of drug regimen, behavior modification, and nicotine addiction will be examined. Methods for documenting outcomes and patient behavior modification will be covered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5305. Respiratory Care Applied Research.
This course offers an opportunity to apply research methods and design concepts. Students will design and submit a research proposal to the Texas State University's Institutional Review Board (IRB) for approval. Prerequisite: RC 5303 with a grade of "B" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5306. Academic Leadership in Respiratory Care.
Introduction to the foundations necessary to build a strong understanding of academic administration, fiscal planning, curriculum development, and outcomes assessment for respiratory therapist programs. Topics include preparation of annual accreditation reports, organization of clinical practice rotations, the role of advisory committees, and integration of didactic, laboratory, and clinical experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5307. Advanced Respiratory Care Seminar.
In-depth discussion of topics related to current issues and trends in the profession and the impact on patient care services. Includes journal review, group discussion, project development, and online presentation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5308. Advanced Cardiopulmonary Diagnostics and Therapeutics.
An overview of advanced cardiopulmonary diagnostic and therapeutic procedures addressing selected disorders including asthma, chronic obstructive lung diseases, restrictive lung diseases, pulmonary edema, congestive heart failure, and cardiac disorders. International disease standards and classifications established by the World Health Organization with appropriate treatment protocols will be discussed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RC 5310. Fundamentals of Polysomnography.
Introduction to the physiology of sleep, including sleep neurology, sleep architecture, and classification of sleep disorders. Review of basic cardiac physiology and ECG arrhythmia recognition. Sleep pathologies will be discussed according to etiology, pathophysiology, symptoms, diagnosis, treatment, and prognosis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

RC 5313. Polysomnographic Therapeutic Intervention.
In-depth study of the treatments available for sleep apnea including, CPAP, BiPAP, oxygen therapy, patient adjunctive fitting, surgical intervention, and the role of the sleep tech in titration. Special attention will be given to titration algorithms, nocturnal seizure disorder studies, REM behavior disorder studies, MSLT's, and MTW's. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Russian (RUSS)

RUSS 1410. Beginning Russian I.
This course is an introduction to listening, speaking, reading, and writing skills within a Russian cultural framework.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RUSS 1420. Beginning Russian II.
This course provides continued instruction and practice in listening, speaking, reading, and writing skills within a Russian cultural framework. Prerequisite: RUSS 1410 with a grade of "D" or better.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter

RUSS 2310. Intermediate Russian I.
This course provides continued development and review of all language skills within a Russian framework. Prerequisite: RUSS 1420 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RUSS 2320. Intermediate Russian II.
This course provides more advanced practice in all language skills with greater emphasis on reading within a Russian cultural framework. Prerequisite: RUSS 2310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

RUSS 4390. Studies in Russian Language and Culture.
Students will conduct independent study projects in Russian language and culture. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

School Psychology (SPSY)

SPSY 5178. Independent Study.
This course includes individual problems or research topics designed to place emphasis on selected areas of study. It may be repeated for additional credit at the discretion of the department chair.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPSY 5300. Interviewing, Counseling, and Consulting in School Psychology.
This course includes acquisition of skills for conducting interviews, counseling, consulting, and collaborating with children, adolescents, and adults. The emphasis is upon the development of basic communication skills that can be applied by the school psychologist in a variety of multicultural contexts, with an emphasis on family-school collaboration.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5355. Assessment of Culturally and Linguistically Diverse Students.
This course will focus on the psychoeducational assessment of students from culturally and linguistically diverse backgrounds for purposes of special education eligibility and for instructional decision making. A major emphasis is placed on learning nonbiased assessment methods and procedures to assess language proficiency, intelligence, academic skills and personality-behavioral functioning. Restricted to students in the School Psychology SSP Program. Prerequisite: SPSY 5394 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5356. Psycholinguistics of Second Language Acquisition.
This course will focus on the linguistic and psycholinguistic underpinnings of the bilingual brain. It will provide a comprehensive introduction to the foundations of bilingualism, covering language processing, and language acquisition. Topics will include simultaneous and sequential bilingualism, language selection and switching, cognitive consequences of bilingualism, and the bilingual brain. Prerequisite: SPSY 5355 and SPSY 5394 both with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5376. Psychoeducational Assessment.
This course focuses on the administration, scoring, and interpretation of individually administered standardized tests of intelligence, special abilities, and achievement. The theoretical and statistical bases of the tests used, integrative report writing, and learning disabilities are also covered. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5377. Social, Emotional, and Behavioral Assessment.
This course covers the evaluation of personality, mental status, and behavior. This includes the theoretical bases, construction, administration, scoring, and interpretation of structured and projective personality tests with integrative report writing emphasizing the assessment of emotional disturbance and behavior disorders. Prerequisites: PSY 5376 or its equivalent, with a grade of "C" or better, graduate standing, and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5378. Problems - School Psychology.
This course includes individual problems not related to thesis or research problems. It is designed to place emphasis on selected areas of study. It may be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5379. Child and Adolescent Psychopathology: Advanced Assessment and Interventions.
This course includes the advanced investigation of personality dynamics and diagnosis of psychopathology through advanced projective techniques and structured instruments. Students practice comprehensive report writing emphasizing intervention recommendations. Prerequisites: PSY 5376 and PSY 5377, or the equivalents, all with a grade of "C" or better, graduate standing, and consent of the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5380. Individual and Group Counseling Techniques for School Psychology.
This course focuses on the acquisition and practice of techniques used in counseling interventions with children and adolescents in school settings. Individual and group counseling techniques are emphasized, along with a review and refinement of techniques for interviewing and consulting with parents. Prerequisite: COUN 5307 and COUN 5368 and SPSY 5300 all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5382. Program Evaluation in School Psychology.
This course introduces the theory and techniques of program evaluation with an emphasis on K-12 educational settings. It includes program evaluation conceptualization, planning, implementation, methodological and ethical issues, and analyzing and reporting results. Emphasis is placed on experimental and quasi-experimental methods commonly used in the evaluation of educational programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5385. Ethics, Standards, and Procedures in Professional School Psychology.
This course includes the presentation of historical foundations, role and functions, and procedures used by psychologists in the school setting. Emphasis includes ethical and legal issues, professional standards, state and federal law, and organization and operation of the schools as applied to the mental health and education of exceptional learners.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5386. Consultation and Professional Issues in School Psychology.
This course presents models of consultation as they apply to the professional development and ethical position of the school psychologist. The course emphasizes the consultative role in relation to school administrators, guidance and counseling personnel, teachers, parents, students, and referral sources. Prerequisite: SPSY 5300 and SPSY 5385 both with grades of "C" or better. Corequisite: SPSY 5389 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5387. Data-Based Decision-Making in Evaluation and Intervention.
This course covers advanced techniques for assessment of special populations, including early childhood, and integration of information from a variety of sources for the development of educational interventions. A problem solving approach that focuses on linking evaluation and intervention processes will be utilized throughout the course. Prerequisite: SPSY 5376 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5388. Psychometrics for School Psychologists.
This course includes theoretical and empirical aspects of psychological measurement, scale development and testing for school psychologists. Topics include the statistical foundations of psychological measurement; stimulus and response-based measurement; social, legal, and ethical implications of testing; test and item bias; score reliability and validity; factor analysis; generalizability theory; and item response theory.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5389. Practicum in School Psychology.
Three practicum experiences occur in a school or agency setting with supervision by on-site and university supervisor. This course must be repeated for a total of nine credit hours. Prerequisite: SPSY 5376 and SPSY 5385 both with grades of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPSY 5391. Research Seminar.
This course provides students with knowledge of the nature and techniques of social science research. Students will develop research literacy through critical reading and examination of both quantitative and qualitative research. Additional emphasis is given to the relationship and application of science to professional practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPSY 5394. Multicultural Issues in School Psychology.
The course provides a broad overview of the psychosocial, psychoeducational and multicultural issues surrounding the delivery of psychoeducational services to students in school systems. The course will help the student develop cross-cultural sensitivity when conducting assessments, providing consultation and performing other interventions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5395. Basic Psychopharmacology.
This course introduces knowledge of psychopharmacology with children and adolescents, including brain-behavior relationships, psychopathology, and research methods, with application to childhood disorders for which medication is often prescribed. Emphasis is placed on informed consultation with parents, teachers, and medical professionals regarding children prescribed psychotropic medications. Prerequisite: SPSY 5300 and SPSY 5376 and SPSY 5377 and SPSY 5382 and SPSY 5385 all with grades of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5396. Biological Bases of Behavior.
This course covers atypical disorders of brain development or function, particularly those likely to be encountered in the practice of school psychology. It includes an overview of neuropsychological and other tests with emphasis on development of a comprehensive assessment and intervention model through interpretation and critique or case studies. Prerequisite: SPSY 5376 and SPSY 5377 both with grades of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5398. Alternative Evaluation, Intervention, and Student Outcomes.
This course introduces students to the practice of curriculum based assessment in the context of a problem solving model of psychological services in the schools. Lectures, assignments, and activities develop competencies in the areas of non-traditional assessment, development of academic interventions, and the evaluation of student outcomes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPSY 5399A. Crisis Prevention, Intervention, and Response in the Schools.
This course provides core knowledge related to fostering school safety and healthy learning environments, preventing school violence, preparing for crisis events that may impact the school community, and responding to school crises. It emphasizes research that informs best practices and provides information to promote leadership on school safety teams.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPSY 6301. Professional Internship in School Psychology.
Professional internship may be a continuation of the supervised school based experience or a placement in an appropriate alternative setting with supervision by a licensed psychologist. A minimum of 600 clock hours of experience is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPSY 6302. Professional Internship in School Psychology.
Professional internship may be a continuation of the supervised school based experience or a placement in an appropriate alternative setting with supervision by a licensed psychologist. A minimum of 600 clock hours of experience is required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Social Work (SOWK)

SOWK 1350. Introduction to Social Work.
This introductory survey course includes the nature, function, and various types of social work practice, acquainting the student with the history, scope, and values of the profession.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SOCW 2361

SOWK 2320. Love and Relationships.
This elective course explores the nature of attraction, friendship, love, and human sexuality, enabling students to enhance their own personal and professional relationships.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 2375. Social Services in the Community.
This undergraduate course introduces the organizations and policies involved in social services delivery. Students participate in 50 hours of work as supervised observers and volunteers in selected social service agencies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: SOCW 2362

SOWK 3305. Seminar in Human Behavior and Social Environment I.
This course provides an overview of human functioning in the environment by studying eco-systems and developmental frameworks. It builds knowledge and values for practice with task groups, organizations, and communities. Prerequisite: SOWK 2375 with a grade of "D" or better. Corequisite: SOWK 3420 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 3312. Alcoholism and Chemical Dependence.
This elective course focuses on commonly used and abused drugs as well as the dynamics and treatment of addiction and alcohol abuse. It emphasizes direct social work interventions aimed at addiction prevention and treatment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 3332. Helping Troops Transition Back to their Families and Communities: The Invisible Wounds of War.
The course examines topics at the individual, family, group, organizational, and community levels related to troops who are returning from current combat operations and their families. It reviews the needs, community resources, and policies in place for helping them and their families make this transition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 3340. Social Work Research.
This course builds foundation-level scientific research skills in critical thinking, knowledge of program and practice evaluation, and a philosophy of generalist social work practice. Prerequisite: [CJ 3347 or HP 3302 or HP 3325 or PSY 2301 or SOCI 3307] with a grade of "C" or better and SOWK 3425 with a grade of "D" or better. Corequisite: SOWK 4356 and SOWK 4425 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 3420. Social Work Practice I.
This course studies generalist theory and application of social work practice with individuals, families, and groups, including introductory data collection, assessment, intervention planning, and evaluation. (WI) Prerequisite: SOWK 2375 with a grade of "D" or better. Corequisite: SOWK 3305 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

SOWK 3425. Social Work Practice II.
This undergraduate course emphasizes generalist social work practice with task groups, organizations, and communities, examining data collection, assessment, intervention, planning, implementation, and evaluation. Students develop and implement a community-based project. (WI) Prerequisites: SOWK 3420 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

SOWK 4300A. Animal Assisted Therapy.
This course is a starting point for individuals seeking an introduction to the human-animal bond and its therapeutic applications. The course connects students with an extensive network of handlers and facilities in a wide range of disciplines with applied animal-assisted therapy programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 4300B. Spirituality and Social Work Practice.
This elective course provides a basic framework of knowledge, values, and skills necessary for ethical and effective spiritually-relevant practice. It examines spirituality as an integral component of a strengths-based approach to social work practice with diverse and/or vulnerable clients. It integrates a contemporary global perspective with critical self-reflection.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 4300F. International Social Work.
This course covers basic theoretical and practical approaches to empowerment, social and economic justice, and human rights. Particular cultures and specific global problems are examined in-depth to promote student acquisition of an international worldview for human global change based on social work values and research-informed practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 4300G. Ghana: Human Rights and Social Justice Applied.
This undergraduate course will focus on applied social justice and human rights in a global context from an interdisciplinary standpoint in Ghana.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 4300H. Comparative Social Work Ethics in Canterbury.
The purpose of this course is to assist the student in expanding a basic level of knowledge, values, and skills in the area of ethics in social work. The NASW Code of Ethics and the National Codes of Ethics from the International Federation of Social Workers are used.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 4300I. Social Work and Social Services in Canterbury.
The purpose of this course is to assist the student in exploring social work processes, social service provision and services to special populations in Canterbury, England. Agency visits or primary research will guide learning.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 4301. School Social Work.
This course is an overview of social services in schools. Topics covered include: educational issues, conceptual frameworks, education and mental health policies, and service delivery systems. Special attention is paid to cultural diversity, special populations within education, parent-school collaboration, community liaisons, referral systems, and educational systems change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4302. Hip Hop and Social Justice for Individual and Community Change.
In this course, Hip-Hop culture is introduced within the context of human development over the life course with an emphasis on positive individual and community well-being. Cultural dynamics are viewed alongside art's role in the social and political history of the United States including issues of equity and justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4303. Spirituality and Social Work Practice.
This course provides a basic framework of knowledge, values, and skills necessary for ethical and effective spiritually-relevant practice. It examines spirituality as an integral component of a strengths-based approach to social work practice with diverse and/or vulnerable clients. It integrates a contemporary global perspective with critical self-reflection.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4305. Seminar in Human Behavior and Social Environment II.
This course integrates knowledge from social sciences and SOWK 3305, focusing on individuals, families, and small groups functioning in environments. It uses a bio-psychosocial perspective, expanding on eco-systems, developmental, and values frameworks. (WI) Prerequisite: SOWK 3305 with a grade of "C" or better. Corequisite: SOWK 3425 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SOWK 4310. Diversity and Social Justice in Social Work.
This undergraduate course focuses on knowledge and skills necessary for effective, ethical, and just practice, exploring interpersonal and institutional dynamics of racism, sexism, heterosexism, homophobia, classism and other forms of oppression and their effects on providing social services to diverse populations. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOWK 4315. Child Welfare.
This undergraduate elective course analyzes child welfare services available to abused and neglected children in their own homes, in substitute care, and through the community, emphasizing social work intervention with children and their families.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4318. Social Work and Health Care.
This undergraduate elective course provides a generalist view of social work practice in mental health and public health, considering the social problems that affect health care, and ethical and effective intervention strategies and service delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4320. Social Work with Older Adults.
This undergraduate elective gives a comprehensive introduction to contemporary social problems, values, and issues affecting older adults, and effective and ethical intervention strategies and service delivery systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4355. Policy Practice.
This course is an overview of social policy and legislation and the processes of influencing public policy. It links policy with a broad range of social work service areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4356. Professionalism in Social Work.
This course builds skills in self-presentation, in taking responsibility for personal and professional growth, in learning professional behaviors in organizations, and in presenting court testimony. Prerequisite: SOWK 3425 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 4360. Directed Study in Social Work.
This one-semester undergraduate course highlights individualized reading, independent study and projects, and guided instruction. It is offered to superior students by the professor's invitation and with the consent of the BSW Coordinator. This course may be repeated once for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOWK 4425. Social Work Practice III.
This undergraduate course emphasizes interpersonal and communication skills necessary for effective, ethical generalist social work practice. Students translate theory into helping behaviors through practice and feedback to develop competent skills for beginning field placement. (WI) Prerequisites: SOWK 3425 with a grade of "C" or better.
4 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

SOWK 4645. Beginning Field Practice in Social Work.
Undergraduate students engage in generalist social work in agencies, supervised by licensed social workers and the field coordinator. Students work a minimum of 250 clock hours, attend seminars, and complete assignments. Prerequisites: Departmental approval.
6 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted|Time Conflicts Permitted
Grade Mode: Standard Letter

SOWK 4650. Advanced Field Practice in Social Work.
This undergraduate course extends SOWK 4645. Students, supervised by licensed social workers and the field coordinator, apply advanced generalist techniques for a minimum of 250 clock hours, attending seminars, and completing assignments. Prerequisites: Departmental approval.
6 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Course Attribute(s): Dual Enrollment Permitted|Time Conflicts Permitted
Grade Mode: Standard Letter

SOWK 5300A. Adventure Therapy: Theory, Research & Practice.
This course will examine adventure therapy theory, research, and practice within a social work framework. Students will have the opportunity to engage in research-informed practice and develop skills in adventure therapy group facilitation. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300C. School Social Work.
This course is an advanced analysis and assessment of social services in the school setting, including: educational issues, conceptual framework, policies, and service delivery systems. Special attention is paid to cultural diversity, special populations, parent-school collaboration, community liaison, referral systems, and change. Additionally, this course covers individual and group intervention Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300E. Social Work and Health Care.
This elective course provides a generalist view of social work practice in mental health and public health, considering the social problems that affect health care, and ethical and effective intervention strategies and service delivery systems. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300F. International Social Work.
This course covers advanced theoretical and practical approaches to empowerment, social and economic justice, and human rights. Particular cultures and specific global problems are examined in-depth to promote student acquisition of an international worldview for human global change based on social work values and research-informed practice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300G. Ghana: Human Rights and Social Justice Applied.
This graduate course focuses on applied social justice and human rights in a global context from an interdisciplinary standpoint in Ghana. The course involves both experiential and classroom learning with a significant international-based service learning component that intentionally integrates community service, academic learning, and civic learning.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300H. Comparative Social Work Ethics in Canterbury.
This course assists students in expanding an intermediate level of knowledge, values, and skills in the area of ethics in social work. The NASW Code of Ethics (US) and the National Codes of Ethics from the International Federation of Social Workers are used.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300I. Social Work and Social Services in Canterbury.
The purpose of this course is to assist the student in exploring social work processes, social service provision and services to special populations in Canterbury, England. Agency visits or primary research will guide learning.
3 Credit Hours. 12 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300J. Introduction to Trauma Informed Care.
This advanced course focuses on culturally relevant knowledge and skills for theory-based, therapeutic assessment and intervention with diverse families and groups. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5411 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300K. Innovative Community Engagement with Vulnerable Populations.
This service-learning, Study-in-America course will require students to identify, examine, and critically analyze social service programs which provide services to vulnerable populations (persons experiencing poverty, homelessness, food insecurity, criminal justice issues, etc). Additional components of the course include travel to and participation in service-learning/volunteer activities in Louisiana.
3 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5300M. ADVANCED INTERVENTION WITH INTIMATE PARTNERSHIPS (COUPLES).
This advanced course focuses on culturally relevant knowledge and skills for theory based, therapeutic assessment and intervention with diverse intimate partnerships. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5411 with a grade of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOWK 5302. Hip Hop and Social Justice for Individual and Community Change.
Contemporary issues of equity and justice are investigated for potential influences on health and well-being. Students will compare professional application of Hip Hop integrated strategies within therapeutic, education, physical health, and afterschool and summer programs. Students will learn the interdisciplinary aspects of community-based strategies to promote equity and justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5303. Spirituality in Social Work Practice.
This course provides an advanced-level framework of knowledge, values, and skills necessary for ethical and effective spiritually-relevant practice. It examines spirituality as an integral component of a strengths-based approach to social work practice with diverse and/or vulnerable clients. It integrates a contemporary global perspective with critical analysis and assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5308. Human Behavior in Individual and Family Social Environments.
This foundation graduate course presents individual and family dynamics across the life cycle, centering on human development, individual and group strengths, and the effects of cultural diversity. It enhances critical thinking and assessment skills about human behavior in social environments, and incorporates material on professional values, ethics, and social justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5309. Human Behavior in Local and Global Social Environments.
This foundation graduate course explores human functioning in the environment by studying families, groups, communities, organizations, and societies in local and global contexts. Through learning content on diversity, populations at risk, and social and economic justice, students build critical thinking and assessment skills using developmental and eco-systems frameworks.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5310. Social Welfare Policy and Services.
This foundation course studies the United States' social welfare system, emphasizing how social welfare policies affect diverse populations. Topics include social welfare history; and policy development, implementation, evaluation, and values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5312. Social Work Intervention in Drug Addiction & Abuse.
This course focuses on commonly used and abused drugs as well as the dynamics and treatment of addiction. It emphasizes social work intervention aimed at addiction prevention and treatment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5313. Foundation Social Work Practice I.
This foundation course explores generalist social work theory and practice methodology in problem-solving with individuals, families, and groups, emphasizing data collection, assessment, intervention planning, and evaluation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5314. Foundation Social Work Practice II.
This foundation skill-development course emphasizes generalist social work practice with task groups, organizations, and communities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5315. Social Work Intervention in Child Abuse & Neglect.
This course considers child welfare services available to abused and neglected children in their own homes, in substitute care, and through the community, emphasizing social work intervention with children and their families.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5316. Foundation Social Work Practice III.
This foundation course develops the student's interpersonal and communication skills with clients and other professionals. Students must demonstrate competence in interviewing, assessment, and planning skills. Students learn to collect data to support assessment, plan intervention, and evaluate practice. Prerequisite: SOWK 5313 and SOWK 5314 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5317. Social Work Research.
This foundation course builds introductory scientific research skills in critical thinking and knowledge of program and practice evaluation. It prepares students to read, interpret, and critique research with skepticism and rigor and to perform various research and social work practice activities. Prerequisite: SOWK 5308 and SOWK 5313 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5319. Diagnostic Assessment.
This advanced course examines how individuals, families, and groups interact with the social environment, emphasizing mental health and adaptive capacity, theories of the etiology and development of mental and emotional disorders, and how culture affects mental health. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5320. Advanced Administrative Leadership Practice I: Introduction to Management.
This advanced skill-development course emphasizes social work practice in managing small and large organizations. Students develop knowledge and skills in social work management and supervision in non-profit and public organizations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5322. Advanced Social Policy and Social Justice.
This advanced course, a study of social legislation affecting disadvantaged persons, emphasizes policy analysis, values, and advocacy through studying social policy history; developing, implementing, and evaluating policy; and influencing social and economic justice. Prerequisite: SOWK 5410 or SOWK 5411 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5323. Advanced Social Work Research.
This advanced course builds knowledge and skills for systematically evaluating programs and practice. It enhances effective and ethical social work practice by teaching skills necessary to design, implement, and empirically assess intervention with client and programs. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5324. Advanced Direct Practice with Families.
This advanced course focuses on theories, research, and models of practice with families. It emphasizes a systems orientation to assessment and intervention, and integrates issues of self-awareness and human diversity. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5325. Advanced Administrative Leadership Practice III: Challenges and Innovations.
This advanced course expands knowledge and skills by exploring how theories, supervision and management interventions, and social work values are applied to diverse organizational environments. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5326. MC/MP Advanced Direct Practice with Individuals.
This advanced course examines intervention theories and builds specialized skills for effective, ethical practice with individuals. It examines how culture influences individuals, and discusses how to assess individuals from multiple perspectives. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5327. Advanced Direct Practice with Groups.
This advanced course develops effective, ethical group practice skills, including assessment from multiple perspectives, facilitation of group process and intervention, evaluation, and addressing needs of diverse populations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5328. Interdisciplinary Perspectives on Aging.
This interdisciplinary course provides a graduate-level foundation in knowledge and skills used to address a wide range of needs among the aging population, their families, and support systems. Biophysical, psychosocial, and environmental perspectives will be integrated into development of culturally competent approaches to work with elders in many fields.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5329. Organizational Development.
This advanced course examines organizational and inter-organizational social service delivery contexts; how funding, mandate, and organizational arrangements influence services; and factors to consider in modifying existing organizations. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5332. Helping Troops Transition Back to their Families and Communities: The Invisible Wounds of War.
The course examines topics at the individual, family, group, organizational, and community levels related to troops who are returning from current combat operations and their families. It reviews the needs, community resources, and policies in place for helping them and their families make this transition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5339. Selected Topics in Social Work.
Students study relevant social work topics in depth. Topics, such as social work in schools or in health care, are selected according to students' needs and professional trends. Repeatable for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOWK 5360. Directed Study in Social Work.
This one-semester course highlights individualized reading, independent study and projects, and guided instruction. It is offered by invitation of the professor and with the consent of the MSW Coordinator. It may not be repeated for credit. Prerequisite: Departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5370. Advanced Program Planning and Grant-Based Resource Development.
This advanced course emphasizes social work practice in building and developing non-profit and public human services organizations. Course topics include: determining organizational needs and priorities; identifying resources to address needs and priorities; and pursuing grant-funded resources to address organizational needs. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5371. Advanced Assessment, Leadership, and Supervision in Social Service Organizations.
This advanced course focuses on observational and interview-based evaluations of organizational functioning related to change, diversity, ethical decision-making, budgeting, and implementation of action plans. The course also focuses on development of supervisory strategies to effectively lead and transform an organization. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5372. Advanced Diagnostic Assessment and Intervention with Individuals.
This advanced course focuses on culturally relevant diagnostic assessment of and intervention with individuals based on current theory. The course emphasizes critical analysis of contemporary mental health practice using a psychosocial framework. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5373. Advanced Intervention with Families and Groups.
This advanced course focuses on culturally-relevant knowledge and skills for theory-based, therapeutic assessment and intervention with diverse families and groups. The course emphasizes systemic, critical analysis of contemporary mental health practice using a psychosocial, strengths-based framework. Prerequisite: SOWK 5410 and SOWK 5411 both with grades of "C" or better and departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5378. Advanced Field Practicum 1.
This course is the first part of the advanced MSW field practicum in which students participate in a field seminar course in conjunction with completing field practicum hours at an agency. Field seminar provides the opportunity for students to apply and critically analyze social work knowledge gained in core. Prerequisites: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5379 or SOWK 5979 either with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5379. Advanced Field Practicum 2.
This course is taken in conjunction with SOWK 5378 as Part I of the advanced/final field practicum courses for part-time students requiring completion of a minimum of 250 hours of internship in a social service agency. This course requires application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5378 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOWK 5410. Foundation Field I (Concurrent).
This foundation course consists of supervised beginning generalist social work practice in agencies for a minimum of 250 clock hours, applying classroom knowledge to work with individuals, families, groups, and communities. Prerequisites: Departmental approval.
4 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5411. Foundation Field II (Concurrent).
This second foundation course continues supervised generalist social work practice in agencies for a minimum of 250 clock hours, applying classroom knowledge to work with individuals, families, groups, and communities. Prerequisites: SOWK 5410 with a grade of "C" or better and departmental approval.
4 Credit Hours. 1 Lecture Contact Hour. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SOWK 5679. Advanced Field Practicum 2.
This is the second part of the advanced practicum course sequence for part-time students requiring completion of a minimum of 250 hours in a social service agency. This course continues the experiential learning process initiated in SOWK 5379 including application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5378 and SOWK 5379 both with grades of "C" or better and a minimum 3.0 Overall GPA.
6 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOWK 5979. Advanced Field Practicum 2.
This course is taken in conjunction with SOWK 5378 as part of the advanced/final field practicum courses for full-time students requiring completion of a minimum of 250 hours of internship in a social service agency. This course requires application of classroom knowledge to address complex level social justice issues. Prerequisite: SOWK 5322 and SOWK 5323 and SOWK 5370 and SOWK 5371 and SOWK 5372 and SOWK 5373 all with grades of "C" or better and a minimum 3.0 Overall GPA. Corequisite: SOWK 5378 with a grade of "C" or better.
9 Credit Hours. 0 Lecture Contact Hours. 35 Lab Contact Hours.
Grade Mode: Credit/No Credit

Sociology (SOCI)

SOCI 1310. Introduction to Sociology.
A survey of the basic concepts in sociology including social organization, culture, socialization, groups, and human population leading to the development of a sociological perspective of human behavior. SOCI 1310 and SOCI 3300 may not both be counted for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Soc & Behav Sciences Core 080
Grade Mode: Standard Letter
TCCN: SOCI 1301

SOCI 3300. Principles of Sociology.
Survey of the discipline of sociology, including socialization, social institutions, collective behavior, urban and community studies, demography, race relations, culture, and personality. Emphasis on basic concepts and the behavioral science approach to the study of human groups. SOCI 1310 and SOCI 3300 may not both be counted for credit. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SOCI 3307. Statistics for the Behavioral Sciences.
The application of descriptive and inferential statistics of behavioral science data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3317. Popular Culture and Society.
The content of popular culture, including movies, television, genre novels, popular music, fads and fashion, sports, contemporary folklore, festivals and celebrations, clothing and body decoration, and related cultural material, is examined and analyzed for social significance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3318. Applied Data Analysis.
This course introduces the student to some of the uses of various existing statistical software packages including proper application, limitations, and interpretations of results. Prerequisite: SOCI 3307 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3320. Population Dynamics.
A study of the composition of the world's population, focusing on growth, problems, politics, and controls. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 3322. Sociology of Latinos and Immigration.
This class will examine the impact that immigration and migration have on the growth of the Latino population as well as current debates surrounding immigration and its future in the U.S.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3324. Social Stratification.
The study of inequality as it relates to occupational, educational, religious, political, and other social activities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3325. Social Deviance.
Theoretical and descriptive analysis of the major types of deviant behavior.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3327. Multicultural Relations.
The nature and the problems inherent in racial and other minority groups, with special reference to the American scene.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3328. Complex Organizations.
The study and analysis of complex organizations, bureaucracies, and professions and their influence on individuals and society and its institutions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3329. Life Course Sociology.
This course examines major sociological approaches to the study of the human life course. Theoretical approaches reviewed include age stratification, the life course perspective, and constructivist and critical approaches to the life course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3330. Globalization and Development.
This course covers the sociology of globalization and development. Students will learn about theories of globalization; the effects of globalization on cultural, economic and political life; and factors at different levels of analysis affecting socioeconomic development, security, human rights, and democracy around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3333. The Sociology of Popular Music.
This course explores the dynamic and interactive relationships between music, culture, and society. Popular American music - from blues, gospel, ragtime, jazz, country, and swing to rock, disco, punk, alternative, and rap - will be analyzed as reflections of culture, as society's "voice," and as a powerful instrument of socialization and social change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3337. The Family.
A comparative study of the family in various cultures, both historical and contemporary, with attention to the family in terms of social organization, social change, and social disorganization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3338. Family Problems.
This course applies sociological knowledge to common problems encountered in families: spouse and child abuse, elder abuse, catastrophic illness, suicide, unemployment, poverty, teen pregnancy, aging and gender issues. Worldwide traditions and norms affecting the institution of the family are also reviewed. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 3340. Sociology of Sport and Leisure.
The theories and research in leisure and popular culture will serve as the broad framework. An emphasis will be placed on the sub-area of sport sociology, including such topics as sport and aggression, competition, children, women, minorities, professionalism, and others.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3343. Criminology.
The various theories of crime, the cause of crime, areas of crime, treatment of criminals through the courts, punishment, reform, education, probation, and parole, and means of crime prevention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3347. Juvenile Delinquency.
Delinquency in modern society, basic factors and conditions of juvenile delinquency, and the problem of delinquency control.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3349. Drugs and Society.
A sociological examination of the social context of drug abuse with emphasis on the social factors, processes, and institutions that impact drug abuse. Applications of sociological theories and research methods will be studied.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3350. Men, Women, and Societies.
This course examines the relations between male and female roles throughout the world, including the United States, Europe, and third world countries. Special attention is given to changes in these roles and the consequences of such changes for societies, including familial, marital, and sexual relationships. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 3353. Urban Society.
A study of urbanization as a social phenomenon with attention to traditional sociological studies of the community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3358. Work and Society.
This course will explore sociological studies of work and occupations, including the structure of work, economic changes, and concerns of workers such as earnings, promotions, and unemployment. It is divided into three main topics: the social organization of work, current work trends, and inequalities at work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3363. Medical Sociology: The Sociology of Health and Illness Behavior.
An examination of the social determinants and consequences of human health, morbidity, and mortality, including considerations of health institutions, organizations, professionals, and clients. Social epidemiology of human diseases and mortality and changing relationships of acute and chronic diseases are stressed. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SOCI 3365. Society and Environment.
This course addresses issues emerging from the reciprocal relationship between society and its environment. The impacts of social and economic organization, social class, and government policies on the physical and social milieu will be examined in order to produce a better understanding of social and environmental interactions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3367. Sustainable Cities.
This course uses sociological insight to develop a broader understanding of key concepts and debates about the sustainability of cities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3372. Food and Society.
This course surveys the sociological study of food. Students will examine how people in societies socially construct "food"; how people obtain food and the implications of this process for our health, economy, and environment; and how food relates to issues of race-ethnicity, social class, and gender.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3375J. Sociology of Consumption.
Consumption is an integral part of social life in the United States, shaping how we see ourselves and others. While consumption can enhance consumers' lives, it is linked to a host of social and environmental problems. This course critically examines such problems and explores alternatives to the way of life that is consumerism.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 3375K. Social Movements.
This course examines social movements, repeated display of collective action outside sanctioned political channels to bring about social change. Different theoretical approaches to social movements will be reviewed to determine how movements organize, attract members, utilize resources, ideologically frame their issues, and engage in nonconventional tactics to influence public policy.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 3375L. Mind and Society.
This course provides an overview of mental health and illness with an emphasis on how social environments and structures influence mental well-being. We will explore the causes and consequences of mental health disorders. We will also examine policies and programs aimed at improving mental health in society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 3375M. Latinos and Aging.
This course offers an understanding of the growing Latino aging population in American society, highlighting issues related to their social, familial, economic, physical, and mental well-being. This course will also cover social programs, health and human service needs, and social policies affecting Latino elders.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 3375N. Urban Sociology in Comparative Perspective.
Topics include the historical development of cities, cities as engines of culture, planning, and gentrification. The comparative emphasis permits analysis of London in light of corresponding phenomena in American cities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 3375O. Culture and Society in Comparative Perspective.
Topics include cultural change and diffusion and social concerns such as inequality, gender, popular culture, etc. The comparative emphasis permits analysis of these phenomena in England vis-à-vis the United States.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 3375P. Sociology of Religion: A Global Perspective.
This course is an introduction to the tools and concepts central to the sociological study of religion and religiosity. It takes a global perspective on religions, inspecting the ideas of classic and modern sociological theorists concerning the various roles, functions, conflicts, prejudices and symbols of religion.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 3383. Aging and Society.
This course is an introduction to the sociology of aging and social gerontology. It employs a multicultural perspective to examine diversity in the aging process as influenced by societal forces.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3384. The Sociology of Death and Dying.
A study of the sociological and social psychological perspectives on death and dying in contemporary societies with particular emphasis on the meanings of death, on dying as a social process, and on death in the context of both social organization and the life cycle.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3390. Technology and Society.
The subject of this course is the relationship between technologies and social institutions. Topics covered may include but are not limited to theories of sociotechnical change, diffusion, social constructivism, modernity and rationalism, and case studies of transformative technologies such as the clock, the car, and the birth control pill.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 3395. Sociology of Sexuality.
Sexuality is explored from a social constructionist perspective, in contrast to essentialist and biological determinist perspectives dominating the Western understanding of sexual roles and behavior. Sexual identity, desire, behavior, response, and health are viewed as socially constructed, largely in response to concerns about societal order.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 4306. Sociological Theory.
This course will examine classical sociological theories and the contemporary theories that follow from them. The major approaches covered are functionalism, conflict theory, symbolic interaction, and phenomenology. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SOCI 4308. Quantitative Research Methods.
Basic issues in social research are introduced, while emphasizing design and analysis of quantitative research studies. Research exercises culminate in a major research paper analyzing secondary data from The General Social Survey. Critique of published research articles is also required. (WI) Prerequisite: SOCI 3307 with a grade of "D" or better. Corequisite: SOCI 3318 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SOCI 4309. Qualitative Research Methods.
This course examines issues in the sociological research process with an emphasis on qualitative methods. Students will design, propose, and submit a qualitative study based on an extensive review of the sociological literature. (WI) Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SOCI 4360. Directed Study.
A course of independent study open to superior students. May be repeated with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 4690. Internship in Applied Sociology.
This course is a supervised work experience related to students' career interests. Requirements include seminars and a 300-hour internship for 15 weeks during long semesters or 10 weeks in the summer. This course is limited to BS majors who meet all prerequisites and can be taken for credit only once.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SOCI 5105. Practicum in Teaching Sociology.
An introduction to key concepts and practices in the teaching of college course in Sociology. Provides regular in-service training and planned periodic evaluations of instructional responsibilities. Required for first-year teaching and instructional assistants in the Sociology Department. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SOCI 5110. Proseminar in Sociology.
This course will orient new graduate students to the department and the profession. Topics include presentations at professional meetings, academic writing and publishing, and putting together curriculum vitae.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5198B. Applied Research Practicum II.
This course represents a student's continuing enrollment to complete the practicum project. The student continues to enroll in this course until the practicum project is approved by the practicum committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5300. Foundation Studies in Sociology.
This course provides prerequisite knowledge required for success in graduate-level coursework in Sociology. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SOCI 5306. Sociological Theory Seminar.
This graduate theory course examines the role of social theory in the historical and contemporary quest for knowledge and understanding of society. The first half of the course emphasizes the European Classics. The second half of the course is devoted to contemporary theory. Emphasis throughout will be on using theory to better understand current events and everyday life experiences.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5307. Advanced Statistics for the Social Sciences.
Application of advanced statistical theory and methods to the analysis of social data. Prerequisite: SOCI 3307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5308. Seminar in Quantitative Research Methods.
The application of research methods to social science with emphasis on direct, practical experience in research. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5309. Seminar in Qualitative Research Methods.
This course examines qualitative methods in Sociology. Topics include examples of classical and modern qualitative research, and issues related to qualitative research. Students critique qualitative studies and conduct and defend a qualitative project. Departmental approval needed for non-majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5316. Seminar in Deviation and Social Problems.
A systematic analysis of contemporary social problems and various types of social deviation. Emphasis is on the socialization process as it relates to social problems and human deviation. The sociological explanation of underlying factors will be stressed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5318. Seminar in Advanced Data Applications.
This course will cover the application of various statistical techniques, such as chi-square, correlation, and regression while introducing statistical analysis to students using software such as SPSS. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5319. Seminar in Social Psychology.
A critical appraisal of the major theories and theorists found in Social Psychology with emphasis on their application to contemporary social and psychological issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5320. Seminar in Demography.
A seminar in the study of population with emphasis on sources of demographic data, techniques of demographic analysis, and population composition and forecasts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5322. Impact Analysis Research.
This course is designed to introduce students to the assessment of organizational impact. It addresses both the historical development and social functions of evaluation, as well as practical application of assessment research. Emphasis will be on appropriate research design, implementing the design, and analysis of data.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5323. Grant Writing for the Social Sciences.
This course offers an applied approach to developing grant-writing skills for the social scientist. It will cover all aspects of proposal development including idea generation, funding source identification, project description, project plan, project management, evaluation methods, and budget preparation strategies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5350. Seminar on the Sociology of Gender.
This course is a graduate level seminar on the study of gender in sociology with a focus on issues of race, ethnicity, social class, and sexuality. We will examine the major contemporary scholarly debates about gender and explore how gender issues are embedded in different institutions and organizations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5351. Introduction to Dementia Studies.
This course is an introduction to the social-scientific study of the causes and consequences of dementia, as well as to issues related to the care of persons with dementia.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5352. Dementia and Caregiving.
This course for the Dementia and Aging Studies degree covers current research on policy and support for caregivers of persons with dementia, with an emphasis on the applied sociological focus of caregiver training and education. The course also addresses broader public sociology issues of caregiving and healthcare.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5353. Seminar in the Community.
A study of contemporary urban society with emphasis on understanding the social structure as a prerequisite to planning and problem solving at the community level.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5354. Theoretical Perspectives in Aging and Dementia.
This course discusses theories of aging from biological, psychological, and social science perspectives. The course also demonstrates how these theories can be applied to analyzing various aging issues, particularly the social care of persons with Alzheimer's disease and other dementias.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5355. The Social Psychology of Dementia.
This course analyzes the social construction of dementia and salient social psychological theories, concepts, and research in dementia studies. It investigates the social psychology of dementia in relation to mind, identity, stereotypes, prejudice, attributions, socialization, emotions, social interaction and the impact of institutions on the self.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5356. End of Life Care.
This course focuses on issues of dying and death. Topics covered include symptom management, palliative care, hospice, pain control, life-sustaining treatment and spiritual, legal and ethical issues related to dying and death. Also covered will be different religious views on euthanasia, dying, death, and funerals.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5357. Gender and Aging in Society.
This course is a seminar on the study of gender and aging. This seminar will examine issues of aging identities, the aging body, sexuality, health and medicine, and caregiving among older adults. This course emphasizes the aging experience in our culture as a fundamentally gendered phenomenon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5359. Seminar in Drugs and Society.
A sociological examination of the use of legal and illegal drugs in society, with emphasis on topics such as the “war on drugs,” the pharmaceutical industry, and drugs as technologies of medicalization, as well as incentives to social change.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5361. Aging and Dementia: Racial and Ethnic Minorities.
This course provides an analysis of how race and ethnicity affect aging and dementia, with particular emphasis on the United States. The course examines health and quality of life of racial and ethnic minorities in later life, social factors that influence these differences, and means of intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5362. Rural Aging and Dementia.
This graduate course examines aging and dementia issues in rural America. Demographic trends, cultural and economic changes, and intervention strategies will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5363. Seminar in Medical Sociology.
A seminar on selected topics of human health and health care organizations. Topics to be stressed include: social causes and consequences of morbidity and mortality, professionalization and socialization of health care practitioners, organization of health institutions, and demographic changes in health problems and needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5365. Seminar in Political Sociology.
This course applies sociological theory and research to explore the exercise of power in its social context. Particular topics may include but are not limited to civil society, power outside of government, the relationship of the state to other social institutions, and the nature of elites.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5367. Seminar in Sustainable Cities.
This course analyzes the complex relationship between urbanization and environmental change from a sociological perspective. Overarching themes include sustainabiilty and environmental justice.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5368. Seminar in Environmental Sociology.
This course situates societies within their ecological context and vice versa. Focusing upon social and environmental interactions, including the interactions of social organization, inequality, and policy, provides a comprehensive understanding of the physical and social milieu.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5370. Seminar in Multi-Cultural Relations.
Examines the dynamics of dominant subordinate social groups. Focuses on racial, ethnic, and class differences. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SOCI 5371. Directed Study.
Course of independent study open to individual students only at the invitation of the faculty member with the approval of the department chair and the graduate advisor. Repeatable for credit. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SOCI 5383. Seminar on Aging.
This course provides graduate students with an opportunity to examine national and global issues involved with the aging process and population aging from a social scientific and multicultural perspective.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5388B. Social Inequality: Race, Class, and Gender in the United States.
This course will investigate the topic of social inequality. The intersections of class, race and gender as they produce inequality will be explored, along with theoretical perspectives and empirical evidence informing the study of social inequality.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388F. Seminar in Poverty.
This course is a graduate seminar on the sociological study of US poverty and social mobility. We will examine poverty measurement and trends, poverty-related social policies, theories for explaining poverty and mobility, and the intersection of poverty and social mobility with issues of gender, race, family structure, and place.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388G. Seminar in Food and Society.
This graduate course focuses on the sociological study of food. It examines the current food system and its interactions with macro-level social institutions, as well as individual identity and well-being.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Topics
Grade Mode: Standard Letter

SOCI 5388H. Advanced Statistical Analysis II.
The focus of this course is advanced data analysis. This course will cover topics such as regression, limited dependent variables analysis, and time series analysis. A secondary aim is to demonstrate data analyses using popular software packages. Prerequisite: SOCI 5307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388I. Clinical Sociology: Counseling the Elderly.
This course takes a clinical sociology perspective in studying the issues of the aged and persons with dementia. The approach is humanistic and multidisciplinary, seeking to improve the quality of older persons' lives by assessing situations and reducing problems using analysis and intervention.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5388J. Applied Survey Research.
This course offers an applied approach to learning about survey methods. The course links research on survey construction and implementation to practical applications in which students solve problems associated with real-world survey instruments. Students will learn appropriate survey research terminology, as well as how to communicate in an effective and non-technical manner to others in need of survey assistance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SOCI 5390. Seminar in Globalization and Development.
This seminar explores issues related to socioeconomic development and change, particularly in the "Global south." The course will focus on factors affecting development and underdevelopment around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5395. Global Insecurity.
This graduate seminar covers global, socially constructed risks perceived as threats to sustainable development. Topics include theories of globalization and insecurity; an assessment of threats to democracy and human rights, the environment, food security, public health and safety; as well as local, national and international responses to these threats.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 5398A. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5398B. Applied Research Practicum.
Directed impact analysis project in a government agency, business, or non-profit organization requiring the student to apply skills and demonstrate knowledge gained in course work. The project topic will be determined jointly by the faculty supervisor, the student, and the research site. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SOCI 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SOCI 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SOCI 7307. Advanced Social Statistics.
In this course students learn to apply advanced statistical theory and methods to the analysis of social data. Prerequisite: SOCI 3307 with a grade of "B" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SOCI 7318. Seminar in Advanced Statistical Applications.
This course is an advanced applied data analytics course that covers statistical mediation/moderation, regression, and analysis of limited dependent variables. The course will utilize multiple software packages including, but not limited to the following: SPSS, Stata, R. Prerequisite: SOCI 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Spanish (SPAN)

SPAN 1410. Beginning Spanish I.
Introduction to listening, speaking, reading, and writing skills within a Spanish cultural framework. Students who take SPAN 1410 toward degree requirements must also complete SPAN 1420. (MULT).
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: SPAN 1411

SPAN 1420. Beginning Spanish II.
Continued practice in listening, speaking, reading, and writing skills within a Spanish cultural framework. Prerequisite: SPAN 1410 with a grade of "C" or better. Students who take SPAN 1410 toward degree requirements must also complete SPAN 1420. (MULT).
4 Credit Hours. 4 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: SPAN 1412

SPAN 2310. Intermediate Spanish I.
Continued development and review of all language skills within a Spanish framework. (MULT) Prerequisite: SPAN 1420 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: SPAN 2311

SPAN 2320. Intermediate Spanish II.
More advanced practice in all language skills with greater emphasis on reading within a Spanish cultural framework. (MULT) Prerequisite: SPAN 2310 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter
TCCN: SPAN 2312

SPAN 3301. Literatures of Spain I.
Students will study significant literary texts of the Iberian Peninsula from the Muslim conquest in 711 A.D. through 1700. The course will also consider the literature's historical, religious, social, and political contexts. Prerequisite: SPAN 3309 with a grade of "C" or better. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 3302. Literatures of Spain II.
Students will study significant literary texts of the Iberian Peninsula from the Enlightenment through the twenty-first century. The course will also consider the literature's historical, social, and political contexts. Prerequisite: SPAN 3309 with a grade of "C" or better. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 3305. Latin American Literatures I.
Students will study literary texts in Latin American from the period before the Conquest through the Colonial and Independence periods. The course will also consider the literature's historical, religious, social, and political contexts. Prerequisite: SPAN 3309 with a grade of “C” or better. (MULT) (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 3306. Latin American Literatures II.
Students will study literary texts of Latin American from Modernismo to the twenty-first century. The course will also consider the literature's historical, social, and political contexts. (MULT) (WI) Prerequisite: SPAN 3309 with a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 3308. Advanced Composition.
A course designed to improve writing skills in Spanish through the reading of texts in Spanish. (WI) Prerequisite: SPAN 2320 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SPAN 3309. Introduction to Hispanic Literature and Literary Analysis.
This course focuses on writing skills, literary analysis, and the reading of selected works from Spanish, Latin American and Hispanic literature. (MULT) (WI) Prerequisite: SPAN 2320 with a grade of "C" or better. Corequisite: SPAN 3308 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 3310. Spanish Phonetics and Phonemics.
Articulatory phonetics and sound discrimination and production; phonemic and allophonic variants; geographical and social distribution. (MULT) Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SPAN 3311. Business Spanish I.
This course focuses on the use of written and oral Spanish in global business contexts, as well as exploring economic, demographic, and cultural factors that influence commercial interactions in the Hispanic world. Topics include business management, banking, and human resources. (MULT) Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SPAN 3312. Business Spanish II.
This course focuses on the use of written and oral Spanish in global business contexts, as well as exploring economic, demographic, and cultural factors that influence commercial interactions in the Hispanic world. Topics include marketing, financing, and imports/exports. (MULT) Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SPAN 3340. Advanced Spanish Grammar and Stylistics.
This course places major emphasis on syntax, usage, and grammatical nomenclature. (MULT) Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 3370. Spanish Civilization.
Students will study the civilizations and cultures of Spain. The course provides a background for understanding Spanish society. (MULT) (WI) Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 3371. Latin American Civilization.
Students will study the cultures of Latin America and the Hispanic U.S. The course provides a background of the history and civilization of both groups. (MULT) (WI) Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 4300. Professional Internship in Spanish.
This course is a supervised work experience in a Spanish-speaking environment. Students will work a minimum of 140 hours, performing duties at least 80% in Spanish. Other requirements include internship reports as required by course instructor. Prerequisite: SPAN 3308 with a grade of "C" or better and instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 9 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 4302. The Spanish Novel.
Students will study selected novels of Spain from the 16th through the 21st century. The course will also consider the literature's historical, religious, and political contexts. (MULT) (WI) Prerequisite: SPAN 3309 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 4311. Historical Aspects of Hispanic Linguistics.
Course designed to develop knowledge and skills required for analysis and discussion of structural and external aspects of the history of the Spanish language with special focus on word formation and social aspects of language variation. The course provides an overview of morphology, sociolinguistics, and historical linguistics. Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPAN 4312. Contemporary Aspects of Hispanic Linguistics.
This course is designed to develop knowledge and skills required for analysis and discussion of the structural and social aspects of the Spanish language. The course provides an overview of semantics, syntax, pragmatics, dialectology, and language acquisition in Spanish. Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPAN 4330. The Latin American Novel.
Students will study selected novels from Latin America. The course will also consider the literature's historical and political contexts. (MULT) (WI) Prerequisite: SPAN 3309 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 4341. Gabriel Garcia Marquez.
Students will read and analyze works by Nobel Prize author Gabriel Garcia Marquez, focusing on literature, history, politics and art of Latin America. (WI) Prerequisite: SPAN 3309 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SPAN 4342. Don Quijote.
Students will read and analyze Miguel de Cervantes' Don Quijote. The course will also consider the novel's literary sources and historical and cultural context. Prerequisite: SPAN 3309 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

SPAN 4350. Hispanic Film.
Students will study Hispanic artistic, cultural, and historical issues through film and selected readings. (MULT) Prerequisite: SPAN 3309 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 4361. Hispanic Poetry.
Students will read and analyze selected poems from Latin America and Spain. The course will consider the cultural and historical contexts of the works. (MULT) (WI) Prerequisite: SPAN 3309 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 4362. Hispanic Drama.
Students will read and analyze selected plays from Latin America and Spain. The course will also consider the cultural context of the works. (MULT) (WI) Prerequisite: SPAN 3309 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 4370. Hispanic Literature of the Southwest.
Students will study the Hispanic literature of the Southwest in order to have a better understanding of the cultural diversity of the region. (MULT) Prerequisite: SPAN 3309 a grade of “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

SPAN 4380A. Hispanic Nobel Prizes in Literature.
Hispanic Nobel prizes in Literature. (WI) Prerequisite: SPAN 3309 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

SPAN 4380E. Translation Practice and Theory.
An introduction to Spanish translation at the upper division. The object of the course is to improve reading comprehension – a fundamental skill for translators-, language proficiency, and cultural and historical knowledge of the target language. Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 4380F. Mexican Literature.
This course focuses on the most representative works of Mexican Literature produced since Mexican Independence in the early 19th century. Course objectives include a better understanding of major literary trends and the cultural development of Mexican society since its beginning as an independent republic. Prerequisite: SPAN 3308 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

SPAN 4380G. Women, Minorities and Marginal Groups in Medieval Spanish Literature.
This course will present some of the principal literary works which portray women, religious minorities and marginal groups in medieval Spain. Special focus will be given on deconstructing historical myths and stereotypes based on behavioral, religious and sexual identity as reflected by the authors and their selected works. Prerequisite: SPAN 3308 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

SPAN 4380H. Nature and Nation in Latin American Literature.
Students will study the interaction of nature and nation in Latin American literature after Independence by taking into account both Western and indigenous approaches to nature. Students will read a selection of literary works that reinforce and/or contest notions of nature, nation and cultural identity. Prerequisite: SPAN 3309 with a grade of "C" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics|Writing Intensive
Grade Mode: Standard Letter

SPAN 4380I. Spanish and Media.
This course provides an overview of mass communication in Spanish-speaking regions of the world. Students will explore the use of radio, television, newspapers, and the internet, as practiced in various Hispanic cultural contexts. Prerequisite: SPAN 3308 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 4390. Studies in Spanish Culture, Language, or Literature.
The course is generally available only to graduating seniors who have completed several advanced courses or graduate students with special needs. Repeatable for credit with different emphasis. (MULT) Prerequisite: SPAN 3308 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 4600. Professional Internship in Spanish.
This course is a supervised work experience in a Spanish-speaking environment. Students will work a minimum of 280 hours, performing duties at least 80% in Spanish. Other requirements include internship reports as required by course instructor. (MULT) Prerequisite: SPAN 3308 with a grade of "C" or better.
6 Credit Hours. 0 Lecture Contact Hours. 18 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

SPAN 5100. Practicum in Teaching Spanish.
Required as a condition of employment for graduate teaching and instructional assistants in their initial semester of employment. The course provides regular in-service and planned periodic evaluations of instructional responsibilities. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SPAN 5199B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5300. Foundation Studies in Spanish.
Course designed to develop knowledge and skills required for success in graduate-level studies in Spanish. Course content varies depending on academic preparation. This course does not earn graduate degree credit. Repeatable up to 12 hours with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

SPAN 5306. Studies in Spanish Peninsular Literature.
Selected works of Spanish literature which reflect lasting cultural values. a) Medieval and Golden Age: realism and idealism; b) Modern spanish thought: the individual in Spanish history and society.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

SPAN 5307. Studies in Spanish American Literature.
Selected works of Spanish literature which reflect lasting cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Header
Grade Mode: Standard Letter

SPAN 5308. Studies in Hispanic Culture.
Selected works of Spanish literature which reflect lasting cultural values.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPAN 5310A. Voyages and Encounters in Spanish American Literature.
Thorough analysis of historical and fictional voyages. The course will address how encounters with indigenous, ethnic minority, and foreign cultures have influenced the development of individual, national and regional identities in Spanish America. Readings will include accounts of the Conquest, colonial texts, and literature for the 19th and 20th centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310B. Don Quijote.
A close reading of the classic Spanish novel Don Quijote by Miguel de Cervantes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310C. Poetry of Spain and Spanish America.
A focus on the genre of poetry through a close reading of a selection of classical and contemporary poets from Spain and Spanish America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310D. Hispanic Literature: Gabriel García Márquez.
A study of selected works of Nobel Prize author Gabriel García Márquez, focusing on literature, history, politics, and popular culture of Latin America.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310E. Hispanic Literature: Hispanic Film.
A study of Hispanic cultural issues through film and additional readings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5310F. Contemporary Mexican Narratives.
This course focuses on contemporary Mexican narratives. Students will study Mexico's literary trends such as La nueva narrativa, the Crack Generation, women's literature, and the new historic and testimonial fictions, in order to better understand the cultural process of the Mexico's society in the late 20th and early 21st centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SPAN 5311. Studies in Medieval and Golden Age Spanish Peninsular Literature.
Selections of fiction, poetry, theatre, essay, and film of medieval and Golden Age Spain. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5312. Studies in Spanish Peninsular Literature from the Eighteenth Century to the Present.
Selections of fiction, poetry, theatre, essay, and film of Spain from the eighteenth century to the present. May be repeated once with different emphasis of additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5313. Studies in South American Literatures.
Selections of fiction, poetry, theatre, essay, and film of South America. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5314. Studies in Central American and Caribbean Literatures.
Selections of fiction, poetry, theatre, essay, and film of Central America and the Caribbean. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5315. Studies in Mexican and Mexican-American Literatures.
Selections of Mexican and Mexican-American fiction, poetry, theatre, essay, and film. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5316. Studies in Spanish Peninsular Culture.
Culture, history, and society in literature, film, art, music, folklore, and mass media of Spain. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5317. Studies in the Cultures of the Americas.
Culture, history, and society in literature, film, art, music, folklore, and mass media of the Americas. May be repeated once with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPAN 5318. Advanced Composition and Grammar.
The study of grammar and writing through composition and analysis of ideas and texts. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5319. Synchronic Spanish Linguistics.
In this course students learn about Spanish dialectology, phonology, regional variation, migration impacts on language variety, issues of language maintenance and death, syntax, and current theories of language contact and koineization (i.e., the formation of new dialects). May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5320. Diachronic Spanish Linguistics.
Evaluation of aspects of history of the Spanish language including pronunciation, word formation, sentence structure, dialects, and relations to other languages. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5321. Spanish Applied Linguistics.
This course provides an overview of the major areas of applied linguistic research including: current theories in second language acquisition, teaching methodologies, bilingualism, performance, syntax, and computer assisted learning. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5322. Spanish for the Professions.
Topics vary and include the study of Spanish for business, law, medicine, criminal justice, and/or the social sciences. May be repeated once with different emphasis for additional credit. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5390. Studies in Spanish Culture, Language, or Literature.
Independent study under supervision of a graduate faculty member in Spanish, with in-depth readings and research on a specific topic. May be repeated once with different emphasis for additional credit. (MULT)
Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Multicultural Content
Grade Mode: Standard Letter

SPAN 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in Spanish 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPAN 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding. Graded on a credit (CR), progress (PR), no-credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SPAN 5600. Internship and Foreign Study.
This course consists of an internship of at least four weeks duration in a foreign Spanish-speaking country. Interns will work with organizations that use Spanish in a professional context. Internships may be complemented by lectures, observations, interviews, or other activities relevant to the student's academic and professional interests. Prerequisites: Completion of 18 credit hours required for the Master of Arts with a major in Spanish. Graduate advisor approval required.
6 Credit Hours. 6 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SPAN 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

Special Education (SPED)

SPED 2360. Survey of Exceptionalities.
Course provides for the examination of types, characteristics, and causes of various exceptionalities; identifies federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 3338. Educating Students with Emotional/Behavioral Disorders.
This course addresses topics associated with teaching students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues. Prerequisites: If SPED 2360 is taken prior to this course, students must have earned a "C" or better. Corequisites: SPED 2360.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 3390. Assessing Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude; academic achievement; social, emotional, and motor development; and includes implications of these results for instruction or remediation. Prerequisites: Must be declared as seeking All-Level Special Education teacher certification or with a Special Education minor; if SPED 2360 is taken prior to this course, a grade of "C" or better must be earned. Corequisite: SPED 2360.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 4310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on an independent study basis with faculty member and available only with permission of department. Prerequisites: Admittance to the Educator Preparation Program; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SPED 4340. Evidence-Based Instructional Practices for Students with Mild or Moderate Disabilities.
This course delineates evidence-based instructional theories and practices for students with mild or moderate disabilities and targets curricular and instructional design for students who need specialized methods for successful learning. Topics include curriculum-based measurement and progress monitoring, evidence-based strategies matched to presenting characteristics, and evidence-based inclusion models. Prerequisite: 2.75 Overall GPA, SPED 2360 with a grade of "C" or better. Corequisite: SPED 3390 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 4344. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented. Prerequisite: 2.75 overall GPA. Junior classification required. Must be admitted to the Educator Preparation Program or Minor in Special Education.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 4345. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas. Prerequisites: Admittance to the Educator Preparation Program and Minor in Special Education; SPED 2360 with a grade of "C" or better; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 4374. Classroom and Behavior Management Strategies for Students with Disabilities.
Effective strategies for classroom management. Topics include: common management problems, evaluation of classroom management approaches, strategies for preventing behavior problems, teaching new behaviors, increasing desired group and individual behaviors, and positive strategies for reducing inappropriate group and individual behaviors. Prerequisites: Admittance to the Educator Preparation Program or Minor in Special Education; 2.75 Overall GPA.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 4381. Educating Students with Intellectual and Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques pertaining to individuals with intellectual and developmental disabilities. Techniques include specialized assessment and instructional strategies, functional curriculum development, transition planning, positive behavior supports, and assistive technologies. Prerequisites: Must be declared as seeking All-Level Special Education teacher certification or with a Special Education minor; if SPED 2360 is taken prior to this course, students must have earned a "C" or better. Corequisite: SPED 2360.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 4389. Special Education Practicum.
This course provides opportunities for students to design and apply assessment, planning, and instructional strategies. Students may be required to instruct in one or more content areas including academic, life, social, prevocational or vocational and/or communication skills. Prerequisites: Admittance to the Educator Preparation Program; SPED 2360 and SPED 4345 and SPED 4374 and SPED 3338 or SPED 4381, all with a grade of "D" or better; 2.75 Overall GPA.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5310. Selected Topics in Special Education.
In-depth study of selected topics of current interest in special education. Work done on independent study basis with faculty member and available only with permission of department. May be repeated for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5311. Teaching Language Arts to Students with Disabilities.
Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5313. Education Students with Emotional/Behavioral Disorders.
Specific strategies and issues associated with effective instruction of students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5314. Advanced Educational Strategies for Students with Autism.
This course examines theories and specialized instructional strategies pertaining to the education of children and youth with Autism Spectrum Disorders. Prerequisite: SPED 5327.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5324. Ethics, Trends & Issues in Ed & Treatment of Students with Autism & Other Developmental Disabilities.
This course prepares special education teachers, behavior analysts, and other professionals associated with the education and treatment of students with autism for the ethical issues encountered in schools, homes, and clinics. This course emphasizes the ethical guidelines for responsible conduct established by the Behavior Analyst Certification Board. Restricted to Special Education Majors only.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5326. Educating Students with Mild Disabilities.
Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5327. Educating Students with Autism and Other Developmental Disabilities.
This course provides an overview of student characteristics and appropriate instructional techniques for individuals with developmental disabilities. Topics include specialized assessment and evidence-based practices, functional curriculum development, transition planning, medical and physical management, and assistive technologies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5329. Language Development and Intervention for Special Populations.
This course covers typical and atypical language development and intervention programming for individuals with significant language delays or disorders. Topics include assessment of language and social communication, individualized program development, and specialized language interventions across settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5334. Assessment and Evaluation of Students with Disabilities.
The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction and remediation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5340. Principles and Practices of Effective Instruction.
This course provides study of research-based instructional theory and practices for students with disabilities. Focus is on instructional methods and curriculum for students with disabilities in special education settings. Topics include curricular planning, curriculum-based measurement, evidence-based strategies for facilitating student learning, and unique curricular needs of students with disabilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5354. Advanced Studies in School Discipline, Order, and Safety.
This course provides advanced study of issues related to school discipline, order, and safety. Topics include historical perspectives, studies of school discipline and safety, effects of school disorder, policies and practices in school discipline, disproportionality in school discipline, school-wide positive behavior supports, and trans-disciplinary and comprehensive approaches to school discipline.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5355. Characteristics of Students with Learning Disabilities.
This course reviews the latest research on learning disabilities in each developmental area. The focus is on identification and eligibility issues. Topics include changing definitions, medical aspects, cognition and language characteristics, personality and social characteristics, generic instructional approaches, technology, and issues in the future of learning disabilities. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5356. Advanced Practices in Learning Disabilities/Inclusion.
This course reviews research-based instructional strategies for students with learning disabilities, focusing on proven practices and on improving instructional decision-making across content areas and grade levels. Topics include: understanding learning disabilities, response to intervention, individualized educational plans, differentiating instruction, assessment, collaborative partnerships, and facilitating content-area instruction and study skills. Prerequisite or Co-requisite: SPED 5326 or SPED 5340.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5360. Survey of Exceptionality.
Course provides for the examination of types, characteristics, and etiologies of various exceptionalities; identification of federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5375. Behavior Management: School Application of Applied Behavior Analysis.
Course topics include planning and utilizing behavioral techniques such as functional assessment/analysis, behavioral recording, differential reinforcement, antecedent manipulation, generalization training, and self-management.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5376. Advanced Intervention Practices for Challenging Behavior.
This course prepares behavior analysts, school psychologists, teachers, and other professionals responsible for the education and treatment of individuals with developmental disability and/or behavior disorders to use applied behavior analysis to treat severe problem behavior. The focus is on severe behaviors not ameliorated by typical classroom management and intervention. Prerequisite: SPED 5375 with a “C” or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5380. Positive Behavior Interventions and Supports in Schools.
This course covers theory, issues, and applications of Positive Behavior Interventions and Supports (PBIS) in school settings. Topics include history and foundations of PBIS; PBIS assessment and evaluation; and best practices in behavior and academic interventions in PBIS programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5382. Advanced Practices in Educating Students with Emotional/Behavioral Disorders.
This course covers advanced principles, concepts, and practices related to educating students with Emotional/Behavioral Disorders. Emphasis will be on school-based services, including advanced, evidence-based instructional and behavioral interventions for improving academic, social, and behavioral outcomes. Prerequisites: Prior completion or concurrent enrollment in SPED 5311 or SPED 5340 and SPED 5375 and SPED 5313, all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5386. Advanced Techniques in Applied Behavioral Analysis.
Course covers advanced principles of Applied Behavior Analysis, including assessment and development of interventions. Topics include foundations and ethics of ABA, the analysis of verbal behavior, functional behavior analysis, single subject design, and program development and evaluation. Prerequisite: SPED 5375 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5387. Single-Subject Research Methods and Designs.
Single-subject analysis is a primary research methodology in special education and other related human service fields. This course will address uses of this methodology in applied behavior analysis for development of effective classroom instruction and clinical interventions and for evaluation and accountability purposes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5389. Special Education Practicum.
Design and implement educational programs for students with disabilities including assessment, planning, instruction, progress reporting, and development of annual goals and objectives. Supervised. Prerequisites: SPED 5311 and SPED 5313 and SPED 5327 and SPED 5334 and SPED 5340 all SPED 5375 all with a grade of "C" or better. A student may take two of the prerequisites concurrently with SPED 5389.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5391. Field-Based Practicum in Autism Spectrum Disorders.
This course provides intensive field experience working with students with autism in school settings. Skills to be practiced include interventions based on applied behavior analysis, assessment of learning needs, behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisite or Co-requisite: SPED 5327 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 10 Lab Contact Hours.
Grade Mode: Standard Letter

SPED 5392. Field Based Practicum in Behavior Disorders/Positive Behavior Supports.
This course provides intensive field experience working with students with behavior disorders in school settings to include practices based in positive behavior supports, applied behavior analysis, assessment of learning needs and behavior function, application of instructional and behavioral interventions, and evaluation of student progress. Repeatable for credit. Prerequisites: SPED 5313 and SPED 5380 and SPED 5382 and SPED 5375 all with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 8 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

Student Affairs in Higher Education (SAHE)

SAHE 4178. Student Leadership in Higher Education.
This course provides students with knowledge to strengthen the campus experience through holding student leadership roles. Students will learn skills, principles, and characteristics necessary for responsible and positive leadership as well as the role of student leadership and student engagement in higher education. Repeatable for credit with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

SAHE 5311. Advising and Facilitating Student Groups and Organizations.
Designed for student affairs professionals, this course focuses on effectively advising and facilitating a diverse array of student groups and organizations. Topics include: one-on-one and group advising, collaboration, group facilitation, conflict resolution/mediation, supervision, mentoring, teamwork, and teambuilding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5322. Governance and Legal Issues in Higher Education.
This course provides for the identification and understanding of the legal issues, which influence institutions of higher education. There is also a focus on how postsecondary institutions are governed by Boards of Regents as well as both state and federal governments.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5323. Assessment, Strategic Planning, and Evaluation in Student Affairs.
This course covers the theoretical bases for assessment techniques; research design; strategic planning; developing, managing, and evaluating student affairs programs including information management and computer applications in higher education; and methods of needs analysis applicable to college student populations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5335. Leadership in Student Affairs.
This course provides an examination of leadership in student affairs and higher education through the study of leadership and organizational theory. Additionally, the course focuses on student leadership development. Students will be prepared to apply their knowledge of leadership theories and models to practice leadership and develop leadership in others.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5339. Higher Education and Student Affairs Administration.
This course provides an overview and examination of higher education and student affairs administration with a focus on institutional programs, services, practices, resources, and best practices that support student engagement and success.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5340. College Student Development: Theory & Practice.
This course seeks to provide in-depth understanding of developmental needs and issues of college and university students, identifies ways to enhance learning by considering developmental and environmental effects, and offers practice in creating learning opportunities that consider developmental needs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5354. Basic Helping Skills.
This course will assist students with the development of basic communication, crisis assessment, and referral skills, through the use of role playing and modeling. It provides didactic and experiential activities to facilitate the acquisition of skills essential to helping in the student affairs context.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5387. Research Methods in Student Affairs.
Understanding research is an important part of higher education administration. This course focuses on research measurement and design procedures for addressing issues in student affairs in higher education. Students will learn quantitative and qualitative methods as well as fundamentals for reviewing, understanding, and applying research literature. Corequisite: SAHE 5390 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5388. Internship I - Student Affairs.
With a focus on bridging theory and practice, Internship I focuses on applying professional and theoretical knowledge to a student affairs internship setting and making meaning of one's internship experience. The course involves in-class meetings and clocked internship hours. Repeatable with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SAHE 5389. Internship II - Student Affairs.
With a focus on career development, Internship II emphasizes applying coursework and practice to students' future careers. The course includes functional area exploration, resume and cover letter development, job search strategies, and interviewing skills. The course involves in-class meetings and clocked internship hours. Repeatable with departmental approval.
3 Credit Hours. 1 Lecture Contact Hour. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SAHE 5390. Student Affairs Functions and Professional Orientation.
This course covers the history of student affairs in higher education; the context in which student affairs exists in higher education; the theories used in student affairs work and its philosophical foundations; and the mission, goals, and programs of selected functions in student affairs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5392. Student Affairs Capstone: The Application of Principles and Theories to Case Studies.
Utilizing case study format, students examine the application of Student Affairs theories and principles to significant issues, functions, and problems that student affairs administrators manage in work settings. Topics include ethical decision-making, management and leadership problems, human resource development, governance and legal issues, finance and budgeting, and evaluation and assessment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 5393. Multicultural Practice and Social Justice in Student Affairs.
This course focuses on the awareness, knowledge, and skills necessary to be multiculturally competent and socially just student affairs professionals. Additionally, the course focuses on diverse characteristics and needs of contemporary college students.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 7178. Independent Study.
This course focuses on individual research topics. Students choose a selected area of study and work independently on a specialized project. Repeatable with departmental approval.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SAHE 7278. Independent Study.
This course focuses on individual research topics. Students choose a selected area of study and work independently on a specialized project. Repeatable with departmental approval.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SAHE 7345. Gender and Sexuality in College.
This course examines the role of gender and sexuality in the college experience. Designed using feminist theory and a social justice framework, the course includes topics of gender identity development, intersectionality, and multiple identities, sexual orientation, gender privilege and oppression, gender disparities in achievement and persistence, femininity, and masculinity.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SAHE 7378. Independent Study.
This course focuses on individual research topics. Students choose a selected area of study and work independently on a specialized project. Repeatable with departmental approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SAHE 7379B. Higher Education and Student Affairs in Qatar.
This course focuses on higher education and student affairs in the country of Qatar. Qatari colleges and American higher education branch campuses in Qatar will be examined. Topics include Qatari and Arab history and culture, student affairs services in Qatar, student development and student involvement, and intercultural competence.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SAHE 7379C. Professional Development in Student Affairs.
Professional development plays an important role in student affairs. This course will allow students to learn more about professional development, professional associations, and conferences. Additionally, students will attend a professional conference and explore the theme of the conference through readings and meetings with professional association leaders and speakers.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SAHE 7379E. Intergroup Dialogue.
This course is designed to give students both a theoretical and practical foundation in the knowledge, understanding, and skills needed to effectively facilitate intergroup dialogue. While providing foundational grounding in the theory and pedagogy of intergroup dialogue, the course directs particular attention to intergroup dynamics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

SAHE 7379F. Interpersonal and Group Facilitation.
This course is designed to give students both a theoretical and practical foundation in the knowledge, understanding, and skills needed to effectively facilitate groups and group development. Communication, facilitation, peer leadership, and experiential learning are the focus of the course.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

Sustainability Studies (SUST)

SUST 5105. Practicum in Teaching.
This course is an introduction to key concepts and practices in the teaching of college courses. It provides regular in-service training and planned periodic evaluations of instructional responsibilities. It is required for first-year teaching and instructional assistants in the MA and MS in Sustainability programs. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

SUST 5197. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5198B. Professional Project II.
This course represents a student's continuing enrollment to complete the professional project. The student continues to enroll in this course until the project is completed and approved by the committee.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

SUST 5199B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5297. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5299B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5301. Seminar in Sustainability.
The seminar in sustainability is an opportunity for students to learn about issues from a wide-ranging set of perspectives. The seminar is, by design, interdisciplinary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5397. Directed Study.
This course involves individual work with specific guidance from graduate faculty. Work may include participation in research, professional practice, and/or critical review of the related literature. Course may be repeated once for credit when topics vary.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5398. Professional Project.
This course involves individual work related to a professional topic or project with specific guidance from graduate faculty. The project requires the completion of a rigorous paper that is the culmination of the final paper/project for the non-thesis degree in Sustainability Studies.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

SUST 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until the student has completed the thesis in SUST 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

SUST 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Technology (TECH)

TECH 1311. Engineering Design Graphics.
This course provides an introduction to the fundamentals of technical drawing and the related graphical tools used to communicate engineering design concepts. The topics include two dimensional graphics, orthographic projections, geometric dimensioning and tolerancing, computer-aided graphics, parametric solid modeling, and introduction to three dimensional graphics.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 1363. Manufacturing Processes I.
The course will provide an overview of the manufacturing processes. Major emphasis is placed on machining theory, setup and tooling. Metal forming and fabrication procedures are introduced. Joining and assembly includes welding, mechanical fastening, adhesive bonding and surface finishing concepts. Laboratory demonstrations and tutorials involve machining, joining and forming techniques.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 1393. Manufacturing Processes II.
The course involves the fundamentals of casting and molding processes. Emphasis is placed on casting terminology, molding sand, molding processes, pattern making, coremaking and quality control. Ferrous and non-ferrous alloy composition and casting geometry are explored. Plastic and composite forming concepts are included. Microelectonic manufacturing principles and processes are introduced. Prerequisite: TECH 1363 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 2190. Industrial Internship.
This course is a supervised experiential learning course in various technical disciplines as appropriate to a student's degree program. This work integrated learning course helps the student link theory with practice. Repeatable for credit. Prerequisites: 45 hours completed with at least 12 having been completed at Texas State and a minimum major GPA of 2.25.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 2310. Introduction to Computer-Aided Design (CAD).
Principles of 3D modeling are introduced in the preparation of drawings for manufacturing processes. Emphasis includes the parametric solid modeling of machine elements and geometric dimensioning and tolerancing. The laboratory component involves production of engineering drawings and simulations connecting this course to computer-aided engineering. Prerequisite: ENGR 1313 or TECH 1311 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 2340. Environmental Technology I.
This course emphasizes the fundamental chemical, biological, ecological and hydrological principles, and mass and energy balances involved in solving environmental problems. Specific environmental areas covered include water, water quality and wastewater treatment. Environmental regulations and testing as pertinent to water will be covered. Prerequisite: CHEM 1342 and PHYS 1430 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 2344. Power Technology.
This class deals with understanding the basic laws of thermo-dynamics. It probes efficiency and examines energy-converting devices from the inputs, processes, outputs model. Internal combustion engines, electric motors, hydraulic, pneumatic, and gearing systems, and fuel analysis are reviewed from a practical and theoretical perspective. Prerequisites: [MATH 1315 or MATH 1317 or MATH 2417 or MATH 2471] and [(PHYS 1115 and PHYS 1315) or PHYS 1430] all with grades of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 2351. Statics and Strength of Materials.
Course covers principles of statics and strength of materials to include forces, equilibrium, friction, centroids, and stress/strain relationships, axial stress and deformation, thermal stress and deformation, stress concentrations, factor of safety, torsional stress, beam stresses and combined stress. Prerequisite: [CSM 2342 or ENGR 2300] and [(PHYS 1115 and PHYS 1315) or PHYS 1430] all with grades of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 2370. Electricity/Electronics Fundamentals.
This course covers fundamentals of safety, Ohm's Law, series, parallel, and series/parallel circuits, meters, relays, DC/AC circuit analysis and basic semiconductors.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: ENGR 2305

TECH 3322. Development of Technology.
The role of technology in the development of Western World culture is studied from a technical perspective. Social repercussions resulting from the introduction of foundational technical developments are reviewed. Examples of technical areas examined are agriculture, transportation, manufacturing, engineering, defense, and communications. Readings focus discussions and papers on specific topics and encourage synthesis level understanding. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

TECH 3340. Environmental Technology II.
This course covers air pollution, solid waste and hazardous waste management, sustainability and risk management. Environmental regulations and testing as pertinent to soils, sediments, residual and air will be covered. Prerequisite: TECH 2340 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 3344. Applied Thermofluids.
Basic concepts, first and second laws of thermodynamics, thermodynamic properties, heat transfer by conduction, convection and radiation, fluid statics and fluid dynamics are studied. Prerequisite: PHYS 1430 and TECH 2344 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 3345. Principles of Lean Systems.
The course provides an in-depth understanding of the lean principles as they apply to manufacturing and service organizations with emphasis on lean tools and concepts such as Value Stream Mapping, 5S, kaizen, waste, takt/cycle time, visual control, six-sigma, mistake proofing, single piece flow, cell design and pull systems. Prerequisite: TECH 3364 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 3357. Facilities Planning and Design.
This project-based course provides students with a practical knowledge of designing efficient facility layout and material handling system. Systematic layout planning (SLP) based on a product and process information is studied in depth. Simulation tools are used for flow analysis. Prerequisities: TECH 2310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 3364. Quality Assurance.
This course covers the principles of quality management to include basic probability and statistics concepts, control charts for attributes and variables, sampling plans, quality audits and costs. The laboratory component of this class includes exercises that provide exposure to basic metrology and data collection.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 3370. Electronics.
This course is a study of the characteristics of basic electronic circuits and their component parts. Course content includes the use of electronic test equipment, inductance, capacitance, reactance, impedance, rectification, switching, amplification, and electronic circuitfabrication. Prerequisite: EE 2400 or TECH 2370 either with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 3373. Communication Systems.
This course deals with basic principles of communication systems. Specific topics include analysis of signals and systems, modulation techniques (digital and analog), analysis of transmitters and receivers, networking, and wireless communication systems. Prerequisite: EE 2400 or TECH 2370 either with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 4330. Foundry & Heat Treatment.
The technical aspects of foundry and heat treatment of ferrous and non-ferrous metals are reviewed. Students gain proficiency with interpretation of binary phase diagrams, mathematical modeling of gate and runner systems, micro-structural analysis, process cost evaluation, sand casting, and investment casting. The course includes writing technical reports and conducting experiments. Prerequisites: ENGR 2300 and [ENGR 1313 or TECH 1311] and [MFGE 2332 or TECH 1393] all with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

TECH 4340. Design for Environment.
This course covers the basic principles of design for environment. Topics covered include: industrial ecology, resource depletion, product design, process design, material selection, energy efficiency, product delivery, use, end of life and life cycle analysis. Prerequisite: TECH 3340 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 4362. Manufacturing Process Engineering.
This course will provide students with fundamentals of manufacturing processes planning and engineering. Major emphasis will be placed on make-buy analysis, tolerance analysis and dimensional control, tool and fixture design, process and material selection, design for manufacturing, design for assembly, and process planning. Prerequisites: TECH 1393 and TECH 2310 both with grades of "C" or better.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 4365. Machine Elements: Dynamics and Design.
Principles of the design of mechanical components; theories of failure; material selection; design of shafts, gears, cams, fasteners, springs and brakes; dynamics; balancing of machinery and vibration control are studied. Prerequisite: TECH 2310 and TECH 2351 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 4372. Electronic Devices and Circuits.
This course covers transistor configurations, field effect transistors and circuits, voltage regulation, amplifier feedback principles, operational amplifiers and circuitry, and unijunction transistors and applications. Prerequisites: EE 2400 or TECH 2370 either with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 4373. Control Systems and Instrumentation.
This course is an introduction to modern control systems and instrumentation. Topics covered include transducers, sensors, actuators, instrumentation, open and closed loop control systems, PID controllers, programmable logic controllers and ladder logic, and computer interface software and hardware. Prerequisites: EE 2400 or TECH 2370 either with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 4374. Digital Systems.
Solid state digital electronics from basic concepts to current industrial needs in terms of logic gates (all types), number systems counters (all types), registers (all types), sequential control circuits, and shift register generator. Prerequisite: PHYS 2425 or TECH 2370 either with a grade of "C" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 4380. Industrial Safety.
Introduction to the field of industrial safety with emphasis on compliance with Federal and State regulations. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

TECH 4389A. Advanced Residential Construction.
Advanced concepts in residential construction are covered including land acquisition, land development, infrastructure, deed restrictions, cash flow, financial forecasting, marketing, scheduling and sustainable building practices. Prerequisite: CSM 2360 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TECH 4389B. Construction Industry Best Practices.
This course will cover current issues facing the construction industry today including the best practices used to resolve these issues. Several industry leaders will lecture on these contemporary problems facing the industry. Restricted to Junior level Construction Science and Management Majors.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TECH 4390. Internship.
Supervised on-the-job professional learning experience in construction, manufacturing, electronics, and other technical areas. This course provides practical work experience in their particular field of interest. Repeatable for credit. (WI) Prerequisites: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Dual Enrollment Permitted|Time Conflicts Permitted|Writing Intensive
Grade Mode: Standard Letter

TECH 4392. Micro and Nano Manufacturing.
This course covers the basic principles of micro and nano manufacturing. Emphasis is placed on the process descriptions, terminology, equipment requirements, and processes for micro and nano systems. Basic physics and process chemistry is combined with control schemes to arrive at overall systems descriptions. Prerequisite: [CHEM 1335 or CHEM 1341] and [PHYS 1325 or PHYS 1420 or PHYS 2425] both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 4395. Automated Manufacturing Systems I.
This course primarily deals with automation in industrial systems. In particular, this course focuses on automation and control technologies in manufacturing systems at machine and device levels. Included in its structure are areas such as fundamentals of industrial automation, sensors and actuators, numerical control, robotics, and PLC. Prerequisites: TECH 2310 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 4396. Automated Manufacturing Systems II.
This course primarily deals with automation, simulation, and digitization in industrial systems. Course topics include discrete-event simulation of manufacturing systems , automated quality control and inspection, automated identification, industrial Internet of Things, automated material handling, automated data acquisition systems, and applied finite element analysis. Prerequisites: TECH 4395 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 4397. Special Problems.
The investigation of a special topic by developing the problem, researching the topic, and presenting the findings as they apply to industry/technology. This course will be applicable to all areas of technology, and must be done only with the approval of the cooperating faculty member and Department Chair. Repeatable for credit with different emphasis. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TECH 4398. Senior Design.
This course deals with application of technical and non-technical skills and knowledge using a multidisciplinary team-based approach for solving real-world problems related to product and process development. The topics include systematic product design, requirements analysis, project management, cost estimation, documentation and presentation, prototyping, fabrication and concurrent engineering. (WI) Prerequisites: EE 3400 or TECH 3340 or TECH 3373 or TECH 4372 or TECH 4395 any with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required|Writing Intensive
Grade Mode: Standard Letter

TECH 5100. Academic Instruction for Technology.
The course is seminar based and covers topics related to teaching and employment responsibilities. Completion of this course is required as a condition of employment for graduate assistants. This course does not earn graduate degree credit. Repeatable with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

TECH 5195. Industrial Internship.
This course is a supervised experiential learning course in Technology Management. This work integrated learning course helps the student link theory with practice. Repeatable for credit. Prerequisites: Instructor approval.
1 Credit Hour. 0 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5307. Fundamentals of Manufacturing Processes.
Application of metal cutting principles. Includes steel rule dye layout, machine layout, tool life, tool wear, tool geometry and reconditioning, principles of feed rate and speed, material removal rates and power consumption. Machining of steel and castings using various cutting tools. This course does not count toward degree credit.
3 Credit Hours. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling
Grade Mode: Leveling/Assistantships

TECH 5310. Product Design and Development.
This course provides an overview of the new product realization process. The focus is on the steps of systematic product design including problem identification, product planning, conceptual design, and embodiment design. Standard CAD tools are employed for product modeling. Prerequisite: TECH 2310 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5311. Computer Aided Engineering.
Application of computer hardware and software to the design of products and systems; geometric modeling; engineering computational methods; overview of engineering analysis software which may include finite element analysis, manufacturing simulation, solidification modeling, and rapid prototyping.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TECH 5315. Engineering Economic Analysis.
This course deals with economic analytical techniques used in engineering decision making. Topics include time value of money, comparing alternatives, depreciation, replacement, and income tax considerations. Prerequisite: MATH 1315 or MATH 1319 either with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5364. Robust Product and Process Design.
Provides the student with in-depth knowledge of inferential statistics as applied to design of robust processes and products. Topics covered include probability distributions, ANOVA, fractional factorial design, response surface method, orthogonal arrays, and Taguchi method. Prior experience with introductory-level statistics is assumed. Prerequisite: TECH 5394 with a grade "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5365. Industrial Project Management and Scheduling.
Introduce students to industrial management system concepts and applications as they relate to management operations; system design, implementation and management; case studies of practices; and application of theory to practical problems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5382. Industrial Ecology and Sustainability Engineering.
This course covers the basic principles of life cycle analysis (LCA) of engineered products and processes. Topics covered include: industrial ecology, resource depletion, product design, process design, material selection, energy efficiency, product delivery, use, and end of life considerations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5384. Problems in Technology.
Graduate students investigate a special topic by developing a technical problem, researching the topic, and presenting the findings. Plans will be developed on an individual basis with strict faculty supervision. May be repeated for additional credit with permission of the department chair.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5385. Readings in Technology.
A study of the ethical and moral viewpoints typically associated with American society as related to the development and introduction of new technology and engineering. Past, present, and future issues will be studied with selected readings focusing on industrial related problems and issues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5387. Advanced Facilities Planning.
An in-depth study of technical problems encountered in designing, equipping, arranging, and specifying facility requirements for industrial and technical training facilities.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5390. Research in Technology.
Examination of scientific methods including theory formulation, deductive reasoning, hypothesis generation, observation, inductive reasoning, and theory revision. Categories of research are compared and contrasted as regards methodology. In-depth study of experimental research as it relates to significant industrial problems including considerations of design, internal and external validity, and appropriate analytical technique. Introduction to data analysis and its proper interpretation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5391. Advanced Manufacturing Systems.
This course introduces students to various advanced tools, technologies, and strategies in modern manufacturing. An emphasis is placed on the state-of-the-art in factory automation and global and smart manufacturing enterprises. Topics include process automation and control, advanced manufacturing processes, intelligent manufacturing control, and information and communication technology (ICT) in manufacturing. Prerequisites: TECH 5307 with a grade of "C" or better or instructor approval.
3 Credit Hours. 2 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5392. Fundamentals of Microelectronics Manufacturing.
An introduction to integrated circuit fabrication to include crystal growth, wafer preparation, epitaxial growth, oxidation, diffusion, ionimplantation, thin film deposition, lithography, etching, device and circuit formation, packaging and testing. Significant project includes circuit design/simulation and/or process design. Laboratory component involves actual production/testing of a functional semiconductor device.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5394. Design of Industrial Experiments.
This course deals with the study of the fundamentals and applications of industrial experiments. Prerequisite: TECH 5390 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TECH 5398. Directed Project.
This course is a formal investigation into a business or industry problem. The directed project is an applied research project that is more extensive than an independent study and less extensive than a thesis. The course culminates in a detailed project report and oral presentation. Prerequisite: TECH 5394 with a grade of "C" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Credit/No Credit

TECH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Technology 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TECH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

Theatre (TH)

TH 1111. Production Crew.
This course provides students with vital production experience in the operation of a live theatrical event.
1 Credit Hour. 1 Lecture Contact Hour. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 1121. Musical Theatre Singing Technique I.
This course in vocal instruction focuses on technique, musicality and performance for the Musical Theatre performer.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1122. Musical Theatre Singing Technique II.
This course in vocal instruction continues the work done in TH 1121 and focuses on technique, musicality and performance for the Musical Theatre performer. Prerequisite: TH 1121 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1160. Musical Theatre Jazz I.
This course focuses on beginning jazz dance technique for Musical Theatre students including jazz walks, weight shifts, isolations, stretches, and combinations. Combinations are designed to challenge and enhance the students' knowledge of the various styles and methodologies of jazz dance and to develop performance and choreographic abilities in these styles.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1180. Musical Theatre Ballet I.
This course introduces the basic technique and steps of classical ballet to Musical Theatre students. Basic barre exercises, positions and traveling steps of the ballet movement vocabulary will be taught and practiced for mastery. Students will also gain an understanding of ballet as a performing art.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1210. Introduction to Musical Theatre.
This course focuses on foundations for training for a professional career in musical theatre, with particular emphasis on interview and audition skills.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1211. Introduction to Musical Theatre II.
This class continues the foundational work established in TH 1210 Introduction to Musical Theatre. It further develops the interview and audition skills necessary for a professional career in musical theatre. Prerequisite: TH 1210 with a grade of "D" or better.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1312. Musical Theatre Musicianship I.
This course offers detailed instruction in fundamentals of musicianship for the Musical Theatre performer, including notation, meters, scales, key signatures, intervals, chords, and sight singing. Equal emphasis is placed on practical skills and theoretical analysis of the musical theatre canon.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1314. Musical Theatre Musicianship II.
This course offers continued practice of the essential elements of musicianship for the Musical Theatre performer including higher levels of ear training and sight-singing. Equal emphasis is placed on practical skills and theoretical analysis of the Musical Theatre canon. Prerequisite: TH 1312 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1340. Voice and Diction.
The human voice and the sounds of speech. The student's own voice and pronunciation will be the primary concern, using practice sessions to develop more acceptable patterns of voice and sound.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DRAM 2336

TH 1345. Beginning Voice.
This course teaches basic principles of vocal production and its anatomy, including vocal variety and instinctual choice. It emphasizes proper vocal support, range, flexibility and health.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1350. Introduction to Theatrical Design.
Course introduces the freshman theatre major to the four primary areas of theatrical design: costume design, scenic design, sound design, and lighting design. Each area's practice is explored and analyzed through a series of exercises that incorporate design projects.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1353. Film Production Practices.
This course provides an introduction to the art and practice of filmmaking. Students analyze the components of a film and examines the tools of filmmaking, including the camera, script, sound equipment, and editing software.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1354. Movement I.
Creative movement for the theatre. Designed to stimulate the actor's body to increase flexibility and the kinetic response to environmental stimulus through exercise and research into the physical process.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: DRAM 1322

TH 1355. Movement II.
A continuation of Movement I and the exploration of kinesthetic response for the actor, using movement techniques in class performances and further research into the techniques of Alexander, Feldenkrais, and Laban. Prerequisite: TH 1354 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 1364. Beginning Acting.
Beginning Acting. (2-1) Classroom exercises designed to explore and discover the actor's inner resources, and to develop the personal awareness of the student's imaginative potential. May be taken by non-majors independently.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: DRAM 1351

TH 1365. Intermediate Acting.
Intermediate Acting. (2-1) Classroom exercises designed to continue the exploration of the actor's inner resources; additional work on discovering techniques of developing a character. May be taken by non-majors independently. Prerequisite: TH 1364 with a grade of "D" or better.
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.
Grade Mode: Standard Letter
TCCN: DRAM 1352

TH 2111. Theatre Activities.
A course designed to provide credit for participation in theatre activities. May be repeated to a total of four credits.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter
TCCN: DRAM 1120

TH 2161. Musical Theatre Jazz II.
This course focuses on intermediate jazz dance technique for Musical Theatre students including complex weight shifts, syncopations, coordination and isolation techniques. Exercise and floor combinations are designed to challenge and improve previously obtained motor skills and to enhance knowledge of correct mechanics of dance as a performing art. Prerequisite: TH 1160 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 2181. Musical Theatre Ballet II.
This course introduces intermediate technique and steps of classical ballet to Musical Theatre students. Intermediate barre exercises, positions and traveling steps of the ballet movement vocabulary will be taught and practiced for mastery. Students will also gain an understanding of ballet as a performing art. Prerequisite: TH 1180 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 2210. Intermediate Musical Theatre I.
This course focuses on intermediate interview and audition skills, intermediate personalizing the lyric skills, intermediate marketing skills,and basic scene study skills.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 2211. Intermediate Musical Theatre II.
This course focuses on intermediate musical theatre theory and analysis, acting through movement, and scene study of both period and contemporary musical theatre works.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 2313. Introduction to Fine Arts.
An introductory course designed to give the student a fundamental understanding of the creation and appreciation of diverse modes of expression through the visual and performing arts. This course may not be repeated for credit by taking ART 2313, DAN 2313, or MU 2313.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Creative Arts Core 050
Grade Mode: Standard Letter
TCCN: HUMA 1315

TH 2330. Stagecraft and Stage Lighting.
This class teaches the facilities, tools, materials and techniques used to build scenery safely and effectively in the modern theatre. It also covers the facilities, tools, and techniques used to safely and effectively read a light plot, hang and focus stage lighting instruments. It includes a hands-on lab.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 2345. Experiencing Speech.
This class focuses on the understanding of and the ability to use speech articulators in order to allow full, healthy production of all the sounds made in human language. While breaking chronic speech patterns, it aims for full speech flexibility and ability to healthfully create any sound the character requires. Prerequisite: TH 1345 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 2354. Characterization.
A studio acting course in which the student explores and develops techniques of creating a role. Prerequisite: TH 1365 or equivalent with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter
TCCN: DRAM 2351

TH 2355. Introduction to Playwriting.
This course focuses on reading and analyzing contemporary plays, as well as short-form writing exercises, leading to the creation of original scenes. Students will read and deconstruct four contemporary plays as well as engage in various short-form writing exercises culminating in an original scene as their final creative project.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3111. Theatre Activities.
This course is designed to provide credit for participation in theatre activities. It typically involves working on a departmental production. May be repeated for credit with different emphasis.
1 Credit Hour. 1 Lecture Contact Hour. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3120. Musical Theatre Singing Technique.
This course is for advanced, private study in musical theater singing technique. Via private instruction, students will study multiple areas of musical theatre singing technique including singing for the microphone, belting, placement, and diverse musical theater styles (pop, rock, Golden Age, contemporary musical theater, etc). Prerequisite: MUSP 1121 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3150. Pop Rock Repertoire Building.
This class develops repertoire and vocal styles in 12 pop/rock genres of music, preparing students for the current demands of the musical theatre industry, including building repertoire for their professional audition books. Prerequisite: TH 1211 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3151. Musical Theatre Tap I.
This class covers the basic steps of tap technique and how it applies to musical theatre. Students learn coordination, rhythmic variations, and performance skills through a series of tap combinations and exercises. They also explore the concepts of dancing as an ensemble. Prerequisite: TH 2161 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3152. Musical Theatre Tap II.
This class expands on skills covered in Musical Theater Tap 1. Basic steps are perfected and more difficult steps and combinations are learned. Longer sequences set to Musical Theatre and contemporary music are mastered, and attention is given to ensemble work, rhythmic variations, and performance skills. Prerequisite: TH 3151 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3162. Musical Theatre Jazz III.
This course focuses on advanced jazz dance technique for Musical Theatre students including complex coordination and combinations requiring increased levels of technique, strength and flexibility. Emphasis is on developing ability to quickly master challenging choreography while continuing to develop new skills. There is a continuing emphasis on biomechanics and choreography. Prerequisite: TH 2161 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3171. Musical Theatre Dance I.
This course involves the study of dance as it pertains to Musical Theatre performance. Along with technique fundamentals, students hone the skills necessary for effective character development, storytelling, and auditioning. The course also covers some styles that make up Musical Theatre including Traditional Broadway, Charleston, Hip-Hop, and various Ballroom dances. Prerequisite: TH 2181 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3172. Musical Theatre Dance II.
This course involves the study of dance, movement, and staging for Musical Theatre and culminates in student-choreographed works from Musical Theatre productions. It includes strategies for learning and performing dance combinations as they occur in professional dance auditions. It also explores styles such as Fosse, Contemporary, and Commercial Dance. Prerequisite: TH 3171 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3182. Musical Theatre Ballet III.
This course introduces advanced technique and steps of classical ballet to Musical Theatre students. Advanced barre exercises, positions and traveling steps of the ballet movement vocabulary will be taught and practiced for mastery. Students will also gain an understanding of ballet as a performing art. Prerequisite: TH 2181 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3305. Theatre in the Community.
This course combines community service (creating theatre for or with non-profit community organizations that serve at-risk populations) with readings, discussions, and collaboration on societal applications of performing arts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3310. Intermediate Voice.
Continuing development of the fundamentals of voice and speech for the stage as well as exploring language and text. Practical application through assignments and in-class exercises. Prerequisite: TH 2345 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3320. History of the Theatre I.
A study of the theatre and its place in the social and cultural evolution from primitive civilization to 1700. Selected examples of theatre literature are studied. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

TH 3321. History of the Theatre II.
A study of the theatre and its place in the social and cultural evolution from 1700 to the present. Selected examples of theatre literature are studied. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

TH 3322. History of Musical Theatre.
Course examines the history of musical theatre, from its antecedents through its Golden Age to present-day issues. In the process students will study musical theatre's elements and structure, as well as its creators, including major librettists, composers, lyricists, designers, directors, choreographers, and performers.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3330. Advanced Stagecraft.
This course covers the facilities, tools, materials, equipment and techniques used to safely produce, from a technical standpoint, live theatrical performances. The course includes woodworking, metal working, stage rigging, stage lighting, audio and, in general, good stage hand practices. Prerequisite: TH 2330 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3331. Theatrical Drafting: By Hand.
This course is a study of manual drafting techniques for theatrical designers and technicians. Prerequisite: TH 2330 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3332. Introduction to Stage Properties.
This course introduces students to the categories of theatrical properties, as well as the practices and processes of the theatrical Prop Master as they pertain to the execution of a collaborative production.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3333. Creating Comedy: Crafting Stand-Up, Sketch, and Improv.
This course breaks down the craft of writing comedy in various mediums and provides an understanding of the basic history of American comedy from the eras of Vaudeville to digital. In addition to studying the history of comedy, students will also develop their own jokes, stand-up material, sketches and podcasts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3337. Sound Design & Technology I.
This course provides an understanding of audio technology, the components of sound systems, and their application for live entertainment, including theatre and dance productions. This technical knowledge is the basis of the sound designer's skill set. Prerequisites: TH 1350 and TH 2330 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3338. Stage Lighting.
This course in stage lighting design assumes basic knowledge of lighting technology equivalent to that learned in TH 2330. This class encompasses research, observation, group discussion, and practical “hands-on” projects with emphasis on learning to see light and developing a common language for light and the lighting design process. Prerequisite: TH 2330 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3342. Television/Film Performance.
A practical laboratory course in television and film performance techniques, including procedures and requirements for professional engagements. May be repeated with different emphasis for additional credit. Prerequisite: TH 1364 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3343. Stage Makeup.
A practical course in developing techniques used in applying stage makeup. Emphasis is placed on painting, and contouring the face to achieve the desired effect. Special projects include fantasy makeup and mask making.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3344. Costume Stagecraft.
A single semester introduction to garment production for the entertainment industry. Emphasis is placed on hand and machine stitching techniques, as well as an introduction to pattern drafting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 3346. Historical Costume Research.
Historical Costume Research. (3-2) A study of clothing, accessories, and customs of selected theatrical periods as an approach to costuming period plays.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3350. Technical Production.
This course provides hands-on experience to qualified advanced students in technical theatre utilizing a series of rotating topics. Selected topics may include stage rigging, sound systems, remote device management, technical direction and/or technical writing/drawing. May be repeated for credit with different emphasis. Prerequisite: TH 2330 with a grade of "D" or better instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3351. The Craft of the Stagehand in the Live Entertainment Industry.
The purpose of this course is to provide the student with proper training in the variety of skills that are needed in order to work professionally as a Stagehand in live entertainment performance venues across the United States and around the world.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3352. Stage Rigging for the Live Entertainment Industry.
The purpose of this course is to provide the student with instruction and opportunity to become proficient with safely employing basic rigging techniques that are common in live performance venues throughout the United States. Prerequisite: TH 2330 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3355. Playwriting.
A study of play fundamentals (structure, dialogue, and mechanics), and guidance and discussion of representative plays.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3358. Screenwriting.
This course offers a comprehensive study of the art and craft of writing screenplays. During a semester of intensive writing, readings, script analysis, and critiques, writers complete assignments in storytelling, character, structure, and script development. Each writer completes a full-lenth screenplay as the capstone project for the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

TH 3359. Advanced Screenwriting.
This course focuses on the development of full-length screenplays. May be repeated for credit with different emphasis. Prerequisite: TH 3358 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3360. Beginning Stage Combat.
An introductory course in stage combat. A hands-on approach with emphasis placed upon actor safety, dramatic requirements of the script, and historical accuracy. Repeatable for credit with different emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3361. Improvisation for the Actor.
This class develops the student's understanding of the fundamentals of improvisation as both a performance art and a rehearsal technique, expanding the actor's versatility and enhancing confidence in performance and communication skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3362. Singing for the Actor.
This course is an introduction to the dynamic world of musical theatre through song analysis and performance, class exercises for the body and the voice, as well as an initial look at both classic and contemporary musical theatre style, structure, and content. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 3363. Stage Combat Stick Fighting.
This class covers Stick Fighting techniques from around the world and how to incorporate them safely into a play or film. Students learn safe handling and use of all types of fighting sticks including, but not limited to, European Quarterstaff, Japanese Bo-Staff, Irish cane fighting, and Philippino Arnise. Prerequisite: TH 3360 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3364. Acting Realism.
A studio course emphasizing the theories and methods of Stanislavsky in order to create characters in realistic drama. Prerequisite: TH 1365 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3365. Acting Styles.
This course focuses on the performance of non-realistic period plays, such as Greek, Shakespearean, and comedy of manners (Restoration and Georgian as well as plays by Moliere, Noel Coward, and Oscar Wilde). Prerequisite: TH 1365.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3367. Theory and Analysis.
A study of dramatic theory and play analysis for production, including the study of forms, styles, and methods. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

TH 3370. Creative Drama.
Emphasis on process drama theory and using creative drama as both an art form and as a teaching tool. Through class activities, students will develop effective facilitator skills and incorporate innovative strategies for teaching traditional material in non-traditional ways.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3375. Production Design for Film.
This course covers the structure and operation of an art department on a film production, as well as the fundamentals and application of production design for film and TV. Prerequisite: TH 3353.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 3390. BFA Pre-Professional Apprenticeship I.
Intensive work in one of the following career paths: Acting, design, and theatre technologies, costuming.
3 Credit Hours. 2 Lecture Contact Hours. 4 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4120. Musical Theatre Singing Technique.
This course is for advanced, private study in musical theater singing technique. Via private instruction, students will study multiple areas of musical theatre singing technique including singing for the microphone, belting, placement, and diverse musical theater styles (pop, rock, Golden Age, contemporary musical theater, etc). Prerequisite: TH 3120 or TH 3220 either with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4171. Musical Theatre Dance III.
This course provides an examination of the history and development of Musical Theatre dance styles, including an in-depth study of significant works of choreographers, including Agnes de Mille, Jack Cole, Jerome Robbins, Bob Fosse, Michael Bennett, Susan Stroman, and Andy Blankenbuehler. Prerequisite: TH 2181 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4172. Musical Theatre Dance IV.
This course provides is an advanced Musical Theatre dance class that will focus on building advanced technical and performance skills as well as displaying competence in a variety of styles. Students will also develop partnering skills. Prerequisite: TH 4171 with a grade of "D" or better.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4301. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry. May be repeated once for credit. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4302. Contemporary Theatre Workshop.
This course examines some of the major plays, playwrights, themes and styles in contemporary theatre in the United States. Students will read, analyze, research, and perform in scenes from many different types of contemporary performance, including realism, musical theatre, classical adaptation, surrealism, and devised work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4303. Multicultural Perspectives in American Theatre.
This course explores the literature, history, and performance challenges of the many voices and perspectives that make up American Theatre. In addition to exposure to brief historical overviews, students will read key literary texts and perform monologues and scenes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4304. Web Series Creation.
This course focuses on the techniques of creating a web series, with an emphasis on script writing and development. It also includes fundamental knowledge of film production and web publication, including marketing and identifying a target audience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4305. Advanced Web Series Creation.
This course is a continuation of the Web Series Creation course and specifically focuses on production of a web series. Students will write, direct, and produce their own web series for publication on the internet. Prerequisite: TH 4304 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4310. Theatre Curriculum Development.
Course builds on a requisite knowledge of basic educational theory and lesson plan structure with an emphasis on developing and implementing a successful Theatre curriculum. Practical and effective strategies for teaching middle school and high school Theatre will be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

TH 4311. Training the Teaching Artist.
A teaching artist is, by definition, a two-career professional: a working artist and a working educator. This course explores the artistic, teaching, and business aspects of working as a teaching artist. Students create a job portfolio and teach a short residency in a classroom setting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4320. Directing Theatre Activities.
Designed to assist any teacher in directing theatre activities. During the course, students will direct plays or scenes. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4321. The Art of Voiceover and Voice Acting.
In this course, students enhance their listening skills, determine their vocal "brand" or type, and learn various industry reads and the necessary corresponding voice skills. Students learn how to research and cut copy, create commercial, industrial, and cartoon demos, recording etiquette, and how to take vocal direction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4323. Shakespeare Through Performance.
This intensive summer study abroad program immerses students in the language and culture of Shakespeare's plays. Incorporating a performance-based approach to the study of Shakespeare, this course includes theatrical workshops taught by professionals at leading international theatres, including the Royal Shakespeare Company.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4324. Shakespeare: Text and Context.
This intensive study abroad program immerses students in the language and culture of Shakespeare's plays. In Stratford, academic workshops are led by scholars from the Shakespeare Birthplace Trust. Through immersion in the cultural environment in which the plays were produced, students gain insight into the context that shaped Shakespeare's theatre.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4325. Shakespeare Ensemble.
This class provides students with the opportunity to build an ensemble production of an abridged Shakespearean play. Using text analysis, character building, and clear storytelling, students will create an adaptable production that can be performed in schools, libraries, and other community locations. Prerequisite: TH 1364.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4326. Design for Theatre Educators.
This course prepares teaching certification students for the execution of technical elements relating to a dramatic production. The class draws heavily from guidelines established by the University Interscholastic League (UIL) Handbook governing One-Act Play competitions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4327. Technical Theatre Production for Educators.
This class guides students through exercises highlighting tool safety, scenery construction and proper stage protocols. Students build and repair scenery, hang a UIL light plot, hang masking curtains, design lights and audio for all the Texas State Summer High School Theatre Camp productions. Prerequisite: TH 4326 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4329. Television Writing.
This course covers the process of writing a television script. Students will pitch original stories and develop beat sheets, write treatments, and create story-boards culminating in a finished original script.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4330D. Actor, Artist, Aesthetic.
This course focuses on group and individual created works of art. Students will explore their personal artistic aesthetic and create a piece that will be performed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TH 4330J. Drawing for the Designer.
This course is a studio class with a focus on drawing for the scenic, lighting, and costume design student. Required of all BFA design majors. Prerequisite: TH 4390 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TH 4330M. Advanced Stage Management.
The goal of this course is to examine stage management and hone the necessary skills in the areas of theatre, dance, festivals, live events, showcases, and opera. Prerequisite: TH 4334 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TH 4330R. Oregon Shakespeare Festival Intensive.
This course examines theatre production at the regional theatre level by exposing students to the work of the Oregon Shakespeare Festival. Students will study issues of translating the current season's nine plays from script to stage, as well as analyze the perspectives and choices that inform each production.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TH 4330Y. Film Lighting.
This course provides an understanding of the principles, techniques and equipment used in lighting for film. It involves consideration of both technical and design elements. Prerequisite: TH 4363 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TH 4330Z. Speaking Shakespeare.
This course equips students with the skills necessary to fully embody Shakespearean text. The course lays a foundation with a sequence of exercises which expand and deepen the breath, unlocking the capacity for a full range of powerful expression. Students learn the fundamentals of the International Phonetic Alphabet for maximum specificity of articulation. In addition, they learn both scansion and rhetorical text analysis and apply them to the performance of a Shakespearean monologue. Prerequisite: TH 1340 and TH 1365 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TH 4332. Theatre in Education.
This course provides an in-depth examination of Applied Theatre as it is used in a variety of settings, including elementary and middle school classrooms, recreation facilities, and in community outreach programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4333. Television Writing II.
This course focuses on the techniques of creating a television series, including script writing and development, film production, and post-production editing. Students will spin off a character from a network television series and create a new series based on this character.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4334. Stage Management.
This is a seminar course in stage management, focusing on organization, techniques, and practices for managing stage productions from initial planning through performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4335. Stage Management Practicum.
This course is a hands-on practicum in which select students stage manage a departmental production, from auditions through the completion of the production. Prerequisite: TH 4334 with a grade of "D" or better.
3 Credit Hours. 0 Lecture Contact Hours. 10 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4336. Production and Company Management for the Arts.
The goal of this course is to examine the job duties (and sometimes overlapping tasks) of members of a theatrical/producing arts team with a focus on company managers, stage managers, production managers, and the producing process. Focus also includes an emphasis on group management and organizational tools.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter

TH 4337. Sound Design & Technology II.
This course provides an understanding of sound design and its application for live entertainment, including theatre and dance productions. It involves an exploration of the sound design process and practical application through class projects. Prerequisite: TH 3337 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4338. Lighting Design.
This course will concentrate primarily on the aesthetics of stage lighting covering such topics as color; script analysis; use of light in creating both static and dynamic visual compositions; development and graphic representation of a theatrical lighting design; and psychological and physiological responses pertaining to visual perception. Prerequisites: TH 1350 and TH 2330 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4340. Business of Film.
This course focuses on how film projects are put together, from development to production, with an emphasis on job opportunities that are available in the film industry. Where applicable, working professionals are brought in as guest lecturers to provide a hands-on perspective of working in the film industry.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4341. Short Film Development.
This course focuses on the essential elements that go into the pre-production phase of developing a short film project. Emphasis is on script research, writing, budgeting, scheduling, finance, and development.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4342. Film Editing.
Film Editing will introduce students to the theory and application of film editing practices beginning with an in-depth study of several software applications. The students will learn the craft of editing utilizing workflows across multiple formats: fiction, documentary and commercial.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4343. Film Producing.
Film Producing introduces the student to the roles and responsibilities that contribute to the successful production of narrative films across multiple formats: short, feature, commercial, documentary and web. Utilizing industry-standard software tools, the student will work through stages of development, budgeting, scheduling and on set production. Prerequisite: TH 3353.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4344. Theatrical Sound Composition.
This course will focus on the use of a digital audio workstation in the composition of music, sound, and scoring of theatrical moments on stage, as well as explore recording techniques. It will also explore dramaturgical aspects of sound design. Prerequisite: TH 3337 and TH 4337 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4345. Costume Design.
A study of the principles and elements to relate to designing theatrical costumes. Includes experience in research as well as developing drawing and rendering techniques. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4346. Advanced Costume Design.
Continued development of costume design skills. Includes research as well as advanced drawing and rendering techniques. Repeatable for credit with different emphasis. Prerequisite: TH 3344 and TH 4345 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4347. Pattern Making.
Pattern Making is a single semester exploration of the skills and techniques of pattern drafting and draping. Through guided practice and project work, students will enhance their understanding of garment planning and production. Prerequisite: TH 3344 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4348. Mask Making.
Mask Making is a single semester course focusing on the practical craft and techniques of mask making for the live entertainment industry. Through guided practice students will be introduced to various materials and techniques in sculpting, casting, and molding for theatre. Prerequisite: TH 3344 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4349. Hat Making.
Hat Making is a single semester course exploring the design and execution of headwear. Through guided practice students will be exposed to materials and techniques giving them a strong foundation in Millinery Design and Construction. Prerequisite: TH 3344.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4351. History of Architecture and Interiors for Theatrical Design.
This course is a study of architecture and interiors throughout history as it impacts design for theatre. Students will look at periods of design from ancient Egypt to the late Twentieth Century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4352. Armor Making.
Armor Making is a single semester course in the construction of armor for the live entertainment industry. Through guided practice students will gain experience with various materials and techniques used in this specialized area of garment construction. Prerequisite: TH 3344 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4353. Wig Making and Styling.
Wig Making is a single semester study of the principles of wig making and wig styling for the live entertainment industry. Through guided practice, students will learn to ventilate and style synthetic wigs and small ventilated appliances Prerequisite: TH 3344 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4354. Special Effects Makeup.
Special Effects Makeup is a single-semester exploration of the advanced makeup techniques and the creation and application of prosthetic appliances within the context of character design and production for the entertainment industry. Prerequisite: TH 3343 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4355. Scene Painting.
Theory and practice of scene painting for the theatre, with hands-on projects implementing various scene-painting techniques. Students will also have the opportunity to work as scenic artists on departmental productions.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4356. Theatrical Drafting: Vectorworks.
This course is a study of computer techniques and procedures used in the preparation of design and technical drawings for theatrical scenery and lighting. Prerequisites: TH 3331 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4357. Scene Design.
A study of scene design for theatre, focusing specifically on process of scenic designer with practical assignments including renderings and scaled models. Prerequisites: TH 1350 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4358. Drama and Adaptation.
This course covers the development of new theatrical scripts based on existing stories and source material. Students explore a variety of potential source materials, pitch adaptation ideas from multiple sources, and complete a written script.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4360. Problems in Theatre.
Problems in Theatre. (3-0) Designed to give supervised experience to qualified advanced students in theatre history, playwriting, directing, acting, technical, or other theatre problems. Research problems or actual production problems may be chosen. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4361. Dialects For Actors.
A study of the International Phonetic Alphabet and other vocal techniques used to create vocal variations such as regional, national, and international dialects. Prerequisite: TH 3310 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4363. Directing For Film.
An in-depth examination of directing theories and procedures for film with practical filming and editing exercises.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4364. Directing I.
A study of the fundamentals of directing with practical experience provided by directing scenes. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter

TH 4365. Directing II.
A study of directing different dramatic styles. Students will direct a one-act play during regular semesters. Prerequisite: TH 4364 with a grade of "D" or better. (WI).
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

TH 4368. Cinematography.
This course will introduce the student filmmaker to intermediate and advanced concepts in camera, lighting and image delivery across multiple platforms: motion picture, television and the web. Utilizing the latest tools in digital videography, the student will learn to apply story analysis to their on-set decision making. Prerequisite: TH 3353 with grade of "C" or better; Overall GPA 2.5.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4372. Theory and Practice of Dramaturgy.
Study of the practical application of historical research and textual analysis in the production of period plays and new works. Emphasis upon the dramaturg as an instrument of collaboration between members of the artistic team and as a facilitator of audience outreach. Prerequisite: TH 3367 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4373. Advanced Film Directing.
An in-depth examination of narrative filmmaking that includes screenplay analysis, storyboarding, scheduling the shoot, directorial techniques, staging actors, camera placement, filming on location, and editing. Prerequisite: TH 4363 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4375. Advanced Playwriting.
This course focuses on an in-depth study of the techniques of playwriting and the variety of styles that a playwright might employ. The course culminates with the writing of a full-length play. Prerequisite: TH 3355 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4376. Advanced Lighting Design.
This course focuses on advanced principles of light design and lighting aesthetics. It covers the variable elements one encounters during the design process as it applies to stage lighting. Prerequisite: TH 4338 with a grade of "D" or better and instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4377. Advanced Scene Design.
This course emphasizes working with directors and other designers in creating a design for the stage. Students will improve verbal and visual communication skills as well as further develop drawing/painting/modeling/drafting skills. The course involves multiple projects including creating an original performance art piece with a director and other designers. Prerequisite: TH 4357 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4378. Play Development Lab.
This course provides a laboratory workshop development process for new plays. It provides a structured environment for rigorously revising student-written works. Prerequisite: TH 4375 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4380. Advanced Scenic Painting.
Students will further develop scenic art skills, with an increased emphasis on realized practical production work, and a focus on planning, sampling, and managing of theatrical production paint processes. Prerequisite: TH 4355 with a grade of "D" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4381. Automated Lighting.
Automated Lighting will explore and practice methods and approaches for basic uses of multi-attribute lighting technology. We will investigate a variety of moving light and LED technology and control as well as methods of properly documenting and cueing with these complex tools. Prerequisite: TH 3338 and TH 4338 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4382. Welded Scenery for the Live Entertainment Industry.
This course offers a hands-on study of the principles and practices utilized in the fabrication of steel framed stage scenery for the live entertainment industry. Emphasis will be on safely cutting, prepping and welding mild carbon steel. Tools used include steel cutting saws, grinders and MIG welder. Prerequisite: TH 2330 with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4385. Lighting Console Programming.
This course explores basic, intermediate, and advanced skills and techniques used in modern console programming for a variety of lighting systems used in the entertainment industry. The course incorporates programming specifics for consoles from a variety of manufacturers. Prerequisite: TH 3338 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4386. Lighting and Projection Design for Dance.
This course covers the skills and techniques used in lighting and projection design for dance performances. Students explore innovative choreographers and designers who use both established and emerging technologies in lighting and projection design for dance. Prerequisite: TH 3338 and TH 4338 both with grades of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 4390. BFA Pre-Professional Apprenticeship II.
Intensive laboratory work in individual and group theatre methods for the actor, designer, or technician. Each apprenticeship from BFA II to V will focus upon a specific theatrical discipline for the actor, i.e. advanced vocal work, music theatre, performing Shakespeare, performing new scripts, advanced movement techniques, and further development of internal process.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4391. BFA Pre-Professional Apprenticeship III.
A continuation of laboratory work for the actor. Each apprenticeship from BFA II-V will focus on a specific theatrical discipline for the actor, i.e. advanced vocal work, music theatre, performing Shakespeare, performing new scripts, advanced movement techniques, and further development of the internal process.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

TH 4392. BFA Pre-Professional Apprenticeship IV.
A continuation of laboratory work for the actor. Each apprenticeship from BFA II-V will focus on a specific theatrical discipline for the actor, i.e. advanced vocal work, music theatre, performing Shakespeare, performing new scripts, advanced movement techniques, and further development of the internal process.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4393. BFA Pre-Professional Apprenticeship V.
A continuation of laboratory work for the actor. Each apprenticeship from BFA II-V will focus on a specific theatrical discipline for the actor, i.e. advanced vocal work, music theatre, performing Shakespeare, performing new scripts, advanced movement techniques, and further development of the internal process.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 4395. Advanced Scene Study.
This course is a capstone acting course for the B.F.A. Acting and Musical Theatre students that involves both advanced scene study work as well as preparation for professional auditions and showcases.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

TH 4601. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry; it is intended for students who do a full-time internship over the summer or during the fall or spring semesters. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5199B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5299B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5301. Drama Research.
An examination of problems and research techniques in drama. Historical, critical, descriptive, and experimental research approaches will be surveyed and basic procedures in research report writing will be considered.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5302. Text Analysis, Research and Interpretation.
This course reviews various methods of analysis of a dramatic text. This includes inductive, deductive, structural, and methodical approaches. It also examines techniques for production research and explores issues of interpretation that affect the development of a play's translation into a production on stage.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5303. Conceptualization and Composition.
This course investigates conceiving and developing a production concept and/or production context. It explores how the concept/context is useful in creating the world of the play through design, as well as how it shapes directorial composition.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5304. Web Series Creation.
This course focuses on the techniques of creating a web series, script writing and development. It explores the fundamentals of film production and web publication, including marketing and identifying a target audience.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5305. Web Series Creation II.
This course is a continuation of the Web Series course and specifically focuses on production of a web series. Students will write, direct, and produce their own web series for publication on the internet. Prerequisite: TH 5304 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5310. Graduate Assistant Development.
This course is required as a condition of employment for graduate teaching and instructional assistants. This course covers topics related to employment responsibilities. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

TH 5312. Director/Designer Collaboration.
This course examines the nature of director/designer collaboration. Particular attention is focused on discovering visual and auditory characteristics embedded in theatrical texts and exploring the way these characteristics influence interpretation and execution of the text.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5313. History of Directing and Scenography.
This course is a historical survey of the work of directors and designers. Particular emphasis will be on seminal production plans for notable directors and designers of the 20th and 21st centuries.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5323. Shakespeare Through Performance.
This intensive summer study abroad program immerses students in the language and culture of Shakespeare's plays. Incorporating a performance-based approach to the study of Shakespeare, this course includes theatrical workshops taught by professionals at leading international theatres, including the Royal Shakespeare Company.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5324. Shakespeare: Text and Context.
This intensive study abroad program immerses students in the language and culture of Shakespeare's plays. In Stratford, academic workshops are led by scholars from the Shakespeare Birthplace Trust. Through immersion in the cultural environment in which the plays were produced, students gain insight into the context that shaped Shakespeare's theatre.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5330. Stage Management.
An in-depth seminar in stage management, including organization, techniques, and practices for managing stage productions from initial planning through performance.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5331. Television Writing.
This course focuses on the techniques of writing for television, including both half-hour situational comedies and hour-long dramas. Students will pitch story ideas, develop beat sheets, write treatments, and complete written scripts. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5332. Stage Properties.
This course trains students in the craft, artistry and management of stage properties for careers in theatre, film and the entertainment industry.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5333. Advanced Television Writing.
This course focuses on the techniques of creating a television series, including script writing and development, film production, and post-production editing. Students will spin off a character from a network or cable television series and create a new series based on that character. Graduate students will act as co-producers. Prerequisite: TH 5331 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5334. Figure Drawing for Theatre Design.
This course covers drawing the human figure using traditional media, techniques and applications. Intended for the theatre designer, this course places special emphasis on aspects of the relationship between fabric and the human figure.
3 Credit Hours. 3 Lecture Contact Hours. 1 Lab Contact Hour.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5338. Advanced Stage Lighting.
Graduate lighting design is a continuation of the principles covered in Lighting Design (undergraduate). This course will concentrate primarily on the aesthetics of stage lighting, and will cover such topics as: viewer psychological and physiological responses as they pertain to visual perception; color; script analysis; use of light in creating both static and dynamic visual compositions; development and graphic representation of a theatrical lighting design.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5340. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Lab Required
Grade Mode: Standard Letter

TH 5341. Dramatization and Adaptation.
This course focuses on the development of new theatrical scripts based on existing stories and source material. Students will explore a variety of potential source materials, pitch adaptation ideas, and complete a written script. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5342. MFA Studio I.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5343. MFA Studio II.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5345. Advanced Studies in Costume Design.
Costume problems for entire productions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5346. Historical Costume Research.
This course is a study of clothing, accessories, and customs of selected theatrical periods as an approach to costuming period plays.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5347. Advanced Costume Construction.
Advanced studies in the construction of costumes for the stage, techniques in sewing, pattern drafting/design as well as accessories/crafts construction.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5348. Graphic Representation.
Students will study and practice drawing and painting techniques, as well as rendering with other media, including markers.
3 Credit Hours. 3 Lecture Contact Hours. 3 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5350. Second Year Project.
Students in the second year of the MFA in Theatre will direct, design, or write for a departmental production. The course includes a written report of the project that demonstrates an understanding of the creative process of the chosen discipline. Prerequisite: Instructor approval.
3 Credit Hours. 0 Lecture Contact Hours. 3 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5351. History of Architecture and Interiors for Theatrical Design.
This course is a study of architecture and interiors throughout history as it impacts design for theatre. This course will look at periods of design from ancient Egypt to the early Twentieth Century.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5352. MFA Studio III.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5353. MFA Studio IV.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5354. Playwriting.
A seminar in the art and craft of playwriting, from initial idea through a completed draft of a play. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5355. Scene Painting.
Theory and practice of scene and costume painting as developed in the Italian Renaissance and continuing into new media available today. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5356. Theatrical Drafting: Vectorworks.
This course is a study of computer techniques and procedures used in the preparation of design and technical drawings for theatrical scenery and lighting.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5357. Scene Design.
Seminar on design, emphasizing presentation and justification of executed renderings or models for selected plays. Emphasis on styles of staging, settings, lighting and properties, and their relationship to the complete production. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5358. Screenwriting.
This course offers a comprehensive study of the art and craft of writing screenplays. During a semester of intensive writing, readings, script analyses, and critiques, writers complete assignments in storytelling, character, structure, and script development. Each writer completes a full-length screenplay as the capstone project for the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5359. Advanced Screenwriting.
This course focuses on the development and revision of full-length screenplays. May be repeated for credit with different emphasis. Prerequisite: TH 5358 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5360. Problems in Theatre.
Designed to give supervised experience to qualified advanced students in theatre history, playwriting, directing, acting, technical, or other theatre problems. Research problems or actual production problems may be chosen. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5361. Oregon Shakespeare Festival Intensive.
This course examines theatre production with a specific focus on directors and directing at this country's largest Shakespeare theatre, the Oregon Shakespeare Festival. Students will study issues of translating the current seasons' nine plays from script to stage, as well as analyzing the perspectives and choices of each director's production.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5363. Directing for Film.
An in-depth examination of directing theories and procedures for film with practical filming and editing exercises. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5364. Stage Directing.
Development of skills in analysis, research, staging, and production, with practical experience provided by directing scenes.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5365. Backgrounds of Modern Drama.
An analysis of those developments in dramatic literature that formed the basis of modern drama. Primary emphasis will be on nineteenth-and twentieth-century European and American drama.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5366. Directing Styles.
A study of directing different dramatic styles. Students will direct a one-act play during regular semesters. Prerequisite: TH 5364 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5367. Studies in Dramatic Theory and Criticism.
The study of dramatic theory and criticism from Aristotle to the present.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5369. Contemporary World Theatre and Drama.
Studies of current trends in world theatre and drama.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5371. Classical and Renaissance Drama.
Seminar in Greek, French Neoclassical, and English Renaissance theatre, with intensive examination of selected works by Sophocles, Euripides, Shakespeare, and Marlowe. Primary focus will be on analysis of the plays as performance texts, and on the historical cultural environments in which the plays were created and first performed.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5372. Theory and Practice of Dramaturgy.
Study of the practical application of historical research and textual analysis in the production of period plays and new works. Emphasis upon the dramaturg as an instrument of collaboration between members of the artistic team and as a facilitator of audience outreach.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5373. Advanced Film Directing.
An in-depth examination of narrative filmmaking that includes screenplay analysis, storyboarding, scheduling the shoot, directorial techniques, staging actors, camera placement, filming on location, and editing. Prerequisite: TH 5363 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5375. Advanced Playwriting.
This course focuses on an in-depth study of the techniques of playwriting and the variety of styles that a playwright might employ. The course culminates with the writing of a full-length play. Prerequisite: TH 5354 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5377. Studies in Advanced Theatre Directing.
A study of directors, theories, and problems of directing in the contemporary theatre. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5378. Play Development Lab.
This course provides a laboratory workshop development process for new plays. It provides a structured environment for rigorously revising student-written works. Prerequisite: TH 5375 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

TH 5380. Advanced Scenic Painting.
Students develop scenic art skills, with an increased emphasis on realized practical production work, and a focus on the planning, sampling, and management of theatrical production paint processes. Prerequisite: TH 5355 with a grade of "C" or better or instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5381. Automated Lighting.
Automated Lighting will explore and practice methods and approaches for basic uses of multi-attribute lighting technology. We will investigate a variety of moving light and LED technology and control as well as methods of properly documenting and cueing with these complex tools.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5382. MFA Studio V.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis. This course now has variable content based on the composition of students.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 5383. MFA Studio VI.
This course is designed to expand and refine advanced technical competencies, creativity, and methods of working in the student's area of emphasis.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5385. Lighting Console Programming.
This course covers the skills and techniques used in modern console programming for a variety of lighting systems used in the entertainment industry. The course includes programming specifics for consoles from a variety of manufacturers. Special focus is placed on execution and presentation of console programming research.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5386. Lighting and Projection Design for Dance.
This course covers the skills and techniques used in lighting and projection design for dance. The students explore innovative choreographers and designers who use both established and emerging technologies in lighting and projection design. Special focus is placed on research presentations.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5387. Directing Practicum.
Study of and experience in choosing, preparing, and directing a theatre production from analysis to performance. Attention is given to theatre organization and management. May be repeated with different emphasis for additional credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5398. Final Creative Project.
Students write, direct, or design a major university theatre production, demonstrating mastery in their area of emphasis. A written report of the project must be approved by a faculty committee. This requirement for the MFA in Theatre is usually taken in the final year of study.
3 Credit Hours. 3 Lecture Contact Hours. 2 Lab Contact Hours.
Grade Mode: Standard Letter

TH 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Theatre 5399B.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5399B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5599B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

TH 5640. Professional Internship.
This course provides professional hands-on experience in the theatre or film industry; it is intended for students who do a full-time internship over the summer or during a regular full semester. Prerequisite: Instructor approval.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Course Attribute(s): Lab Required
Grade Mode: Standard Letter

TH 5999B. Thesis.
This course represents a student's continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

University Seminar (US)

US 1100. University Seminar.
University Seminar is an introduction to the nature and aims of university education, with special emphasis on the value of broad learning. US 1100 is required of all undergraduate students entering the university with 0-15 semester credit hours completed since high school graduation.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

US 2100. Introduction to Research and Discovery.
This course provides a discipline-related overview of research procedures for first and second year students, including primary literature, data collection, and the scientific method. Students will complete the course with a greater awareness of research opportunities and develop academic and professional skills in preparation for immersion in undergraduate research.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Standard Letter

Women's Studies (WS)

WS 3376. Images of Women.
This course, one of two multidisciplinary team-taught women's studies courses, is a survey of the changing images of women in the U.S. since 1800 through the eyes of historians, writers, artists, orators, the media, and educators. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

WS 3377. Realities of Women.
This course, one of two multidisciplinary team-taught women's studies courses, is the study of realities faced by women in the U.S. today--including biological and psychological differences in males and females, politics and the law, the work force, and the home. Gender roles in societies outside the U.S. will also be examined. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content|Writing Intensive
Grade Mode: Standard Letter

WS 4388. Independent Research in Women's Studies.
Independent study course open to advanced students on an individual or small group basis. The research area in Women's Studies, bibliography, and study paper outline are to be approved by the instructor.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Writing Intensive
Grade Mode: Standard Letter

WS 5376. Images of Women.
This course, one of two multidisciplinary team-taught women's studies courses, is a survey of the changing images of women in the U.S. since 1800 through the eyes of historians, writers, artists, orators, the media, and educators.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

WS 5377. Realities of Women.
This course, one of two multidisciplinary team-taught women's studies courses, is a study of the realities faced by women in the U.S. today-including biological and psychological differences in males and females, politics and law, the work force, and the home. Gender roles in societies outside the U.S. will also be examined.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

WS 5388. Independent Research in Women and Gender Studies.
Independent research course open to students on an individual or small group basis. The research area in Women and Gender Studies, bibliography, and study paper outline are to be approved by the instructor. Prerequisite: Instructor approval.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

FACULTY

Current Faculty (p. 3164)
President Emeriti (In Perpetuity) (p. 3196)
Regents' Professor and University Distinguished Professor Emeriti (In Perpetuity) (p. 3196)
University Distinguished Professor Emeriti (In Perpetuity) (p. 3197)
Distinguished Professor Emeriti (In Perpetuity) (p. 3197)
Professor Emeriti (Lifetime Designation) (p. 3199)
Associate Professor Emeriti (Lifetime Designation) (p. 3201)
Assistant Professor Emeriti (Lifetime Designation) (p. 3203)
Instructor Emeriti (Lifetime Designation) (p. 3203)
Retired Faculty (Lifetime Designation) (p. 3204)

Current Faculty

- #
- A (p. 3164)
- B (p. 3165)
- C (p. 3168)
- D (p. 3170)
- E (p. 3171)
- F (p. 3172)
- G (p. 3173)
- H (p. 3175)
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- U (p. 3193)
- V (p. 3193)
- W (p. 3194)
- X (p. 3196)
- Y (p. 3196)
- Z (p. 3196)

A

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Webre, Whitney Ann, Lecturer, Ph.D., University of North Texas

Weckerly, Floyd, Professor, Ph.D., The University of Memphis

Weese, Jessica Elisabeth, Lecturer, M.S., Texas State University

Weider, Richard Lawrence, Lecturer, M.B.A., Cornell University

Weigum, Shannon E, Associate Professor, Ph.D., University of Texas at Austin

Weill, Susan, Associate Professor, Ph.D., Univ of Southern Mississippi

Weimer, Amy Ann, Professor, Ph.D., Arizona State University

Weintraub, David Michael, Lecturer, Ph.D., University of Nevada, Las Vegas

Welborn, Ruth B, Assistant Vice President for Academic Affairs, Dean, College of Health Professions and Professor, Ph.D., Texas A&M University

Welch-Ptak, Jasmine Joy, Lecturer, Ph.D., University of Texas at Austin

Welker, Mark W, Lecturer, M.S.Eng., University of Texas at Austin

Wells, Sara J, Clinical Lecturer, B.S.R.C., Texas State University

Welsh, Stewart C, Professor, Ph.D., University of Glasgow

Wend-Walker, Graeme Alan, Associate Professor, Ph.D., Macquarie University

Wendel, Renee M, Senior Lecturer, M.S., Texas State University

Weng, Julie McCormick, Assistant Professor, Ph.D., Univ of Illinois Urbana-Champaign

Werner, Patrice H, Associate Dean, College of Education and Associate Professor, Ph.D., University of North Texas

Werner, Patricia E, Lecturer, M.Ed., Concordia University

Wescott, Daniel J, Professor, Ph.D., University of Tennessee Knoxville

Wesley, Nicole L, Associate Professor, M.F.A., Texas Woman's University

West, Vicki L, Senior Lecturer, M.B.A., Georgia College & State Univ

Westbrook, Thersa, Senior Lecturer, Ph.D., Texas State University

Westcott, Adam Lee, Assistant Professor

Westerberg, Carmen E, Associate Professor, Ph.D., Univ of Minnesota-Twin Cities

Westerlund, Julie F, Associate Professor, Ph.D., University of Texas at Austin

White, Alexander, Professor, Ph.D., Michigan State University

White, Garry, Associate Professor, Ph.D., University of Texas at Austin

Whitehawk, Michael C, Senior Lecturer, M.A., Texas State University

Whitten, Steven T, Associate Professor, Ph.D., Johns Hopkins University

Wiegman, Isaac Thane, Lecturer, Ph.D., Washington Univ in St. Louis

Wierschem, David C, Associate Dean, McCoy College of Business Administration and Associate Professor, Ph.D., University of Texas at Dallas

Wiest, Courtney Elizabeth, Lecturer, Ed.D., Argosy University, Tampa

Wilburn, Brandi B, Senior Lecturer, M.B.A., Univ of Mary Hardin-Baylor

Wilde, William James, Chair - Professor, Ph.D., University of Texas at Austin

Wilds, Jackson Stuart, Lecturer, M.M., Texas State University

Wiley, Emily Rose, Lecturer, M.B.A., Texas State University

Wilhelm, Justin J, Lecturer, M. Acy., Texas State University

Wilhelm, Timothy James, Lecturer, M.A., Texas State University

Wilkinson, Murray Justin, Professor of Practice, Ph.D., University of Chicago

Williams, David Hoyt, Lecturer, M.A.Geo., Texas State University

Williams, Deirdre Aurora, Lecturer, Ed.D., Argosy University, Washington DC

Williams, Howard Earl, Lecturer, Ph.D., Texas State University

Williams, Justin Wayne, Lecturer, M.A., Texas State University

Williams, Laura Elizabeth Bond, Lecturer, M.A., University of Texas at Austin

Williams, Miriam F, Professor, Ph.D., Texas Tech University

Williams, Ronald Daniel, Associate Professor, Ph.D., The University of Alabama

Williams, Shannon Hope, Clinical Lecturer, D.P.T., MGH Inst of Health Professions

Williamson, Paula S, Associate Dean, College of Science and Engineering and University Distinguished Professor, Ph.D., Univ of California, Santa Barbara

Willson, Pamela Ann, Clinical Professor, Ph.D., Texas Woman's University

Wilson, Barbara Doyle, Lecturer, M.Ed., Texas State University

Wilson, Carolina, Senior Lecturer, M.A., Texas State University

Wilson, Connor Patrick, Lecturer, M.A., Texas State University

Wilson, Michael A, Lecturer, Ph.D., Stanford University

Wilson, Nancy A, Associate Professor, Ph.D., Univ of Texas at San Antonio

Wilson, Paul A, Senior Lecturer, M.A., Texas A&M University

Wilson, Richard Thomas, Associate Professor, Ph.D., St Louis Univ Ctrl Off

Wilson, Steven M, Professor, M.F.A., Wichita State University

Winchell, Anne E, Lecturer, M.F.A., Texas State University

Winek, Gary J, Professor, Ph.D., Univ of Maryland College Park

Winking, Keith R, Professor, D.M.A., University of Texas at Austin

Wise, Holly Lynn, Senior Lecturer, M.S., Murray State University

Wissler, Holly, Lecturer, Ph.D., Florida State University

Wistey, Mark A, Associate Professor, Ph.D., Stanford University

Wiswell, Christina L, Lecturer, Ed.D., Texas Tech University

Withrow, Brian L, Professor, Ph.D., Sam Houston State University

Wivagg, Jonathan Robert, Senior Lecturer, Ph.D., Baylor University

Woodward, Kelsey Rae, Lecturer, S.S.P., Texas State University

Woolery, Jason S, Lecturer, M.A., Texas State University

Woytek, Kelly Jo, Senior Lecturer, Ph.D., Texas A&M University

Wright, Robert L, Lecturer, M.S.S.W., Texas State University

Wright, Walter A, Associate Professor, L.L.M., New York University

Wuest, Beth E, Associate Vice President for Institutional Effectiveness and Associate Professor, Ph.D., University of Minnesota

Wuestenberg, Pamela J, Senior Lecturer, Ph.D., University of Texas at Austin

Wuollet, Brandy, Lecturer, M.S.N., Saint Xavier University

X

Xiao, Bin, Lecturer, Ph.D., Univ of Missouri-Columbia

Xiao, Jun, Lecturer, D.SC., Ecole Nrm Sup De Francs

Xue, Xiaoyu, Assistant Professor, Ph.D., Tsinghua University

Y

Yan, Yan, Assistant Professor, Ph.D., University of Trento

Yang, Guowei, Associate Professor, Ph.D., University of Texas at Austin

Yang, Jie, Assistant Professor, Ph.D., University of Texas at Austin

Yang, Kecheng, Assistant Professor, Ph.D., Univ North Carolina - Chapel Hill

Yang, Yong, Associate Professor, Ph.D., University of Florida

Ybanez-Llorente, Kathy, Associate Professor, Ph.D., Texas A&M Univ-Corpus Christi

Yi, Ha Chin, Professor, Ph.D., University of Kentucky

Yick, Joseph K, Professor, Ph.D., Univ of California, Santa Barbara

Yoo, Yong Suk, Assistant Professor, M.F.A., California Inst of the Arts

Yoon, Hyunwoo, Assistant Professor, Ph.D., University of Texas at Austin

Yost, Shane Robert, Assistant Professor, Ph.D., Massachusetts Institute of Tech

You, Byoung Hee, Associate Professor, Ph.D., Louisiana State Univ A&M College

You, Leyuan, Associate Professor, Ph.D., Florida International University

Youens, Christina Van Husen, Lecturer, M.S., Texas Woman's University

Young, Amanda Rene, Lecturer, M.A., Texas State University

Young, Glen Michael, Assistant Professor, Ph.D., Texas A&M University

Young, Maria Diana, Lecturer, M.Ed., Univ of Texas Rio Grande Valley

Young, Randall Frederick, Assistant Professor, Ph.D., University of North Texas

Youngberg, Emily M, Lecturer, M.S.W., University of Texas at Arlington

Yu, Qingkai, Associate Professor, Ph.D., University of Houston

Yuan, Lijun, Professor, Ph.D., University of Colorado Boulder

Yuan, Yihong, Assistant Professor, Ph.D., Univ of California, Santa Barbara

Yun, Hyun J, Professor, Ph.D., University of Florida

Z

Zakhidov, Alexander, Assistant Professor, Ph.D., Moscow State University

Zank, Gail Marie, Professor, Ph.D., Texas A&M University

Zapp, Teresa L, Senior Lecturer, M.Ed., Texas State University

Zhai, Muxin, Assistant Professor, Ph.D., University of Washington

Zhan, F Benjamin, Professor, Ph.D., State Univ of NY Coll at Buffalo

Zhang, Peiqin, Assistant Professor, Ph.D., Univ of North Carolina-Charlotte

Zhao, Qiang, Associate Professor, Ph.D., Univ of Missouri-Columbia

Zhao, Zhenze, Lecturer, Ph.D., University of Kentucky

Zhu, Cheng, Assistant Professor, Ph.D., McGill University

Zhu, Jie, Assistant Professor, Ph.D., Wuhan University

Zhu, Pinfan, Professor, Ph.D., Texas Tech University

Zibelin, Jill Marie, Lecturer, M.S., Texas A&M Univ-Kingsville

Zigrossi, Christopher J, Lecturer, M.B.A., University of Phoenix

Zigrossi, Sam J, Lecturer, M.B.A., Golden Gate University

Zimmermann-Somoza, Jo An M, Associate Professor, Ph.D., Clemson University

Zmikly, Jonathan T, Senior Lecturer, M.A., Texas State University

Zong, Ziliang, Associate Professor, Ph.D., Auburn University

President Emeriti (In Perpetuity)

Hardesty, Robert L*, President Emeritus, (11/1/81-6/13/88)

Supple, Jerome H*, President Emeritus, (4/1/89-8/31/02)

* *Deceased*

Regents' Professor and University Distinguished Professor Emeriti (In Perpetuity)

Augustin, Byron D, Regents' Professor and University Distinguished Professor Emeritus of Geography, (6/10/78-8/31/10)

Baccus, John T, Regents' Professor and University Distinguished Professor Emeritus of Biology, (9/1/75-8/31/11)

Beebe, Steven Arnold, Regents' Professor and University Distinguished Professor Emeritus of Communication Studies, (8/1/86-5/31/18)

Butler, David R, Regents' Professor and University Distinguished Professor Emeritus of Geography, (7/16/97-8/31/19)

Chavkin, Nancy F, Regents' Professor and University Distinguished Professor Emerita of Social Work, (9/1/87-8/31/17)

de la Teja, Jesús F, Regents' Professor and University Distinguished Professor Emeritus of History, (9/1/91-8/31/17)

Dunn, Dennis J, Regents' Professor and University Distinguished Professor Emeritus of History, (9/1/70-8/31/18)

Estaville, Lawrence E*, Regents' Professor and University Distinguished Professor Emeritus of Geography, (7/16/94-12/20/18)

Olson, Donald W, Regents' Professor and University Distinguished Professor Emeritus of Physics, (9/1/81-8/31/19)

* *Deceased*

University Distinguished Professor Emeriti (In Perpetuity)

Furney, Steven R, University Distinguished Professor of Health and Human Performance, (9/1/80-5/31/18)

Gorman, Robert F, University Distinguished Professor of Political Science, (9/1/79-5/31/19)

Pollock, Joycelyn M, University Distinguished Professor Emeritus of Criminal Justice, (9/1/93-5/31/17)

Distinguished Professor Emeriti (In Perpetuity)

Abernathy, Elton*, Distinguished Professor Emeritus of Communication Studies, (9/1/46-7/15/78)

Andrews, Gregory A, Distinguished Professor Emeritus of History, (9/1/88-8/31/09)

Aron, Gary M, Distinguished Professor Emeritus of Biology, (1/15/74-5/31/14)

Avent, Henrietta*, Distinguished Professor Emerita of Health, Physical Education and Recreation, (9/1/58-5/31/93)

Barton, James Gabriel*, Distinguished Professor Emeritus of Communication Studies, (6/1/46-1/15/80)

Bechtol, William*, Distinguished Professor Emeritus of Curriculum and Instruction, (8/1/77-2/16/98)

Beck, John J, Distinguished Professor Emeritus, (7/10/79-8/31/07)

Blanchard, Lydia A*, Distinguished Professor Emerita of English, (9/1/83-5/31/07)

Bowles, Ira Renay*, Distinguished Professor Emeritus of Music, (9/1/47-7/15/86)

Brown, Brock J, Distinguished Professor Emeritus of Geography, (9/1/92-5/31/15)

Brown, Judith Karen, Distinguished Professor Emerita of Social Work, (9/1/76-7/31/08)

Buie, Tollie R*, Distinguished Professor Emeritus of Agriculture, (9/1/45-7/31/76)

Busby, Mark B, Distinguished Professor Emeritus of English, (8/1/91-5/31/17)

Bynum, Victoria E, Distinguished Professor Emeritus of History, (9/1/86-1/15/10)

Calsbeek, Franklin A, Distinguished Professor Emeritus of Health, Physical Education and Recreation, (9/1/74-8/31/95)

Carman, Douglas Gary, Distinguished Professor Emeritus of Finance and Economics, (9/1/78-5/31/01)

Carpenter, Delbert Stanley, Distinguished Professor Emeritus of Counseling, Leadership, Adult Education, and School Psychology, (8/1/03-8/31/18)

Caruana, Louis B, Distinguished Professor Emeritus of Clinical Laboratory Science, (10/9/75-5/31/00)

Cassidy, Patrick E*, Distinguished Professor Emeritus of Chemistry and Biochemistry, (1/15/71-7/31/10)

Caverly, David C, Distinguished Professor Emeritus of Curriculum and Instruction, (7/16/89-8/31/18)

Chatfield, John A, Distinguished Professor Emeritus of Mathematics, (9/1/65-5/31/04)

Cohen, Paul N, Distinguished Professor Emeritus of English, (9/1/82-5/31/17)

Cook, James R, Distinguished Professor Emeritus of Computer Information Systems and Quantitative Methods, (1/1/74-1/15/12)

Craddock, Emmie*, Distinguished Professor Emerita of History, (9/1/50-7/15/80)

Davis, Wilbon P, Distinguished Professor Emeritus of Computer Science, (9/1/66-8/31/05)

Day, Frederick A, Distinguished Professor Emeritus of Geography, (9/1/88-8/31/14)

Early, Grady G, Distinguished Professor Emeritus of Computer Science, (9/1/71-1/15/00)

Ellis, Ann Marie, Distinguished Professor Emerita of Sociology, (9/1/85-1/15/12)

Farlow, Daniel Edward*, Distinguished Professor Emeritus of Political Science, (6/1/59-5/31/89)

Fischer, Robert A*, Distinguished Professor Emeritus of Modern Languages, (9/1/73-8/31/16)

Fitch, John W, Distinguished Professor Emeritus of Chemistry and Biochemistry, (9/1/67-8/31/98)

Fling, Sheila, Distinguished Professor Emerita of Psychology, (9/1/75-5/31/00)

Ginsburg, Harvey J, Distinguished Professor Emeritus of Psychology, (9/1/73-7/15/17)

Gravitt, Garland Jack*, Distinguished Professor Emeritus of English, (9/1/71-5/31/00)

Grayson, Nancy J, Distinguished Professor Emerita of English, (9/1/68-8/31/17)

Hannon, Daniel L*, Distinguished Professor Emeritus of Theatre, (9/1/81-5/31/98)

Hannon, Herbert H*, Distinguished Professor Emeritus of Biology, (9/1/60-8/31/89)

Hatcher, Barbara A, Distinguished Professor Emeritus of Curriculum and Instruction, (7/15/75-8/31/08)

Haynes, Martha L. Brunson, Distinguished Professor Emerita of English, (9/1/67-7/15/98)

Hays, Joan C, Distinguished Professor Emeritus of Dance, (9/1/64-5/31/03)

Hazlewood, Donald G, Distinguished Professor Emeritus of Mathematics, (9/1/71-8/31/11)

Henderson, Richard B*, Distinguished Professor Emeritus of Political Science (6/1/49-5/31/84), (6/1/49-5/31/84)

Hennessy, Michael J, Distinguished Professor Emeritus of English, (9/1/80-1/15/18)

Homeyer, Linda E, Distinguished Professor Emerita of Counseling, Leadership, Adult Education, and School Psychology, (9/1/95-5/31/18)

Houston, Ralph H*, Distinguished Professor Emeritus of English, (9/1/37-7/31/78)

Irvin, James D, Distinguished Professor Emeritus of Chemistry and Biochemistry, (9/1/73-5/31/10)

Jorgenson, Christabel B, Distinguished Professor Emerita of School Psychology, (9/1/76-7/15/98)

Jorgenson, David E*, Distinguished Professor Emeritus of Sociology, (9/1/76-5/31/99)

Joy, Glenn C, Distinguished Professor Emeritus of Philosophy, (9/1/65-5/31/14)

Juel, Martin Oliver*, Distinguished Professor Emeritus of Curriculum and Instruction, (9/1/50-5/31/81)

Kissler, Betty Jane*, Distinguished Professor Emerita of History, (9/1/58-8/31/93)

Koke, Joseph Ralph, Distinguished Professor Emeritus of Biology, (9/1/78-7/15/11)

Laird, Edgar S, Distinguished Professor Emeritus of English, (9/1/66-5/31/11)

Larsen, Robert D, Distinguished Professor Emeritus of Geography, (9/1/73-12/31/14)

Leder, Priscilla G, Distinguished Professor Emerita of English, (9/1/88-5/31/12)

Longley, Glenn, Distinguished Professor Emeritus of Biology, (6/1/69-8/31/14)

McBride, Michael H, Distinguished Professor Emeritus of Journalism and Mass Communication, (9/1/83-5/31/01)

Meixner, Wilda F, Distinguished Professor Emerita of Accounting, (9/1/86-1/15/08)

Morgan, Celia A, Distinguished Professor Emerita of Economics, (9/1/71-1/15/94)

Newsom, Rollo K, Distinguished Professor Emeritus of Sociology and Folklore, (9/1/66-7/15/96)

Norris, William Elmore*, Distinguished Professor Emeritus of Biology, (9/1/49-8/31/82)

Northcutt, Robert A, Distinguished Professor Emeritus of Mathematics, (9/1/64-7/15/06)

Olney, Robert J*, Distinguished Professor Emeritus of Management, (1/16/82-1/31/09)

Patterson, Larry T, Distinguished Professor Emeritus of Marketing, (7/15/80-5/31/01)

Pattison, Patricia, Distinguished Professor Emerita of Finance and Economics, (8/15/03-8/31/17)

Patton, Robert E, Distinguished Professor Emeritus of Health and Human Performance, (9/1/62-7/31/12)

Piersol, Darrell T*, Distinguished Professor Emeritus of Management, (9/1/82-1/15/97)

Pino, David J, Distinguished Professor Emeritus of Music, (9/1/67-5/31/12)

Pohl, James W*, Distinguished Professor Emeritus of History, (1/16/64-7/15/11)

Renfro, Paula C, Distinguished Professor Emeritus of Journalism and Mass Communication, (9/1/83-5/31/07)

Rogers, J Lloyd*, Distinguished Professor Emeritus of Education, (6/1/36-8/31/73)

Rose, Francis L, Distinguished Professor Emeritus of Biology, (7/16/91-5/31/08)

Salem, Philip J, Distinguished Professor Emeritus of Communication Studies, (9/1/74-5/31/16)

Schultz, Clarence D*, Distinguished Professor Emeritus of Sociology, (9/1/65-7/31/90)

Shell, Lon R, Distinguished Professor Emeritus of Agriculture, (9/1/71-7/15/01)

Skinner, Douglas D, Distinguished Professor Emeritus of Music, (9/1/73-8/31/11)

Smith, Milton L*, Distinguished Professor Emeritus of Educational Administration, (9/1/77-1/15/90)

Stimmel, D Theron, Distinguished Professor Emeritus of Psychology, (9/1/69-8/31/08)

Stutts, Mary Ann, Distinguished Professor Emeritus of Marketing, (9/1/82-7/15/13)

Swinney, Everette*, Distinguished Professor Emeritus of History, (9/1/57-7/15/96)

Walts, Robert W*, Distinguished Professor Emeritus of English, (9/1/59-5/31/87)

Webber, Jo A, Distinguished Professor Emerita of Curriculum and Instruction, (9/1/86-5/31/12)

Weller, Eric C*, Distinguished Professor Emeritus of Art and Design, (9/1/78-8/31/08)

Wheeler, Richard Wade, Distinguished Professor Emeritus of Psychology, (9/1/69-5/31/11)

Whiteside, Bobby, Distinguished Professor Emeritus of Biology, (9/1/67-5/31/00)

Wilson, Miles S, Distinguished Professor Emeritus of English, (9/1/80-8/31/15)

Wilson, Ryce Neal, Distinguished Professor Emeritus of Art and Design, (1/23/71-5/31/09)

Yager, Billy J, Distinguished Professor Emeritus of Chemistry and Biochemistry, (9/1/62-5/31/01)

Zedler, Empress Young*, Distinguished Professor Emerita of Special Education, (3/1/48-8/31/79)

* *Deceased*

Professor Emeriti (Lifetime Designation)

Abrahamson, Royce L, Professor Emeritus of Management, (9/1/65-8/31/96)

Allen, Judy L, Professor Emerita of Social Work, (9/1/77-7/31/16)

Allison, Elizabeth A, Professor Emerita of English, (9/1/99-2/13/19)

Anderson, Robert Ernest, Professor Emeritus of Physics, (9/1/66-7/31/91)

Archer, Richard L, Professor Emeritus of Psychology, (9/1/82-7/15/17)

Bandy, Carroll L, Professor Emeritus of Mathematics, (1/16/78-5/31/17)

Battle, Jennifer L, Professor Emeritus of Curriculum and Instruction, (9/1/94-8/31/11)

Bell, James D, Professor Emeritus of Management, (9/1/85-1/15/17)

Bennett, Roger E, Professor Emeritus of Mass Communication, (7/16/79-8/31/96)

Bible, Jon D, Professor Emeritus of Finance and Economics, (9/1/85-5/31/16)

Bishop, Bill J, Professor Emeritus of Accounting, (9/1/71-1/15/90)

Blankmeyer, Eric C, Professor Emeritus of Finance and Economics, (9/1/82-1/15/14)

Boone, Michael D, Professor Emeritus of Counseling, Leadership, Adult Education, and School Psychology, (7/16/88-5/31/14)

Burke, George C, Professor Emeritus of Health Administration, (9/1/84-5/31/09)

Butler, Janet B, Professor Emeritus of Accounting, (8/25/03-8/31/19)

Bynum, James L, Professor Emeritus of Curriculum and Instruction, (9/1/69-1/31/93)

Canabal, Marie E, Professor Emeritus of Family and Consumer Sciences, (8/1/06-8/31/12)

Carson, C Dee, Professor Emeritus of Agriculture, (9/1/77-8/31/01)

Champion, James J, Professor Emeritus of Spanish, (9/1/74-8/31/00)

Cheatham, Thomas Richard, Professor Emeritus of Communication Studies, (8/1/78-8/31/14)

Chiodo, Beverly A, Professor Emeritus of Marketing, (9/1/68-5/31/11)

Conroy, Michel L, Professor Emeritus of Art and Design, (9/1/82-5/31/19)

Davis, Barbara H, Professor Emeritus of Curriculum and Instruction, (9/1/96-7/15/14)

Davis, Bob, Professor Emeritus of Agriculture, (8/1/88-5/31/00)

Davis, Robert A, Professor Emeritus of Computer Information Systems and Quantitative Methods, (9/1/02-7/31/15)

Dolezal, Charles H, Professor Emeritus of Curriculum and Instruction, (1/15/77-5/31/05)

Earl, Richard A, Professor Emeritus of Geography, (9/1/91-5/31/19)

Easter, David C, Professor Emeritus of Chemistry and Biochemistry, (9/1/93-5/31/16)

Echeverria, Miriam B, Professor Emerita of Modern Languages, (9/1/87-5/31/18)

Edgell, John J, Professor Emeritus of Mathematics, (9/1/66-5/31/17)

Eure, Jack D, Professor Emeritus of Marketing, (9/1/69-5/31/06)

Evans, Patricia A, Professor Emerita of English, (9/1/76-7/31/11)

Eyton, J Ronald, Professor Emeritus of Geography, 7/16/95-1/15/06)

Flaherty, Daniel J, Professor Emeritus of Accounting, (8/15/97-1/15/06)

Flammang, Robert A, Visiting Professor Emeritus of Finance and Economics, (9/1/91-5/31/07)

Ford, Ramona L, Professor Emeritus of Sociology, (9/1/79-5/31/00)

Friedman, BJ, Professor Emeritus of Family and Consumer Sciences, (9/1/85-5/31/15)

Fulmer, Gilbert E, Professor Emeritus of Philosophy, (9/1/72-8/31/15)

Galvan, Roberto Arispe, Professor Emeritus of Modern Languages, (6/1/64-7/15/83)

Garber, James F, Professor Emeritus of Anthropology, (1/16/82-8/31/19)

Garofalo, Charles P, Professor Emeritus of Political Science, (9/1/82-5/31/17)

Gordon, Jeffrey L, Professor Emeritus of Philosophy, (9/1/78-8/31/15)

Gordon, Stephen P, Professor Emeritus of Counseling, Leadership, Adult Education, and School Psychology, (9/1/93-5/31/19)

Gowens, Paul R, Professor Emeritus of Finance and Economics, (9/1/80-5/31/18)

Gratz, Robert D, Professor Emeritus of Communication Studies, (9/1/69-12/31/14)

Green, Donald C, Professor Emeritus of Respiratory Care, (9/1/65-8/31/92)

Greer, Carole, Professor Emeritus of Art and Design, (9/1/77-1/15/07)

Gross, Dalton H, Professor Emeritus of English, (9/1/66-5/31/04)

Gueras, Dean J, Professor Emeritus of Philosophy, (9/1/71-5/31/17)

Hager, H Stephen, Professor Emeritus of Music, (9/1/83-5/31/16)

Hammond, Dicky E, Professor Emeritus of Curriculum and Instruction, (7/15/80-11/30/97)

Hargett, Sheila A, Professor Emeritus of Theatre and Dance, (9/1/71-5/31/16)

Harrelson, Donald Biggerstaff, Professor Emeritus of Criminal Justice, (1/16/71-1/31/87)

Hartman, Gary A, Professor Emeritus of History, (9/1/95-8/31/18)

Herkimer, Allen G, Professor Emeritus of Health Administration, (9/1/86-5/31/96)

Hill, John S, Professor Emeritus of English, (7/13/77-8/31/08)

Hofer, Martha Kay, Professor Emeritus of Political Science, 9/1/87-5/31/12)

Humphrey, Joseph L, Professor Emeritus of Accounting, (9/1/72-7/15/09)

Hunnicutt, Garland G, Professor Emeritus of Management, (9/1/73-5/31/04)

Ingram, Angela J.C., Professor Emerita of English, (9/1/79-5/31/04)

Jager, Ronald Burke, Professor of History, (9/1/67-5/31/93)

Johnson, Maurice A, Professor Emeritus of Health and Human Performance, (9/1/73-6/30/11)

Johnston, Walter Edward, Professor Emeritus of Computer Information Systems and Quantitative Methods, (9/1/80-7/15/98)

Kalsi, Marie-Louise S, Professor Emerita of Philosophy, (1/16/85-5/31/01)

Kimmel, James R, Professor Emeritus of Geography, (1/16/91-5/31/13)

Knox, Karen S, Professor Emerita of Social Work, (9/1/95-12/31/17)

Koehn, Robert D, Professor Emeritus of Biology, (9/1/67-5/31/02)

Kolbe, William D, Professor Emeritus of Art, (7/10/64-5/31/92)

Laman, Jean B, Professor Emeritus of Art and Design, (9/1/73-5/31/11)

Laman, Jene T, Professor Emeritus of Family and Consumer Sciences, (7/16/76-5/31/14)

Laumer, Jack C, Professor Emeritus of Music, (9/1/77-5/31/18)

Lewis, Melanie C, Professor Emeritus of Biology, (9/1/77-1/15/99)

Macey, Susan M, Professor Emeritus of Geography, (9/1/88-5/31/14)

Makowski, Elizabeth M, Professor Emerita of History, (7/16/93-5/31/19)

Martin, Roy B, Professor Emeritus of Computer Information Systems and Quantitative Methods, (9/1/86-5/31/05)

Matlock, Donald T, Professor of Sociology, (9/1/68-7/31/00)

Mayo, Sandra, Professor Emeritus of Theatre and Dance, (6/1/01-1/15/18)

McCoy, Ingeborg Ruberg, Professor Emeritus of German, (9/1/70-8/31/98)

Michalk, Victor E, Professor Emeritus of Physics, (9/1/68-5/31/07)

Middlebrook, Bill J, Professor Emeritus of Management, (9/1/83-7/15/13)

Miller, Damon J, Professor Emeritus of Educational Administration and Psychological Services, (9/1/67-8/31/95)

Montondon, Lucille M, Professor Emeritus of Accounting, (9/1/89-8/31/16)

Moore, Betty J, Professor Emeritus of Curriculum and Instruction, (9/1/73-5/31/89)

Moore, Nelwyn B, Professor Emeritus of Family and Consumer Sciences, (9/1/63-5/31/00)

Morgan, George W, Professor Emeritus of Computer Information Systems and Quantitative Methods, (1/16/82-5/31/04)

Morris, Roselyn E, Professor Emeritus of Accounting, (9/1/93-8/31/16)

Murray, Tinker D, Professor Emeritus of Health and Human Performance, (9/1/84-1/15/18)

Neely, James Bert, Professor Emeritus of Music, (9/1/81-8/31/09)

Nicosia, Ralph Timothy, Professor Emeritus of Curriculum and Instruction, (9/1/71-7/15/98)

Nielsen, Erik A, Professor Emeritus of Art and Design

Ogletree, Shirley M, Professor Emeritus of Psychology, (9/1/77-7/15/17)

Oles, Henry J, Professor Emeritus of Psychology, (9/1/71-1/15/92)

Oliver, Joseph R, Professor Emeritus of Accounting, (9/1/80-5/31/04)

Olson, Marilynn S, Professor Emerita of English, (1/16/83-8/31/19)

Pankey, Robert B, Professor Emeritus of Health and Human Performance, (8/1/00-5/31/17)

Perry, Reeves B, Professor Emeritus of Chemistry and Biochemistry, (9/1/66-1/15/99)

Petersen, James Frederick, Professor Emeritus of Geography

Pierson, Michael J, Professor Emeritus of Occupational Education, (1/16/75-7/15/06)

Plotts, Cynthia A, Professor Emerita of Counseling, Leadership, Adult Education, and School Psychology, (9/1/77-12/31/18)

Raffeld, Paul C, Professor Emeritus of Psychology, (9/1/84-1/15/06)

Raiborn, Cecily A, Professor Emeritus of Accounting, (9/1/06-5/31/19)

Randolph, Robert M, Professor Emeritus of English, (9/1/85-1/15/05)

Rast, Walter, Professor Emeritus of Biology, (6/1/01-8/31/12)

Reeves-Marquardt, Dona, Professor Emeritus of Modern Languages, (9/1/61-5/31/94)

Riepe, Russell C, Professor Emeritus of Music, (9/1/72-5/31/13)

Ronan, Clifford J, Professor Emeritus of English, (9/1/72-5/31/10)

Ross-Gordon, Jovita M, Professor Emeritus of Counseling, Leadership, Adult Education, and School Psychology, (9/1/01-5/31/19)

Row, Brian G, Professor Emeritus of Art and Design, (9/1/77-1/15/14)

Rudzinski, Walter F, Professor Emeritus of Chemistry and Biochemistry, (9/1/79-1/15/15)

Ruiz, Maria Paez de, Professor Emeritus of Modern Languages, 5/10/78-1/15/98)

Rydl, Glen M, Professor Emeritus of Agriculture, (9/1/68-5/31/01)

Scribner, Alicia P, Professor Emeritus of Educational Administration and Psychological Services, (9/1/93-5/31/05)

Short, Alvin P, Professor Emeritus of Sociology, (9/1/71-5/31/99)

Singh, Sukhjit, Professor Emeritus of Mathematics, (9/1/82-1/15/13)

Sissom, Stanley L, Professor Emeritus of Biology, (9/1/67-1/15/97)

Smith, Bruce, Professor Emeritus of Journalism and Mass Communication, (4/13/00-8/31/15)

Sodders, Richard P, Professor Emeritus of Theatre and Dance, (9/1/85-5/31/17)

Spellmann, John W, Professor Emeritus of Mathematics, (7/15/80-7/31/12)

Stea, David, Professor Emeritus of Geography, (7/16/97-8/31/06)

Stephens, Elizabeth Campbell, Professor Emerita of Curriculum and Instruction, (9/1/96-8/31/11)

Stephenson, Stanley D, Professor Emeritus of Computer Information Systems and Quantitative Methods, (9/1/81-8/31/04)

Stouffer, Willard B, Professor Emeritus of Political Science, (9/1/70-5/31/12)

Stuessy, Joe, Professor Emeritus of Music, (8/1/03-8/31/07)

Stutzman, James R, Professor of Finance and Economics, (9/1/88-8/31/10)

Suckling, Philip W, Professor Emeritus of Geography, (7/1/05-5/31/15)

Sullivan, Alfred B, Professor Emeritus of Political Science, (1/15/70-1/15/12)

Summers, Jim W, Professor Emeritus of Health Administration, (9/1/88-5/31/09)

Thomas, Naymond, Professor Emeritus of Music, (9/1/87-8/31/14)

Torrejon, Ricardo M, Professor Emeritus of Mathematics, (9/1/81-5/31/18)

Trepagnier, Barbara, Professor Emerita of Sociology, (9/1/96-5/31/11)

Tuff, Donald W, Professor Emeritus of Biology, (9/1/63-5/31/98)

Wayment, Stanley G, Professor Emeritus of Mathematics, (9/1/86-5/31/12)

Weinberger, George M, Professor Emeritus of Political Science, (9/1/73-5/31/10)

Whalin, John Robert, Professor Emeritus of Music, (9/1/64-1/15/01)

Wheeler, Larry J, Professor Curriculum and Instruction, (9/1/81-8/31/16)

Whitenberg, David Calvin, Professor Emeritus of Biology, (9/1/65-7/31/93)

Williams, Sue W, Professor Emerita of Family and Consumer Sciences, (6/1/85-8/31/14)

Williamson, Bobby L, Professor Emeritus of Curriculum and Instruction, (9/1/66-5/31/93)

Willoughby, J Michael, Professor Emeritus of Counseling, Leadership, Adult Education, and School Psychology, (9/1/74-8/31/13)

Wilson, James A, Professor Emeritus of History, (9/1/70-7/15/01)

Wolverton, Byron A, Professor Emeritus of Music, (9/1/64-1/15/98)

Woolsey, Timothy D, Professor Emeritus of Music, (9/1/75-5/31/08)

Wortham, Marshall Ross, Professor Emeritus of Art and Design, (9/1/65-8/31/98)

Wright, Lloyd S, Professor Emeritus of Psychology, (9/1/74-5/31/00)

Yeary, James D, Professor Emeritus of Accounting, (9/1/74-1/15/95)

Young, Willard C, Professor Emeritus of Biology, (9/1/67-5/31/90)

Zunker, Vernon G, Professor Emeritus of Education, (9/1/68-8/31/92)

Associate Professor Emeriti (Lifetime Designation)

Abel, Burt Michael, Associate Professor Emeritus of Agriculture, (9/1/75-7/15/02)

Batey, Andy H, Associate Professor Emeritus of Engineering Technology, (7/16/85-1/31/19)

Beck, Shirley S, Associate Professor Emeritus of Curriculum and Instruction, (1/16/87-5/31/97)

Benjamin, Caroline P, Associate Professor Emeritus of Biology, (8/1/70-1/15/01)

Biedermann, Sue E, Associate Professor Emeritus of Health Information Management, (9/1/80-8/31/14)

Boone, Joy L, Associate Professor Emerita of Health Services and Research, (9/1/81-7/31/98)

Borm, Alfred Ervin, Associate Professor Emeritus of Mathematics, (1/15/65-1/31/93)

Boucher, Brenda K, Associate Professor Emerita of Physical Therapy, (6/1/08-5/31/18)

Brieger, Alton Gerhardt, Associate Professor Emeritus of History, (7/1/64-8/31/85)

Brunner, Peggy Gregory, Associate Professor Emeritus of Music, (9/1/68-5/31/01)

Byrum, David C, Associate Professor Emeritus of Curriculum and Instruction, (9/1/89-5/31/19)

Carns, Michael R, Associate Professor Emeritus of Educational Administration and Psychological Services, (6/1/85-1/15/08)

Champagne, Gerald B, Associate Professor Emeritus of Agriculture, (9/1/55-7/15/84)

Compton, Ross D, Associate Professor Emeritus of Chemistry and Biochemistry, (9/1/66-7/15/04)

Compton, Ross D, Associate Professor Emeritus of Chemistry and Biochemistry, (9/1/66-7/15/04)

Connolly, Colleen M, Associate Professor Emerita of Counseling, Leadership, Adult Education, and School Psychology, (1/16/99-5/31/14)

Davis, Barbara H, Associate Professor Emeritus of Curriculum and Instruction, (1/16/98-7/15/14)

Davis, Charles H, Associate Professor Emeritus of Quantitative Methods, (9/1/83-7/15/01)

Dunn, Margaret E, Associate Professor Emeritus of Curriculum and Instruction, (7/24/78-3/31/01)

Fitch, Suzanne P, Associate Professor Emeritus of Communication Studies, (9/1/67-1/15/98)

Fleuriet, Cathy A, Associate Professor Emeritus of Communication Studies, (9/1/87-8/31/12)

Gaddis, Marilyn T, Associate Professor Emeritus of Curriculum and Instruction, (9/1/78 - 8/31/94)

Hall, Elizabeth Ann, Associate Professor Emeritus of Curriculum and Instruction, (9/1/90-6/30/03)

Hankins, June Chase, Associate Professor Emerita of English, (9/1/84-5/31/10)

Harkins, Cade J, Associate Professor Emeritus of Respiratory Care, (9/1/83-8/31/04)

Hazlewood, Carol, Associate Professor Emerita of Computer Science, (9/1/86-8/31/11)

Helm, Raymond, Associate Professor Emeritus of Agriculture, (9/1/67-8/31/85)

Henry, William Gammon, Associate Professor Emeritus of Curriculum and Instruction, (9/1/67-5/31/90)

Hindson, Theodore T, Associate Professor Emeritus of Political Science, (1/15/74-1/15/19)

Hoffmann, Keith F, Associate Professor Emeritus of Physical Education, (9/1/63-5/31/98)

Hudiburg, Howard B, Associate Professor Emeritus of Music, (1/16/85-5/31/14)

Hughes, Billie E, Associate Professor Emeritus of Counseling and Guidance, (9/1/67-8/31/87)

Jackson, William R, Associate Professor Emeritus of Physics, (9/1/67-5/31/00)

Keeffe, Michael J, Associate Professor Emeritus of Management, (9/1/86-5/31/16)

Kostroun, Phillip W, Associate Professor Emeritus of Clinical Laboratory Science, (11/10/75-1/15/08)

Leavell, Judy A, Associate Professor Emerita of Curriculum and Instruction, (9/1/93-8/31/06)

Lee, Kathryn S, Associate Professor Emeritus of Curriculum and Instruction, (9/1/99-5/31/19)

Lien, Violetta F, Clinical Associate Professor Emeritus of Curriculum and Instruction, (9/1/00-5/31/11)

Mandeville, Thomas, Associate Professor Emeritus of Curriculum and Instruction, (9/1/91-7/15/03)

McCabe, Thomas F, Associate Professor Emeritus of Computer Science, (9/1/80-1/15/05)

McKinney, Audrey M, Associate Professor Emerita of Philosophy, (9/1/88-5/31/18)

McLaren, John A, Associate Professor Emeritus of Criminal Justice, (1/16/80-8/31/15)

Merryman, Sandra S, Associate Professor Emerita of Psychology, (9/1/70-1/31/07)

Mooney, Robert T, Associate Professor Emeritus of Health Administration, (9/1/75-7/15/12)

Ogden, Robert D, Associate Professor Emeritus of Computer Science, (9/1/83-7/15/04)

Ploeger, Kristen G, Associate Professor Emerita of Computer Information Systems and Quantitative Methods, (9/1/83-12/31/16)

Polk, James E, Associate Professor Emeritus of Music, (9/1/90-5/31/06)

Radcliffe, Richard, Associate Professor Emeritus of Curriculum and Instruction, (9/1/01-8/31/13)

Ratliff, Ernest F, Associate Professor Emeritus of Mathematics, (9/1/71-5/31/07)

Reese, Marianne, Associate Professor Emerita of Educational Administration and Psychological Services, (6/1/92-1/31/06)

Renfro, Robert Bruce, Associate Professor Emeritus of Journalism and Mass Communication, (9/1/85-5/31/06)

Resta, Virginia Kay, Associate Professor Emerita of Curriculum and Instruction, (9/1/91-7/31/16)

Ross, John K, Associate Professor Emeritus of Management, (9/1/80-7/15/12)

Sawey, Ronald M, Associate Professor Emeritus of Computer Science, (9/1/76-5/31/09)

Schmidt, Darlene H, Associate Professor Emeritus of Health, Physical Education and Recreation, (9/1/68-5/31/05)

Scholwinski, Edward J, Associate Professor Emeritus of Educational Administration and Psychological Services, (9/1/83-7/15/06)

Scott, Charlotte Robinson, Associate Professor Emeritus of Health, Physical Education and Recreation, (9/1/68-1/31/91)

Simpson, Thomas R, Associate Professor Emeritus of Biology, (9/1/89-8/31/17)

Smith, Howard G, Associate Professor Emeritus of Accounting, (9/1/86-7/15/03)

Stalnaker, Sylvia D, Associate Professor Emeritus of Family and Consumer Sciences, (1/15/73-1/15/98)

Starling, Betty Ross Jones, Associate Professor Emeritus of English, (9/1/67-1/15/94)

Thompson, Glenda Sue, Associate Professor Emeritus of Family and Consumer Sciences, (9/1/84-5/31/07)

Tijerina, Mary S, Associate Professor Emerita of Social Work, (1/16/01-1/15/14)

Treanor, Betty M, Associate Professor Emeritus of Family and Consumer Sciences, (9/1/80-5/31/04)

Upchurch, Marian L, Associate Professor Emeritus of Health Services and Research, (9/1/78-7/31/01)

Watson, Dwight D, Associate Professor Emeritus of History, (7/16/99-8/31/17)

Williams, Tommy C, Associate Professor Emeritus of Art and Design, (9/1/70-5/31/06)

Windham, Billy L, Associate Professor Emeritus of Technology, (9/1/63-5/31/99)

Wood, Juli I, Associate Professor Emeritus of Music, (9/1/02-8/31/13)

Assistant Professor Emeriti (Lifetime Designation)

Archer, Benjamin Francis, Assistant Professor Emeritus of English, (9/1/57-7/31/93)

Borchers, Ralph E, Assistant Professor Emeritus of Art and Design, (9/1/87-1/15/06)

Braffett, Max, Assistant Professor Emeritus of English, (9/1/62-5/31/97)

Evans, Kenneth A, Assistant Professor Emeritus of Mathematics, (9/1/67-8/31/96)

Farr, Gerald G, Assistant Professor Emeritus of Biology, (9/1/69-8/31/14)

Goldsmith, James M, Assistant Professor Emeritus of Technology, (2/1/73-5/31/97)

Granato, Nancy O, Assistant Professor Emerita of Family and Consumer Sciences, (9/1/83-7/15/09)

Hastedt, Laura W, Assistant Professor Emeritus of Computer Information Systems and Administrative Sciences, (9/1/57-1/15/85)

Henson, Verna, Assistant Professor Emerita of Criminal Justice, (7/16/94-1/15/13)

Heudier, Jean-Pierre, Assistant Professor Emeritus of Modern Languages, (9/10/72-5/31/96)

Lee, Daniel H, Assistant Professor Emeritus of Mathematics, (9/1/67-5/31/06)

McCall, Carolyn A, Assistant Professor Emeritus of Curriculum and Instruction, (6/1/74-5/31/12)

McDonald, Vernon Shinn, Assistant Professor Emeritus of Health, Physical Education, and Recreation, (9/1/53-5/31/88)

Reeh, Albert F, Assistant Professor Emeritus of Health, Physical Education and Recreation, (9/1/60-5/31/91)

Stein, Marlowe Robin, Assistant Professor Emeritus of Music, (8/1/98-5/31/14)

Thompson, Robert B, Assistant Professor Emeritus of English, (9/1/70-5/31/99)

Tolbert, Evelyn Osman, Assistant Professor Emerita of English, (9/1/70-5/31/93)

Trinidad, Jose, Assistant Professor Emeritus of Finance and Economics, (9/1/94-7/15/13)

Webb, Frances M, Assistant Professor Emeritus of Music, (6/1/69-5/31/06)

Instructor Emeriti (Lifetime Designation)

Barrett, Patricia Ann, Instructor Emeritus of Physical Education, (9/1/71-7/15/98)

Kinlund, Neal W, Instructor Emeritus of Health, Physical Education, and Recreation, (9/1/73-7/30/06)

McGee, Thomas, Instructor of Counseling Center/Guidance Counseling, (9/1/71-8/31/86)

Shrader, Robert, Instructor Emeritus of Mass Communication, (9/1/77-8/31/01)

Tucker, Kenneth W, Instructor Emeritus of Curriculum and Instruction, (9/1/75-6/30/04)

Retired Faculty (Lifetime Designation)

Alfau, Antonio de Jesus, Lecturer of Modern Languages, (1/16/08-7/31/10)

Anderson, Mary A, Senior Lecturer of Curriculum and Instruction, (9/1/99-5/31/13)

Arledge, Jane A, Lecturer of Mathematics, (9/1/1-5/31/18)

Armentrout, Dede, Senior Lecturer of Biology, (8/1/02-5/31/08)

Atchison, Alan C, Senior Lecturer of History, (9/1/96-5/31/16)

Augustin, Harriet M, Lecturer of Management, (9/1/79-5/31/05)

Barclay, Stephen L, Lecturer of Computer Information Systems and Quantitative Methods, (9/1/88-5/31/04)

Beebe, Susan J, Senior Lecturer of English, (7/16/93-5/31/14)

Belchic, Albert M, Assistant Professor of Health Administration, (1/16/75-1/31/90)

Benavides, Ida M, Senior Lecturer, World Languages and Literature, (9/4/07-5/31/19)

Bishop, Janice P, Senior Lecturer of Theatre and Dance, (9/1/91-5/31/14)

Blanco, R Ivan, Clinical Assistant Professor of Management, (9/1/04-5/31/15)

Bos, Beth, Associate Professor Curriculum and Instruction, (7/16/07-12/31/16)

Bosworth, Anthony B, Senior Lecturer of Biology, (9/1/08-5/31/11)

Braud, Beverley M, Senior Lecturer of English, (9/1/83-5/31/17)

Brice, Clare C, Instructor of Physical Education, (9/1/86-1/31/05)

Brown, Claudia Shroyer, Senior Lecturer of Psychology, (9/1/02-12/31/12)

Cancino, Jeffrey M, Associate Professor of Criminal Justice, (6/1/05-4/30/16)

Carpenter, David N, Senior Lecturer of Psychology, (1/16/91-5/31/14)

Cohen, Robin E, Senior Lecturer of English, (9/1/86-5/31/17)

Coleman, Margaret C, Lecturer of Curriculum and Instruction, (9/1/03-5/31/07)

Copeland, Thomas W, Lecturer of Theatre and Dance, 9/1/05-5/31/18)

Corley, Alton L, Lecturer of Music, (9/1/08-7/31/17)

Cornett, Michael, Senior Lecturer of Communication Studies, (9/1/04-5/31/17)

Covington, Barbara G, Associate Professor of Nursing, (6/1/08-5/31/19)

Crawford, Priscilla Ann, Senior Lecturer of Curriculum and Instruction, (7/16/98-5/31/15)

Critchfield-Jones, Nancy, Lecturer of Communication Studies, (9/1/86-5/31/05)

Curtin, Patsy J, Senior Lecturer of Curriculum and Instruction, (9/1/94-5/31/13)

Davis, Jean F, Senior Lecturer of Mathematics, (1/16/84-5/31/15)

De la Colina, Maria G, Associate Professor of Curriculum and Instruction, (8/25/03-1/15/15)

Dean, Nathaniel, Professor of Mathematics, (9/1/16-12/31/16)

Denton, Patricia L, Clinical Professor of History, (1/16/08-8/31/19)

Doescher, Russell L, Senior Lecturer of Physics, (9/1/88-5/31/16)

Dombroski, Maria Leonor, Senior Lecturer of Curriculum and Instruction, (9/1/00-5/31/12)

Dorrycott, Joyce W, Lecturer of Political Science, (9/1/77-5/31/94)

Drobeck, Bruce, Senior Lecturer of Family and Consumer Sciences, (9/1/10-5/31/16)

DuPont, Ann M, Senior Lecturer of Family and Consumer Sciences, (7/16/08-7/31/16)

Eixmann, Yvonne, Lecturer of Management, (11/1/96-7/15/18)

Eure, Diane M, Senior Lecturer of Accounting, (9/1/05-5/31/17)

Fields, Tina T, Associate Professor of Health Administration, (1/16/08-5/31/15)

Fink, Cary M, Associate Professor of Music, (6/1/88-5/31/16)

Fleming, Patricia A, Senior Lecturer of Music, (9/1/02-5/31/06)

Flint, Mary Jo, Lecturer of Curriculum and Instruction, (7/1/15-6/30/19)

Friedman, Stan, Senior Lecturer of Psychology, (9/1/87-5/31/15)

Garcia, John L, Associate Professor of Counseling, Leadership, Adult Education, and School Psychology, (1/20/92-8/31/13)

Garstka, John E, Associate Professor of Family and Consumer Sciences, (1/1/82-8/31/05)

Gibbons-Arhelger, Marilyn, Lecturer of Psychology, (11/26/01-1/15/19)

Grimes, Melissa J, Lecturer of Art and Design, (9/1/98-1/15/12)

Haddix, F Furman, Assistant Professor of Computer Science, (9/1/00-8/31/07)

Hanson, Susan K, Senior Lecturer of English, (9/1/85-1/15/18)

Harkins, Betty L, Senior Lecturer of Occupational, Workforce and Leadership Studies, (10/26/92-5/31/15)

Henton, David V, Clinical Assistant Professor of Social Work, (1/16/95-12/31/15)

Hermsmeier, Glen E, Senior Lecturer of Mathematics, (1/16/96-1/15/12)

Herring, Lawrence H, Senior Lecturer of Management, (1/16/96-8/31/17)

Hickman, Ada, Lecturer of Curriculum and Instruction, (6/1/90-8/31/02)

Hickman, Elmer J, Assistant Professor of Accounting, (9/1/78-8/31/93)

Hickman, Lois M, Senior Lecturer of Sociology, (8/16/98-5/31/19)

Hindson, Irene L, Lecturer of History, (9/1/85-5/31/19)

Horne, Francis R, Professor of Biology, (9/1/67-8/31/17)

Huston, Michael, Professor of Biology, (9/1/03-1/15/17)

Inbody, Donald S, Senior Lecturer of Political Science, (9/1/08-5/31/19)

Ingram, Ralph M, Senior Lecturer of History, (1/16/92-1/15/13)

James, Randall S, Lecturer of Finance and Economics, (9/1/12-1/15/18)

Jennings, John Jay, Senior Lecturer of Theatre and Dance, (9/1/82-5/31/19)

Jiang, Zhonghong, Professor of Mathematics, (7/16/07-5/31/17)

Johannessen, Bertha Gloria, Professor of Curriculum and Instruction, (8/1/09-1/15/16)

Johnson, Charles M, Associate Professor of Health Services Research, (8/16/76-1/15/06)

Johnson, Herbert E, Lecturer of Finance and Economics, (1/1/82-5/31/84)

Johnson, Marion A, Lecturer of Health, Physical Education, and Recreation, (9/1/82-5/31/06)

Jolley, Patricia D, Senior Lecturer of Family and Consumer Sciences, (9/1/16-1/15-19)

Joseph, Dennis G, Associate Professor of Curriculum and Instruction, (9/1/87-8/31/18)

Khouri, Yvonne George, Associate Professor of Health Administration, (1/16/78-1/15/01)

Knox, Martha E, Associate Professor of Health Services Research, (9/1/77-8/31/05)

Kopecky, Helen P, Lecturer of Finance and Economics, (8/1/81-5/31/85)

Krabbenhoft, Eloiese, Senior Lecturer of Art and Design, (9/1/03-5/31/16)

Labay, JoAnn, Senior Lecturer of English, (9/1/88-5/31/15)

Latson, Harvey H, Senior Lecturer of Heath, Physical Education, and Recreation, (6/1/01-5/31/08)

Lawrence, Thomas L, Senior Lecturer of Physics, (1/16/03-5/31/09)

Lopes, Vicente, Professor of Biology, (1/16/05-5/31/19)

Lopez, Dora P, Clinical Lecturer of Radiation Therapy, (1/16/01-6/4/18)

Lugones, Nestor A, Assistant Professor of Modern Languages, (9/1/00-7/15/05)

Lund, Merrie E, Senior Lecturer of Mathematics, (9/1/05-8/31/19)

Mallard, Arch R, Professor of Communication Disorders, (8/29/79-8/31/06)

Mann, Robert, Senior Lecturer of Journalism and Mass Communication, (1/16/05-5/31/10)

Margerison, Patricia S, Senior Lecturer of English, (9/1/84-7/31/11)

Martin, Gordon E, Professor Emeritus of Curriculum and Instruction, (1/1/81-1/15/16)

Martinez, Pablo, Associate Professor of Criminal Justice, (9/1/02-8/31/14)

McCabe, Diann A, Senior Lecturer of Honors, (9/1/91-8/31/17)

McGhee, Marla W, Associate Professor of Educational Administration and Psychological Services, (1/16/99-1/15/08)

Melbye, Floyd Jerome, Professor of Anthropology, (9/1/04-8/31/09)

Michell, Monica A, Senior Lecturer of Theatre and Dance, (9/1/89-7/31/15)

Miley, Sharon C, Senior Lecturer of Sociology, (9/1/90-5/31/10)

Milhomme, Albert J, Professor of Marketing, (9/1/93-8/31/06)

Moini, Mehdi, Senior Lecturer of Chemistry and Biochemistry, (11/1/08-6/30/10)

Moreau, John A, Senior Lecturer of Health and Human Performance, (1/16/83-5/31/14)

Moreita, Joan, Senior Lecturer of Curriculum and Instruction, (1/16/04-5/31/18)

Morrison, Eileen, Professor of Health Administration, (9/1/04-5/31/19)

Murphy, Maxwell C, Lecturer of Criminal Justice, (1/16/88-5/31/95)

Nankervis, Bryan, Senior Lecturer of Mathematics, (9/1/04-5/31/19)

Noble, Dorinda N, Professor of Social Work, (8/1/01-5/31/16)

Noone, John B, Assistant Professor of Health Administration, (8/23/76-7/31/94)

Nugent, Gerard P, Lecturer of Computer Information Systems and Quantitative Methods, (1/16/14-5/31/17)

O'Kelley, Erin M, Clinical Assistant Professor of Health, Physical Education, and Recreation, (6/1/01-1/31/09)

Pankey, T Jill, Senior Lecturer of Art and Design, (9/1/02-3/31/17)

Pape, Dianne R, Senior Lecturer of Curriculum and Instruction, (9/1/84-5/31/18)

Parent, Patricia C, Senior Lecturer of Political Science, (9/1/84-1/15/18)

Patschke, Ronald B, Lecturer of Mathematics, (9/1/04-5/31/15)

Payne, Dennis T, Lecturer of Communication Studies, (7/16/06-5/31/18)

Perro, Jo Ann M, Senior Lecturer of Modern Languages, (9/1/99-5/31/13)

Perry, Robert C, Lecturer of Modern Languages, (9/1/79-8/31/95)

Petray, Thomas Earl, Lecturer of Curriculum and Instruction, (9/1/13-5/31/13)

Pevoto, Barbara, Associate Professor of Occupational Education, (8/1/99-7/15/07)

Pohl, Patsy R, Senior Lecturer of English, (9/1/79-7/15/09)

Prabhakaran, Thoniot T, Senior Lecturer of Biology, (9/1/88-5/31/17)

Pritzker, Burton, Senior Lecturer of Art and Design, (1/16/05-5/31/17)

Pulver, Robert E, Assistant Professor of Mass Communication, (9/1/88-5/31/94)

Rahe, Charles Hardin, Professor Emeritus of Agriculture, (12/1/98-1/15/15)

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Roaten, Gail K, Associate Professor of Counseling, Leadership, Adult Education, and School Psychology, (9/1/06-8/31/13)

Ross, Sherry A, Senior Lecturer of Accounting, (1/16/00-5/31/13)

Rowe, Scott L, Senior Lecturer of Engineering Technology, (9/1/84-1/15/17)

Russell, Elizabeth M, Clinical Assistant Professor of Family and Consumer Sciences, (8/25/03-8/31/15)

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Seidman, Stephen B, Professor of Computer Science and Dean of the College of Science and Engineering, (8/1/09-5/31/15)

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Stein, Richard, Senior Lecturer of Mathematics, (9/1/98-8/31/13)

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Stouder, Nial Eugene, Professor of Physics, (2/15/99-2/28/06)

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M.H.A. Major in Healthcare Administration (Thesis Option) 1918

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